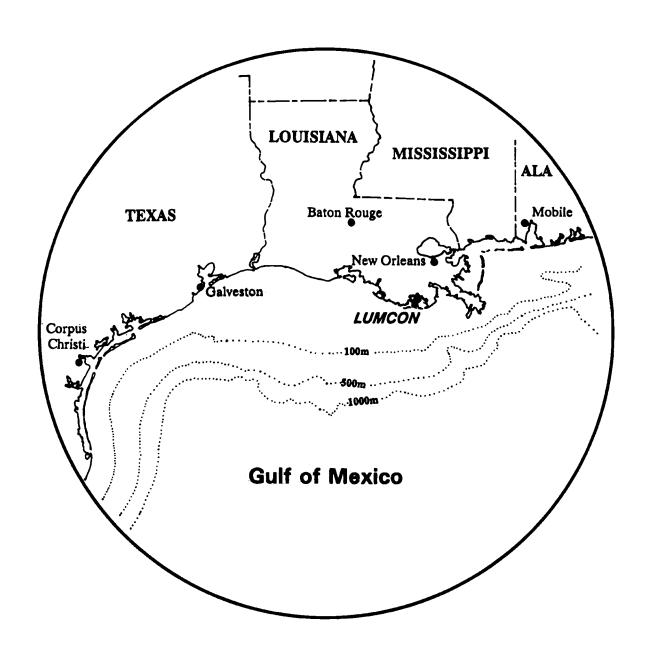


University Research Initiative

Effects of Offshore Oil and Gas Development: A Current Awareness Bibliography







University Research Initiative

Effects of Offshore Oil and Gas Development: A Current Awareness Bibliography

Edited by

Sue Ann Lewandowski Louisiana Universities Marine Consortium

December 1994

Prepared under MMS Contract 14-35-0001-30470 by Louisiana Universities Marine Consortium 8124 Highway 56 Chauvin, Louisiana 70344

Published by

U.S. Department of the Interior Minerals Management Service Gulf of Mexico OCS Region

Disclaimer

This research was supported by the Minerals Management Service, U. S. Department of the Interior, under MMS Agreement No. 14-35-0001-30470. The views and conclusions are those of the authors and do not necessarily represent the official policies, either expressed or implied, of the U. S. Government. The bibliography was compiled by Sue Ann Lewandowski, Librarian at the Marine Center of the Louisiana Universities Marine Consortium, and published at the LUMCON Office of Special Programs, Baton Rouge, Louisiana. This report has been reviewed for technical accuracy. It is, however, exempt from Minerals Management Service editorial review. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

Report Availability

Extra copies of the bibliography may be obtained from the Public Information Unit at the following address:

US Department of the Interior Minerals Management Service Gulf of Mexico OCS Regional Office Public Information Unit (MS 5034) 1201 Elmwood Park Boulevard New Orleans, LA 70123-2519 504-736-2519

Cited items may or may not be available at the LUMCON Library. For information, contact:

LUMCON Library 8124 Highway 56 Chauvin, LA 70344-2124 504-851-2875 504-851-2874 (FAX)

Citation

Suggested citation:

Lewandowski, S. A.; (Ed.) Effects of offshore oil and gas development: a current awareness bibliography, compilation. New Orleans, LA: U. S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region. 1994. 153 p.

Preface

Effects of offshore oil and gas development: a current awareness bibliography was created as part of the LUMCON-MMS University Research Initiative (URI) in 1990 with the aim of providing current awareness in all aspects of the URI. Nineteen quarterly issues were prepared from January 1990 to July 1994 that contain ~2,830 citations.

The bibliography evolved from 1990 to 1994 in response to increased demand and MMS's changing needs. Initially, there were no subject divisions and circulation was relatively limited. Eventually, the bibliography was sent quarterly to nearly 300 patrons who have direct ties to or interest in the Minerals Management Service and coastal marine issues.

Denise Landry, LUMCON Librarian, compiled the first three issues of the bibliography. Ms. Landry's successor as LUMCON Librarian, Jacqueline Riley, prepared the October 1990 through January 1993 issues. Sue Ann Lewandowski, Ms. Riley's successor, prepared the April 1993 through October 1994 issues and has edited the cumulative bibliography.

The bibliography was compiled at the Louisiana Universities Marine Consortium Marine Center Library (LUMCON Library) in *Pro-Cite* format on an IBM-compatible PC and uploaded to *Microsoft Word for Windows* for editing. The quarterly issues were formatted, photocopied, and mailed-out from the LUMCON Office of Special Programs in Baton Rouge, LA.

Contained in the following bibliography are citations from approximately the past ten years with most citations covering 1988-1994.

The citations are arranged by <u>main entry</u> which is <u>author</u>, if known, and <u>title</u> if there is no acknowledged author or if the author's name was unavailable to the bibliographer. Corporate author citations were used whenever appropriate. The title main entry citations are listed at the beginning of each of the four sections followed by the author main entry citations.

The bibliography is alphabetized in an order represented by the example in Table 1.

Table 1. Example of Alphabetization. (The first few words of hypothetical citations are listed.)

1 tanker	LAB Laboratories	Nednor, G.
la becomes the	LaBrea, L.	The next phase
96 sites	MacAllister, T.	Norton, J. C.
Abernathy, C.	McMahon, S.	A novel plan
Al-Ahmed, M.	MacPherson, A. J.	US Congress. Director
Albanny, P. K.	Manuel, A. T.	US Congress. Personnel
Al-Sharif, B.	Manuel, A. T. D.	US Congress, Office of
Axon Corporation	Manuel, J.	USA all the way
Bertram, D. J. M.	NAF database is	United Industries says
Bertram-Xavier, A.	NETCO cited in	
La Link, O.	Nash, C. S.	

Information that appears in square brackets, [], in a citation is tentatively correct. As much information as was available was included.

The majority of citations are to journal articles, books, book chapters, conference proceedings and papers in conference proceedings. A few audio-visual and electronic works are cited and their format is indicated, though the citations are not divided into sections by format.

The broad subject areas covered in the bibliography are biology/chemistry/geochemistry, engineering/physics/environment, general/spills/environment and socioeconomics/regulation.

There is an appendix containing a list of International Standard Serial Numbers (ISSNs) and CODENs for selected references. These number are often useful when searching for sources on a bibliographic database.

Table of Contents

Preface	V		
Acknowledgements	. ix		
Biology/Chemistry/Geochemistry	1		
Engineering/Physics/Geology	. 51		
General/Spills/Environment	. 85		
Socioeconomics/Regulation	124		
Appendix	149		
List of Tables			

Table 1. Example of Alphabetization vi

Acknowledgments

Thanks are due to Denise Landry and Jacqueline Riley for compilation and editing. Gratefully acknowledged also are Shanna Bonvillain, LUMCON Library Assistant; Dr. Donald Boesch, LUMCON Executive Director until 1991; Jennifer Lo, Director of the LUMCON Office of Special Programs (OSP) until 1993; Marion Fannaly, current Director of the LUMCON OSP; Jill Stevens, Harvey Landry, Rebecca East and Mary Blake of the LUMCON OSP; Dr. Robert Rogers and everyone at the Minerals Management Service who supported this project; Rick Cripe of the US Environmental Protection Agency for consultation; all of the patrons who have received the bibliography and all who responded to the user questionnaire.

- Bacteria make a meal of oil slicks. *New Scientist*. September 22, 1990; 127(1735): 32.
- Baseline: distribution of oil-degrading bacteria in the northwest Arabian Gulf. *Marine Pollution Bulletin*. January 1990; 21(1): 38-40.
- A bench-scale assessment of nutrient concentration required to optimize hydrocarbon degradation and prevent clogging in fully saturated aerobic sands. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- A critical evaluation of the fume plate method for the enumeration of bacteria capable of growth on volatile hydrocarbons. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Effect of salinity, oil type, and incubation temperature on oil degradation. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Effects of offshore petroleum operations on cold water marine mammals: a literature review. 1989.
- Gulf slick a free lunch for bacteria. *Science*. 1990; 249(4965): 120.
- Marine Pollution and Sea Life: FAO Technical
 Conference on Marine Pollution and Its Effects
 on Living Resources and Fishing: Rome (Italy).
 West Byfleet: Fishing News (Books) for the
 Food and Agriculture Organization of the
 United Nations; 1972. 624 p.
- Microorganisms adaption for oil-originated substances treatment. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- New products: antibody system for detecting PAHs. Marine Pollution Bulletin. October 1993; 26(10): 585.

- New products: porous plastic removes waterborne hydrocarbon contaminants. *Marine Pollution Bulletin*. June 1994; 28(6): 401.
- New species of chemosynthetic critters in Gulf of Mexico. *Ocean Science News*. May 31, 1990; 32(15): 1-2.
- Oil water separation, February 1971-September 1989: citations from the US Patent Database, report for February 1971-September 1989. Springfield, VA: National Technical Information Service; November 1989, 92 p.
- Petroleum in the deep sea environment: potential for damage to biota. 1980; PB81-141095.
- The physiology of polycyclic aromatic hydrocarbon biodegradation by the white-rot fungus Bjerkandera sp. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994, 512 p.
- Population trends of pelagic comorants and glaucous-winged gulls nesting on the west coast of Vancouver Island. The Ecology, Status and Conservation of Marine and Shoreline Birds on the West Coast of Vancouver Island; April 8, 1991; Sidney, British Columbia, Canada.
 Ottawa, Ontario, Canada: Canadian Wildlife Service; 1992: 60-64. (Occasional Papers of the Canadian Wildlife Service; v. 75). ISBN: 0662200047.
- Published search: bioindicators of marine pollution. Springfield, VA: NTIS; [1992]; PB92-853365CBY. Note: Citations from Oceanic Abstracts.
- Sensor detects soil contaminants. *Battelle Today*. March 1990; (62): 8.
- Soundings: weathered diesel more toxic to marine plants says new study. *Sea Technology*. May 1993; 34(5): 9.
- Abdulhadi, B. O. A.; Mohammad, A. A. Inorganic and organic pollutant measurements at the Kuwait Waterfront Project. *Water, Air and Soil Pollution*. August 1993; 69(3-4): 301-308.

- Ackman, R. G.; Heras, H. Tainting by short-term exposure of Atlantic salmon to water soluble petroleum hydrocarbons. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 757-762. ISBN: 0662590503.
- Acree, W. E. Partitioning of polycyclic aromatic hydrocarbons to marine porewater organic colloids: comment. *Environmental Science and Technology*. April 1993; 27(4): 757-758.
- Adams, N. J. Patterns and impacts of oiling of African penguins *Spheniscus demersus*: 1981-1991. *Biological Conservation*. 1994; 68(1): 35-41.
- Addison, R. F.; Willis, D. E.; Zinck, M. E. Liver microsomal mono-oxygenase induction in winter flounder (*Pseudopleuronectes americanus*) from a gradient of sediment PAH concentrations at Sydney Harbour, Nova Scotia. *Marine Environmental Research*. 1994; 37: 283-296.
- Adler, N.; Koprivanac, N.; Kuiper, J.; van den Brink, W. J.; (Eds.) Weathering of mineral oil in marine environment. Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987. Amsterdam, The Netherlands: International Association on Water Pollution Research and Control (IAWPRC); 1987.
- Ajao, E. A.; Fagade, S. O. A study of the sediments and communities in Lagos Lagoon, Nigeria. *Oil and Chemical Pollution*. 1990; 7(2): 85-117.
- Akintonwa, A.; Ebere, A. G. Toxicity of Nigerian crude oil and chemical dispersants to *Barbus* sp. and *Clarian* sp. *Bulletin of Environmental Contamination and Toxicology*. 1990; 45(5): 729-733.
- Akpan, V.; Lodovici, M.; Dolara, P. Polycyclic aromatic hydrocarbons in fresh and smoked fish samples from three Nigerian cities. Bulletin of Environmental Contamination and Toxicology. 1994; 53: 246-253.
- Al-Arfaj, Abdulrahman A.; Alam, Ibrahim A. Chemical characterization of sediments from the Gulf area after the 1991 oil spill. *Marine Pollution Bulletin*. 1993; 27: 97-101.

- Alexander, S. K.; Schwarz, J. R. Short-term effects of south Louisiana and Kuwait crude oils on glucose utilization by marine bacterial populations. *Applied and Environmental Microbiology*. August 1980; 40(2).
- Al-Ghadban, A. N.; Jacob, P. G.; Abdali, F. Total organic carbon in the sediments in the Arabian Gulf and need for biological productivity investigations. *Marine Pollution Bulletin*. June 1994; 28(6): 356-362.
- Allen, M. J.; Cowen, R. K.; de Wit, L. A.; Kauwling, T. J.; Love, M. S. Annotated Bibliography: Fisheries Species and Oil/Gas Platforms, Offshore California. Costa Mesa, CA: MBC Applied Environmental Sciences; February 1987.
- Alloway, B. J.; Ayres, D. C. Chemical Principles of Environmental Pollution. Blackie Academic and Professional; [1993]. 296 p.
- Al-Mudaffar, N.; Fawzi, I. N. O. Hydrocarbons in surface sediments and bivalves from Shatt Al-Arab and its rivers. *Oil and Chemical Pollution*. 1990; 7(1): 17-28.
- Al-Saad, H. T. Distribution and sources of aliphatic hydrocarbons in fish from the Arabian Gulf. *Marine Pollution Bulletin*. 1990; 21(3): 155-157.
- Al-Saad, H. T.; Al-Timari, A. Sources of hydrocarbons and fatty acids in sediment from Hor Al-Hammar Marsh, Shatt Al-Arab and northwest Arabian Gulf. *Marine Pollution Bulletin*. October 1993; 26(10): 559-564.
- Al-Thukair, A. Environmental status of algal mat sites located at the east coast of Saudi Arabia following the Gulf War. *Journal of Phycology*. 1993; 29(3, Suppl.): 22. Note: Abstract only.
- Al-Thukair, A.; Al-Hinai, K.. Preliminary damage assessment of algal mats sites located in the western Gulf following the 1991 oil spill.

 Marine Pollution Bulletin. 1993; 27: 229-238.
- Alvarez-Legorreta, T.; Gold-Bouchot, G.; Zapata-Pérez, O.. Hydrocarbon concentrations in sediments and clams (*Rangia cuneata*) in Laguna de Pom, Mexico. *Bulletin of Environmental Contamination and Toxicology*. January 1994; 52(1): 39-45.

- Al-Wadae, A. E. J.; Raveendran, E. Determination of petroleum hydrocarbons in sediment, fish and air following the Gulf crisis in 1991. *Environmental Technology*. 1993; 14(7): 673-679.
- Al-Yakoob, S. N.; Saeed, T.; Alhashash, H. Polycyclic aromatic hydrocarbons in fish: exposure assessment for Kuwaiti consumers after the Gulf oil spill of 1991. *Environment International*. 1994; 20(2): 221-227.
- Al-Yakoob, S.; Saeed, T.; Al-Hashash, H.. Polycyclic aromatic hydrocarbons in edible tissue of fish from the Gulf after the 1991 oil spill. *Marine Pollution Bulletin*. 1993; 27: 297-301.
- Al-Yamani, F. Y.; Al-Rifaie, K.; Ismail, W. Postspill zooplankton distribution in the NW Gulf. *Marine Pollution Bulletin*. 1993; 27: 239-243.
- Ames, J. Impetus for capturing, cleaning, and rehabilitating oiled or potentially oiled sea otters after the T/V Exxon Valdez spill. US Fish and Wildlife Service Biological Report. 1990; 90(12): 137-141.
- Ames, N. P.; Hartley, R. D.; Akin, D. E.; Wilson, J. R.; Harbers, L. M.; Reffner, J. A. Distribution of aromatic compounds in coastal bermudagrass cell walls using ultraviolet absorption scanning microspectrophotometry. *Food Structure*. 1992; 11(1): 25-32.
- Amodiococchieri, R.; Delprete, U.; Arnese, A.; Giuliano, M.; Roncioni, A. Heavy metals and polycyclic aromatic hydrocarbons (PAHs) in marine organisms from the Ionian Sea (Italy). Bulletin of Environmental Contamination and Toxicology. April 1993; 50(4): 618-625.
- Amund, O. O.; Akangbou, T. S. Microbial degradation of four Nigerian crude oils in an estuarine microcosm. *Letters in Applied Microbiology*. March 1993; 16(3): 118-121.
- Anderson, L. M. Persistent toxicity associated with bioaccumulated polyhalogenated hydrocarbons in fish, rodents and primates. *Environmental Toxicology and Chemistry*. 1991; 10(6): 705-706.
- Andres, B. A. Effects of the Exxon *Valdez* oil spill on black oystercatchers. *Pacific Seabird Group Bulletin*. 1993; 20(1): 44-45. Note: Abstract only.

- Antai, S. P.; Mgbomo, E. Distribution of hydrocarbon-utilizing bacteria in oil-spill areas. *Microbios Letters*. 1989; 40(159/160): 137-144
- Ariese, F.; Kok, S. J.; Verkaik, M.; Gooijer, C.; Velthorst, N. H.; Hofstraat, J. W. Synchronous fluorescence spectrometry of fish bile: a rapid screening method for the biomonitoring of PAH exposure. *Aquatic Toxicology*. August 1993; 26(3-4): 273-286.
- Armanios, C.; Alexander, R.; Kagi, R. I. High diahopane and neohopane abundances in a biodegraded crude oil from the Barrow subbasin of western Australia. *Organic Geochemistry*. September 1992; 18(5): 641-645.
- Armenante, P. M.; Pal, N.; Lewandowski, G. Role of mycelium and extracellular protein in the biodegradation of 2,4,6-trichlorophenol by phanerochaete *Chrysosporium*. *Applied and Environmental Microbiology*. June 1994; 60(6): 1,711-1,718.
- Aronstein, B. N.; Calvillo, Y. M.; Alexander, M. Effect of surfactants at low concentrations on the desorption and biodegradation of sorbed aromatic compounds in soil. *Environmental Science and Technology*. October 1991; 25(10): 1,728-1,731.
- Atchison, G. J. Effects of metals on fish behavior: a review. *Environmental Biology of Fishes*. 1987; 18(1): 11-25.
- Aure, J.; Rey, F. Oceanographic conditions in the Sandsfjord System, western Norway, after a bloom of the toxic prymnesiophyte *Prymnesium parvum* Carter in August 1990. *Sarsia*. 1992; 76(4): 247-254.
- Avent, R. M. Northern Gulf of Mexico hydrocarbon seep communities: implications to the petroleum industry. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Awad, H. Toxicity assessment of crude oils: a methodological view. *Toxicological and Environmental Chemistry*. 1991; 31-2: 315-320.

- Badawy, M. I.; Al-Harthy, F.. Hydrocarbons in seawater, sediment, and oyster from the Omani coastal waters. *Bulletin of Environmental Contamination and Toxicology*. 1991; 47(3): 386-391.
- Badawy, M. I.; Al-Mujainy, I. S.; Hernandez, M. D. Petroleum-derived hydrocarbons in water, sediment and biota from the Mina al Fahal coastal waters. *Marine Pollution Bulletin*. August 1993; 26(8): 457-460.
- Badawy, M. I.; Hernandez, M. D.; Al-Harthy, F. T. Sources of pollution at Mina al Fahal coastal area. *Bulletin of Environmental Contamination and Toxicology*. December 1992; 49(6): 813-820.
- Baker, R. J.; Baehr, A. L. Use of column studies in conjunction with a gas-transport model to determine gasoline-hydrocarbon degradation rates in unsaturated sandy porous media. *Eos.* April 7, 1992; 73(14, Suppl.): 115.
- Balci, Ahmet. Dissolved and dispersed petroleum hydrocarbons in the eastern Aegean Sea. *Marine Pollution Bulletin*. April 1993; 26(4): 222-223.
- Baldwin, J. D.; Pillai, M. C.; Cherr, G. Response of embryos of the sea urchin *Strongylocentrotus* purpuratus to aqueous petroleum waste includes the expression of a high molecular weight glycoprotein. *Marine Biology*. 1992; 114(1): 21-30.
- Barakat, A. O.; Rullkotter, J. Gas chromatographic/mass spectrometric analysis of cembrenoid diterpenes in kerogen from a lacustrine sediment. *Organic Mass Spectrometry*. March 1993; 28(3): 157-162.
- Baviere, M.; Bazin, B.; Mileo, J. C. Physicochemical properties of sulfonated fatty acid esters for oil recovery by surfactant flooding. *Colloids and Surfaces*. 1991; 52: 3-4.
- Bayha, K.; Kormendy, J.; (Eds.) Sea Otter Symposium: Workshops on Capture, Facilities, Husbandry, Veterinary Procedures and Release; April 17-19, 1990; Anchorage, Alaska. 1990; Workshop 1: Capture: 438-442. (US Fish and Wildlife Service Biological Reports).

- Bayha, K.; Kormendy, J.; (Eds.) Sea Otter
 Symposium: Workshops on Capture, Facilities,
 Husbandry, Veterinary Procedures and
 Release; April 17-19, 1990; Anchorage,
 Alaska. 1990; Workshop 2: Facilities: 443-446.
 (US Fish and Wildlife Service Biological
 Reports).
- Bayha, K.; Kormendy, J.; (Eds.) Sea Otter Symposium: Workshops on Capture, Facilities, Husbandry, Veterinary Procedures and Release; April 17-19, 1990; Anchorage, Alaska. 1990; Workshop 4: Veterinary Procedure: 454-456. (US Fish and Wildlife Service Biological Reports).
- Bayha, K.; Kormendy, J.; (Eds.) Sea Otter Symposium: Workshops on Capture, Facilities, Husbandry, Veterinary Procedures and Release; April 17-19, 1990; Anchorage, Alaska. 1990; Workshop 5: Release: 457-465. (US Fish and Wildlife Service Biological Reports).
- Bayha, K.; Kormendy, J.; (Eds.) Sea Otter Symposium: Proceedings of a Symposium to Evaluate the Response Effort on Behalf of Sea Otters After the T/V Exxon Valdez Oil Spill into Prince William Sound; April 17-19, 1990; Anchorage, Alaska. 1990; I-X. 485 p. (US Fish and Wildlife Service Biological Report; v. 12).
- Bedair, H. M.; Al-Saad, H. T. Dissolved and particulate-adsorbed hydrocarbons in the waters of Shatt Al-Arab River, Iraq. *Water, Air and Soil Pollution*. February 1992; 61(3-4): 397-408.
- Beebe, L. E.; Fox, S. D.; Issaq, H. J.; Anderson, L. M. Biological and biochemical effects of retained polyhalogenated hydrocarbons. *Environmental Toxicology and Chemistry*. 1991; 10(6): 757-763.
- Beeder, J.; Nilsen, R. K.; Rosnes, J. T.; Torsvik, T.; Lien, T. Archaeoglobus fulgidus isolated from hot North Sea oil field waters. Applied and Environmental Microbiology. April 1994; 60(4): 1,227-1,231.
- Benner, Jr., B. A.; Bryner, N. P.; Wise, S. A.; Mulholland, G. W.; Lao, R. C.; Fingas, M. F. Polycyclic aromatic hydrocarbon emissions from the combustion of crude oil on water. *Environmental Science and Technology*. 1990; 24(9): 1418-1427.

- Berkman, P. A.; Nigro, M. Trace metal concentrations in scallops around Antarctica: extending the Mussel Watch Programme to the Southern Ocean. *Marine Pollution Bulletin*. June 1992; 24(6): 322-323.
- Bertrand, J. C.; Bianchi, M.; Al Mallah, M.; Acquaviva, M.; Mille, G. Hydrocarbon biodegradation and hydrocarbonoclastic bacterial communities composition grown in seawater as a function of sodium chloride concentration. *Journal of Experimental Marine Biology and Ecology*. 1993; 168(1): 125-138.
- Beyer, J.; Goksøyr, A.. Cytochrome P-450 observations in Gulf fish. *Marine Pollution Bulletin*. 1993; 27: 293-296.
- Bhat, K. L.; Wagh, A. B. Biochemical composition of zooplankton of Bombay High (oil platform) area in the Arabian Sea. *Indian Journal of Marine Sciences*. 1992; 21(3): 220-223.
- Bin, L.; Giuhai, Z.; Shilong, Z.; Jian, X.; Jianzhong, S. Geochemical characteristics of hydrocarbon compounds in the Hangzhou Bay. *Acta Oceanologica Sinica*. 1993; 12(1): 115-132.
- Bishop, C. A.; Brooks, R. J.; Carey, J. H.; Ng, P.; Norstrom, R. J.; Lean, D. R. S. The case for a cause-effect linkage between environmental contamination and development in eggs of the common snapping turtle (*Chelydras serpentina*) from Ontario, Canada. *Journal of Toxicology and Environmental Health*. 1991; 33(4): 521-547.
- Bjorseth, A.; Dennis, A.; (Eds.) Proceedings of International Polynuclear Aromatic Hydrocarbon Symposia, PAH-IV: Polynuclear Aromatic Hydrocarbons, Chemistry and Biological Effects. Columbus, OH: Battelle Press; 1980. 1,125 p.
- Black, J. J.; Baumann, P. C. Carcinogens and cancers in freshwater fishes. *Environmental Health Perspectives*. January 1991; 90: 27-33.
- Blanc, P.; Connan, J. Origin and occurrence of 25norhopanes: a statistical study. *Organic Geochemistry*. November 1992; 18(6): 813-828.

- Blum, D. J. W.; Speece, R. E. A database of chemical toxicity to environmental bacteria and its use in interspecies comparisons and correlations. *Research Journal of Water Pollution and Control Federation*. 1991; 63(3): 198-207.
- Blust, R.; Kockelbergh, E.; Baillieul, M. Effect of salinity on the uptake of cadmium by the brine shrimp *Artemia franciscana*. *Marine Ecology Progress Series*. August 1992; 84(3): 245-254.
- Bodek, I. (Ed.) Environmental Inorganic Chemistry: Properties, Processes, and Estimation Methods. New York: Pergamon; 1988. 1280 p.
- Bodin, P. Perturbations in the reproduction cycle of some harpacticoid copepod species further to the Amoco *Cadiz* oil spill. *Hydrobiologia*. 1991; 209(3): 245-257.
- Bodzek, D.; Luksbetlej, K.; Warzecha, L.

 Determination of particle-associated polycyclic aromatic hydrocarbons in ambient air samples from the Upper Silesia region of Poland.

 Atmospheric Environment, Part A: General Topics. April 1993; 27(5): 759-764.
- Boehm, P.; LeBlanc, L.; Trefry, J.; Marajh-Whittemore, P.; Brown, J. Monitoring hydrocarbons and trace metals in Beaufort Sea sediments and organisms, final report. October 1, 1990; ADL-REF-63716: OCS Study MMS 90-0054. 263 p.
- Boehm, P. D.; Freitas, S. T.; Crecelius, E. A.; Hillman, R. E.; Payne, J. Patterns and relationships of trace organic and metal distributions in bivalves and sediments from the Pacific and Atlantic coasts. *Journal of Shellfish Research*. 1988; 7: 1. Special issue: 1988 Annual Meeting of the National Shellfisheries Association; summary only.
- Boehm, P. D.; Schlautman, M. A.; Morgan, J. J. Correspondence: comment on 'Effects of aqueous chemistry on the binding of polycyclic aromatic hydrocarbons by dissolved humic materials'. *Environmental Science and Technology*. February 1994; 28(2): 366-367.

- Boehm, P. D.; Steinhauer, M. S. The Beaufort Sea Monitoring Program: analysis of trace metals and hydrocarbons from outer continental shelf (OCS) activities. Arctic Information Transfer Conference; November 17-20, 1987; Anchorage, Alaska. US Department of the Interior, Minerals Management Service; [1988]; 5: 53.
- Boelter, A. M.; Lamming, F. N.; Farag, A. M.; Bergman, H. L. Environmental effects of saline oil-field discharges on surface waters. *Environmental Toxicology and Chemistry*. August 1992; 11(8): 1,187-1,195.
- Böer, B. Anomalous pneumatophores and adventitious roots of Avicennia marina
 (Forssk.) Vierh. mangroves two years after the 1991 Gulf War oil spill in Saudi Arabia.
 Marine Pollution Bulletin. 1993; 27: 207-211.
- Boesch, D. F.; Rabalais, N. N. Analysis of impacts: produced waters in sensitive coastal habitats, central coastal Gulf of Mexico. Metairie, LA: US Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office; June 1989; OCS Study MMS 89-0031. 171 p.
- Bokn, T. L.; Moy, F. E.; Murray, S. N. Long-term effects of the water-accommodated fraction (WAF) of diesel oil on rocky shore populations maintained in experimental mesocosms. *Botanica Marina*. 1993; 36(4): 313-319.
- Bolze, D. A.; Lee, M. B. Offshore oil and gas development: implications for wildlife in Alaska. *Marine Policy*. July 1989; 13(3): 231(18).
- Bonin, P.; Rambeloarisoa Ranaivoson, E.; Raymond, N.; Chalamet, A.; Bertrand, J. C. Evidence for denitrification in marine sediment highly contaminated by petroleum products. *Marine Pollution Bulletin*. February 1994; 28(2): 89-95.
- Bonsdorff, E.; Bakke, T.; Pedersen, A. Colonization of amphipods and polychaetes to sediments experimentally exposed to ... *Marine Pollution Bulletin*. 1990; 21(7): 335-358.

- Borgmann, U.; Whittle, D. M. Contaminant concentration trends in Lake Ontario lake trout (Salvelinus namaycush): 1977 to 1988. Journal of Great Lakes Research. 1991; 17(3): 368-381.
- Borowsky, B.; Aitken-Ander, P.; Tanacredi, J. T. The effects of low doses of waste crankcase oil on *Melita nitida* Smith (Crustacea, Amphipoda). *Journal of Experimental Marine Biology and Ecology*, 1993; 166(1): 39-46.
- Bouloubassi, I.; Saliot, A. Dissolved, particulate and sedimentary naturally derived polycyclic aromatic hydrocarbons in a coastal environment: geochemical significance. *Marine Chemistry*. April 1993; 42(2): 127-143.
- Bouloubassi, I.; Saliot, A. Investigation of anthropogenic and natural organic inputs in estuarine sediments using hydrocarbon markers (NAH, LAB, PAH). *Oceanologica Acta*. 1993; 16(2): 145-161.
- Bowman, T. D. Effects of the Exxon *Valdez* oil spill on bald eagles. *Journal of Raptor Research*. 1993; 27(1): 64-65. Note: Abstract only.
- Braginsky, L. P.; Komarovsky, F. Y. Ecotoxicological studies on the Kilian Branch and delta of the river Danube. *Water Science and Technology*, 1990; 22(5): 35-38.
- Brandelli, A.; Baldasso, M. L.; Goettems, E. P. Toxicity identification and reduction evaluation in petrochemical effluents: SITEL case. *Water Science and Technology*. 1992; 25(3): 73-84.
- Brandvik, P. J.; Moldestad, M. O.; Daling, P. S. Laboratory testing of dispersants under Arctic conditions. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 123-134. ISBN: 0662590503.
- Branica, M.; Konrad, Z.; (Eds.) Lead in the Marine Environment: Proceedings of the International Experts Discussion; October 1977; Rovinj, Yugoslavia. New York: Pergamon; 1980. 353 p.

- Breteler, R. J.; Buhl, R. L.; Maki, A. W. The effect of dissolved hydrogen sulfide and carbon dioxide on short-term photosynthesis of *Skeletonema costatum*, a marine diatom. *In*: Gorusch, J. W.; *et al.*; (Eds.) [ASTM] Symposium; April 23-24, 1990; San Francisco, CA. Philadelphia, PA: American Society for Testing Materials; 1991; 2: Plants for Toxicity Assessment: 118-125. vii, 401 p. (Special Technical Publications. v. 1115). ISBN: 0803114222.
- Bridges, T. S.; Levin, L. A.; Cabrera, D.; Plaia, G. Effects of sediment amended with sewage, algae, or hydrocarbons on growth and reproduction in two opportunistic polychaetes. *Journal of Experimental Marine Biology and Ecology*. April 8, 1994; 177(1): 99-119.
- Britton, R. L.; Benz, C. T.; Foster, J. J. Sea otter capture along the Kenai Peninsula. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 70-77.
- Broman, D.; Naf, C.; Rolff, C.; Zebuhr, Y.
 Occurrence and dynamics of polychlorinated dibenzo-para-dioxins and dibenzofurans and polycyclic aromatic hydrocarbons in the mixed surface layer of remote coastal and offshore waters of the Baltic. *Environmental Science and Technology*. November 1991; 25(11): 1,850-1,864.
- Broman, D.; Naf, C.; Wik, M.; Renberg, I. The importance of spheroidal carbonaceous particles SCPS for the distribution of particulate polycyclic aromatic hydrocarbons PAHs in an estuarine-like urban coastal water area. *Chemosphere*. 1990; 21(1-2): 69-78.
- Brooks, J. M. GBNEP Project summary: toxic contaminant characterization of aquatic organisms in Galveston Bay, a pilot study. *Galveston Bay, Bay Line*. March 1993; 6-7.
- Brown, R. P.; Cristini, A.; Cooper, K. R.
 Histopathological alterations in *Mya arenaria*following a No. 2 fuel oil spill in the Arthur
 Kill, Elizabeth, New Jersey. *Marine*Environmental Research. 1992; 34(1-4): 65-68.
- Brueggeman, J. Walrus response to offshore drilling operations. *Journal of the Acoustics Society of America*. 1993; 94(3, pt. 2): 1,828.

- Bruns, K.; Dahlmann, G.; Gunkel, W. Marine petroleum hydrocarbon degrading bacteria: distribution and activity in the North Sea and Baltic Sea. *Kieler Meeresforschungen*. 1991; 8: 46-54. Special issue: Proceedings of the Fourth European Marine Microbiology Symposium; October 8-12, 1990; Kiel, Ostseebad Damp, Germany.
- Bull, A. S. Fish assemblages at oil and gas platforms, compared to natural hard/live bottom areas in the Gulf of Mexico. Coastal Zone '89: Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989. New York: ASCE; 1989; 1: 979-987.
- Burgeot, T.; Bocquene, G.; Truquet, P.; Le Dean, L.; Galgani, F. Induction of EROD activity in red mullet (*Mullus barbatus*) along the French Mediterranean coasts. *Science of the Total Environment*. March 15, 1994; 142(3): 213-220.
- Burgeot, T.; Bocquene, G.; Truquet, P.; Le Dean L.; Poulard, J. C.; Dorel, D.; Souplet, A.; Galgani, F. The dragonet *Callionymus lyra*, a target species used for evaluation of biological effects of chemical contaminants on French coasts.

 Marine Ecology Progress Series. 1993; 97(3): 309-316.
- Burger, A. E. The effects of oil pollution on seabirds off the west coast of Vancouver Island. The Ecology, Status and Conservation of Marine and Shoreline Birds on the West Coast of Vancouver Island; April 8, 1991; Sidney, British Columbia, Canada. Ottawa, Ontario, Canada: Canadian Wildlife Service; 1992: 120-128. (Occasional Papers of the Canadian Wildlife Service. v. 75). ISBN: 0662200047.
- Burger, A. E. Estimating the mortality of seabirds following oil spills: effects of spill volume. *Marine Pollution Bulletin*. March 1993; 26(3): 140-143.
- Burger, J.; Brzorad, J.; Gochfeld, M. Effects of an oil spill on emergence and mortality in fiddler crabs *Uca pugnax*. *Environmental Monitoring and Assessment*. August 1992; 22(2): 107-115.
- Burger, J.; Brzorad, J.; Gochfeld, M. Immediate effects of an oil spill on behavior of fiddler crabs (*Uca pugnax*). Archives of Environmental Contamination and Toxicology. 1991; 20(3): 404-409.

- Burger, J.; Gochfeld, M. Effects of washing fiddler crabs (*Uca pugnax*) following an oil spill. *Environmental Pollution*. 1992; 77(1): 15-22.
- Burgess, R. M. The relative influence of oildevelopment related disturbance and environmental factors on activity budgets of brood-rearing snow geese at Hoew, Alaska. North American Arctic Goose Conference Workshop. 1992; 7: 35. Note: Abstract only.
- Burns, K. A.; Ehrhardt, M. G. Organic and trace metal contaminants in sediments, seawater and organisms. *Journal of Experimental Marine Biology and Ecology*, 1990; 138(1,2): 9-34.
- Burns, K. A.; Ehrhardt, M. G.; Howes, B. L.; Taylor, C. D. Subtidal benthic community respiration and production near the heavily oiled Gulf coast of Saudi Arabia. *Marine Pollution Bulletin.* 1993; 27: 199-205.
- Burns, K. A.; Garrity, S. D.; Jorissen, D.; MacPherson, J.; Stoelting, M.; Tierney, J.; Yelle-Simmons, L. The *Galeta* oil spill .II. Unexpected persistence of oil trapped in mangrove sediments. *Estuarine, Coastal and Shelf Science*. April 1994; 38(4): 349-364.
- Burns, K. A.; Garrity, S. D.; Levings, S. C. How many years until mangrove ecosystems recover from catastrophic oil spills? *Marine Pollution Bulletin*. May 1993; 26(5): 239-248.
- Burns, K. A.; Knap, A. H. The *Bahia las Minas* oil spill: hydrocarbon uptake by reef building corals. *Marine Pollution Bulletin*. August 1989; 20(8): 391.
- Burns, K. A.; Yelle-Simmons, L. The *Galeta* oil spill .IV. Relationship between sediment and organism hydrocarbon loads. *Estuarine*, *Coastal and Shelf Science*. April 1994; 38(4): 397-412.
- Burton, G. A. Assessing the toxicity of freshwater sediments. *Environmental Toxicology and Chemistry*. 1991; 10(12): 1,585-1,627.
- Butler, E. L.; Douglas, G. S.; Steinhauer, W. G.;
 Prince, R. C.; Aczel, T.; Hsu, C. S.; Bronson,
 M. T.; Clark, J. R.; Lindstrom, J. E. Hopane, a new chemical tool for measuring oil biodegradation. *On-Site Bioreclamation*. 1991; 515-521.

- Bye, J. A. T.; Harbison, I. P. Transfer of inland salts to the marine environment at the head of Spencer Gulf, South Australia; salt lakes, evaporites and aeolian deposits. (SLEADS) Conference: Palaeogeography, Palaeoclimatology and Palaeoecology; August 8-16, 1988; Arkaroola, South Australia. 84: 1-4
- Byrne, C. Effects of the water-soluble fractions of No. 2 fuel oil on the cytokinesis of the quahog clam *Mercenaria mercenaria*. *Bulletin of Environmental Contamination and Toxicology*. 1989; 42(1): 81-86.
- Cahet, G.; Delille, D. La notion de bloom bacterien: effets des hydrocarbures sur la croissance des microflores bacteriennes antarctiques [The concept of bacterial bloom: effects of crude oil on the growth of Antarctic bacterial microflora]. *Oceanus*. 1992; 18(5): 569-577.
- Cairns, Jr., J.; (Ed.) *Multispecies Toxicity Testing*. New York: Pergamon; 1985. 278 p.
- Cajaraville, M. P.; Marigomez, J. A.; Angulo, E. Comparative effects of the water accommodated fraction of three oils on mussels .1. Survival, growth and gonad development. *Comparative Biochemistry and Physiology, C.* May 1992; 102(1): 103-112.
- Cajaraville, M. P.; Marigomez, J. A.; Diez, G.; Angulo, E. Comparative effects of the water accommodated fraction of three oils on mussels .2. Quantitative alterations in the structure of the digestive tubules. *Comparative Biochemistry and Physiology, C.* May 1992; 102(1): 113-123.
- Calabrese, E. J.; Kostecki, P. T.; (Eds.) Principles and Practices for Petroleum Contaminated Soils. Boca Raton, FL: Lewis Publishers; 1993. 672 p. ISBN: 087371394X.
- Camel, V.; Tambute, A.; Caude, M. Analytical-scale supercritical fluid extraction: a promising technique for the determination of pollutants in environmental matrices. *Journal of Chromatography*, A. July 16, 1993; 642(1-2): 263-281.
- Canton, L.; Grimalt, J. O. Distributions of rivertransported halogenated biphenyls and terphenyls in coastal environments. *Chemosphere*. 1991; 23(3): 327-341.

- Cao, X.-L.; Hewitt, C. N. Study of the degradation by ozone of adsorbents and of hydrocarbons adsorbed during the passive sampling of air. *Environmental Science and Technology*. 1994; 28(5): 757-762.
- Capone, D. G.; Bauer, J. E. Microbial processes in coastal pollution. *Environmental Microbiology*. 1992: 191-237.
- Carey, A. G. Ecology of North-American Arctic continental shelf benthos: a review. *Continental Shelf Research*. August 1991; 11(8-10): 865-883.
- Caricchia, A. M.; Chiavarini, S.; Cremisini, C.; Martini, F.; Morabito, R. PAHs, PCBs, and DDE in the northern Adriatic Sea. *Marine Pollution Bulletin*. October 1993; 26(10): 581-583.
- Carls, M. G.; Rice, S. D. Abnormal development and growth reductions of pollock *Theragra* chalcogramma. Fishery Bulletin. 1990; 88(1): 29-37.
- Carls, M. G.; Rice, S. D. Environmental factors affecting benthic infaunal communities of the western Arab. *Marine Environmental Research*, 1990: 29(4): 289-315.
- Carter, J.; Ernst, R. Tainting in sea scallops (Placopecten magellanieus) exposed to the water-soluble fraction of crude oil and natural gas condensate. Proceedings of the Twelfth Arctic and Marine Oil Spill Program, Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada, Technology Development and Technical Services Branch; 1989.
- Casillas, E.; Weber, D.; Haley, C.; Sol, S.
 Comparison of growth and mortality in juvenile sand dollars (*Dendraster excentricus*) as indicators of contaminated marine sediments. *Environmental Toxicology and Chemistry*.
 1992; 11(4): 559-569.
- Castello, G.; Gerbino, T. C. Analysis of polycyclic aromatic hydrocarbons with an ion-trap mass detector and comparison with other gas chromatographic and high-performance liquid chromatographic techniques. *Journal of Chromatography, A.* July 16, 1993; 642(1-2): 351-357.

- Caumette, P.; Baulaigue, R.; Matheron, R. Hydrocarbon utilization by higher marine fungi from diverse habitats and localities. *Mycologia*. 1991; 83(2): 227-230.
- Cedeno, G.; Gamboa, B. R.; Bonilla, J. R. Presence of hydrocarbons and tarballs on the coast of Anzoategui State, Venezuela. *Boletim do Instituto Oceanografico*. 1986; 25(1/2): 241-246.
- Celander, M.; Näf, C.; Broman, D.; Förlin, L. Temporal aspects of induction of hepatic cytochrome P-450 1A and conjugating enzymes in the viviparous blenny (*Zoarces viviparous*) treated with petroleum hydrocarbons. *Aquatic Toxicology*. 1994; 29: 183-196.
- Chaudhry, G. R.; Chapalamadugu, S. Biodegradation of halogenated organic compounds. *Microbiology Rev[iews]*. March 1991; 55(1): 59-79.
- Chen, C.; Huang, J.; Wu, X. Effects of low concentration of fuel oil Nos. 0 and 20 accommodated in intertidal water on growth of marine phytoplankton. *Marine Science Bulletin Haiyang Tongbao*. 1992; 11(2): 32-38.
- Chernova, T. G. Hydrocarbon associations in the Black Sea ecosystem. *Okeanologiya* (Moscow). February 1993; 33(1): 79-85. Note: In Russian.
- Chin, Y. P.; Gschwend, P. M. Partitioning of polycyclic aromatic hydrocarbons to marine porewater organic colloids: reply. *Environmental Science and Technology*. April 1993; 27(4): 759-760.
- Chin, Y.-P.; Gschwend, P. M. Partitioning of polycyclic aromatic hydrocarbons to marine porewater organic colloids. *Environmental Science and Technology*. 1992; 26(8): 1,621-1,626.
- Clarke, P. J.; Ward, T. J. The response of southern hemisphere saltmarsh plants and gastropods to experimental contamination by petroleum hydrocarbons. *Journal of Experimental Marine Biology and Ecology*. January 17, 1994; 175(1): 43-57.

- Clement, R. E.; Tosine, H. M.; Taguchi, V.; Musial, C. J.; Uthe, J. F. Investigation of American lobster, *Homarus americanus*, for the presence of chlorinated dibenzo-p-dioxins and dibenzofurans. *Bulletin of Environmental Contamination and Toxicology*, 1987; 39(6).
- Cocchieri, R. A.; Arnese, A.; Minicucci, A. M. Reports: polycyclic aromatic hydrocarbons in marine organisms from Italian central Mediterranean coasts. *Marine Pollution Bulletin*. January 1990; 21(1): 15-18.
- Cohen, Y.; Kress, N.; Hornung, H. Organic and trace metal pollution in the sediments of the Kishon River (Israel) and possible influence on the marine environment. *Water Science and Technology*. 1993; 27(7-8): 439-447.
- Colborn, T. Epidemiology of Great Lakes bald eagles. *Journal of Toxicology and Environmental Health*. 1991; 33(4): 395-453.
- Coler, R. A.; Rockwood, J. P. Water Pollution Biology: A Laboratory/Field Handbook. Lancaster, PA: Technomic Publishing; 1989. 120 p.
- Coles, S. L.; McCain, J. C. Environmental factors affecting benthic infaunal communities of the western Arab. *Marine Environmental Research*. 1990; 29(4): 289-315.
- Collier, T. K.; Varanasi, U. Hepatic activities of xenobiotic metabolizing enzymes and biliary levels of xenobiotics in English sole (*Parophrys vetulus*) exposed to environmental contaminants. *Archives of Environmental Contamination and Toxicology*. May 1991; 20(4): 462-473. Special issue: International Symposium on the Responses of Marine Organisms to Pollutants; April 1989; Plymouth, England, UK.
- Collins, C. M.; Racine, C. H.; Walsh, M. E. The physical, chemical, and biological effects of crude oil spills after fifteen years on a black spruce forest, interior Alaska. *Arctic*. June 1994; 47(2): 164-175.
- Conlan, K. E. Amphipod crustaceans and environmental disturbance: a review. *Journal of Natural History*. May 1994; 28(3): 519-554.

- Cooke, M.; Dennis, A.; (Eds.) Proceedings of International Polynuclear Aromatic Hydrocarbon Symposia, PAH-V: Polynuclear Aromatic Hydrocarbons, Chemical Analysis and Biological Fate. Columbus, OH: Battelle Press; 1981. 800 p.
- Cooke, M.; Dennis, A.; (Eds.) Proceedings of International Polynuclear Aromatic Hydrocarbon Symposia, PAH-VII: Polynuclear Aromatic Hydrocarbons, Formation, Metabolism and Measurement. Columbus, OH: Battelle Press; 1983. 1,344 p.
- Cooke, M.; Dennis, A.; (Eds.) Proceedings of International Polynuclear Aromatic Hydrocarbon Symposia, PAH-VIII: Polynuclear Aromatic Hydrocarbons, Mechanisms, Methods and Metabolism. Columbus, OH: Battelle Press; 1984. 1,464 p.
- Cooke, M.; Dennis, A.; (Eds.) Proceedings of International Polynuclear Aromatic Hydrocarbon Symposia, PAH-IX: Polynuclear Aromatic Hydrocarbons, Chemistry, Characterization and Carcinogenesis. Columbus, OH: Battelle Press; 1986, 1,088 p.
- Cooke, M.; Dennis, A.; Fisher, G.; (Eds.)

 Proceedings of International Polynuclear

 Aromatic Hydrocarbon Symposia, PAH-VI:

 Polynuclear Aromatic Hydrocarbons, Physical

 and Biological Chemistry. Columbus, OH:

 Battelle Press; 1982. 938 p.
- Cooke, M.; Loening, K.; Merritt, J.; (Eds.)

 Proceedings of International Polynuclear

 Aromatic Hydrocarbon Symposia, PAH-XI:

 Polynuclear Aromatic Hydrocarbons,

 Measurements, Means, and Metabolism.

 Columbus, OH: Battelle Press; 1990. 1,220 p.
- Corapcioglu, M. Y. Modeling plant uptake and biodegradation of semi-volatile hydrocarbon compounds. *Water Science and Technology*. 1992; 26(7-8): 1651-1658.
- Correa, M.; Garcia, H. I. Physiological responses of juvenile white mullet, *Mugil curema*, exposed to benzene. *Bulletin of Environmental Contamination and Toxicology*. 1990; 44(3): 428-434.
- Costanzo, D.; McKenzie, B. Wildlife response on the Alaskan north slope. *Wildlife Journal*. 1991; 14(3): 15-19.

- Cozzarelli, I. M.; Baedecker, M. J.; Eganhouse, R. P.; Goerlitz, D. F. The geochemical evolution of low-molecular-weight organic acids derived from the degradation of petroleum contaminants in groundwater. *Geochimica et Cosmochimica Acta*. 1994; 58(2): 863-877.
- Cranford, P. J.; Gordon, D. C. Chronic sublethal impact of mineral oil-based drilling mud cuttings on adult sea scallops. *Marine Pollution Bulletin*. July 1991; 22(7).
- Cripps, G. C. Baseline levels of hydrocarbons in seawater of the Southern Ocean: natural variability and regional patterns. *Marine Pollution Bulletin*. February 1992; 24(2): 109-114.
- Cripps, G. C. The extent of hydrocarbon contamination in the marine environment from a research station in the Antarctic. *Marine Pollution Bulletin*. 1992; 25(9-12): 288-292.
- Cripps, G. C. Natural and anthropogenic hydrocarbons in the Antarctic marine environment. *Marine Pollution Bulletin*. 1992; 25(9-12): 266-273.
- Cripps, G. C. Problems in the identification of anthropogenic hydrocarbons against natural background levels in the Antarctic. *Antarctic Science*. 1989; 1(4).
- Cripps, G. C.; Priddle, J. Hydrocarbons in the Antarctic marine environment. *Antarctic Science*. September 1991; 3(3): 233-250.
- Cross, J. N.; Hardy, J. T. Southern California coastal water research project: contaminant concentrations and toxicity of sea-surface microlayer near Los Angeles, California.

 Marine Environmental Research. 1987; 23(4): 307-323.
- Crunkilton, R. L.; Duchrow, R. M. Impact of a massive crude oil spill on the invertebrate fauna of a Missouri Ozar. *Environmental Pollution*. 1990; 63(1): 13-31.
- Culik, B. M.; Wilson, R. P.; Woakes, A. T.; Sanudo, F. W. Oil pollution of Antarctic penguins; effects on energy metabolism and physiology. *Marine Pollution Bulletin*. August 1991; 22(8): 388-391.

- Culver, S. J. Benthic foraminifera of Puerto Rican mangrove-lagoon systems: potential for paleoenvironmental interpretations. *Palaois* (USA). February 1990; 5(1).
- Daan, R.; van het Groenewoud, H.; de Jong, S. A.; Mulder, M. Physico-chemical and biological features of a drilling site in the North Sea, one year after discharges of oil-contaminated drill cuttings. *Marine Ecology Progress Series*. December 31, 1992; 91(1-3): 37-45.
- Dahl, J.; Moldowan, J. M.; McCaffrey, M. A.; Lipton, P. A. A new class of natural products revealed by 3 beta-alkyl steranes in petroleum. *Nature*. January 9, 1992; 355(6356): 154-157.
- Dahlmann, G.; Timm, D.; Averback, Chr; Camphuysen, C.; Skovs, H.; Durinck, J. Oiled seabirds: comparative investigations on oiled seabirds and oiled beaches in the Netherlands, Denmark and Germany (1990-93). *Marine Pollution Bulletin*. May 1994; 28(5): 305-310.
- Daling, P. S. Characterization of crude oils for environmental purposes. *Oil and Chemical Pollution*. 1991; 7(3): 199-224.
- Daniels, C. B.; Means, J. C. Assessment of the genotoxicity of produced water discharges associated with oil and gas production using a fish embryo and larval test. *Marine Environmental Research*. 1989; 28(1-4): 303-308. Special issue: Fifth International Symposium on Responses of Marine Organisms to Pollutants; April 12-14, 1989; Plymouth, England, UK.
- Dauvin, J.-C.; Gentil, F. Conditions of the Peracarid populations of subtidal communities in northern Brittany, France ten years after the Amoco *Cadiz* oil spill. *Marine Pollution Bulletin*. March 1990; 21(3): 123-130.
- Davenport, R.; Spacie, A. Acute phototoxicity of harbor and tributary sediments from Lower Lake Michigan, USA. *Journal of Great Lakes Research*. 1991; 17(1): 51-56.
- Davis, R. W.; Styers, J. History of the sea otter rehabilitation centers. *US Fish and Wildlife Service Biological Report*. 1990; 90(12): 142-157.

- Davison, W.; Franklin, C. E.; McKenzie, J. C.; Carey, P. W. The effects of chronic exposure to the water soluble fraction of fuel oil on an Antarctic fish *Pagothenia borchgrevinki*. *Comparative Biochemistry and Physiology, C.* 1993; 104(1): 67-70.
- De Jesus-Navarete, A. Concentracion de hidrocarburos totales en los sedimentos de la Sonda de Campeche, Mexico [Concentration of hydrocarbons in the sediment of Campeche Sound, Mexico]. *Caribbean Journal of Science*. 1993; 29(1-2): 99-105.
- De Jong, S. A. Preliminary results on dose-effect relationships of thermally treated, oil-containing drilled cuttings in boxcosms.

 Proceedings of the First International

 Conference on Health, Safety and Environment in Oil and Gas Exploration and Production.

 Richardson, TX: Society of Petroleum

 Engineers of AIME; 1991; 2.
- De Kock, A. C.; Lord, D. A. Predicting the fate and effects of chlorinated hydrocarbons in a coastal marine system: southeast Indian Ocean.

 International Journal of Environmental Analytical Chemistry, 1989; 36(3): 133-138.
- De Vogelaere, A. P.; Foster, M. S. Damage and recovery in intertidal *Fucus gardneri* assemblages following the Exxon *Valdez* oil spill. *Marine Ecology Progress Series*. April 7, 1994; 106(3): 263-271.
- Degange, A. R.; Lensink, C. J. Distribution, age, and sex composition of sea otter carcasses recovered during the response to the T/V Exxon *Valdez* oil spill. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 124-129.
- Deguise, S.; Lagace, A.; Beland, P. Tumors in St. Lawrence beluga whales (*Delphinapterus leucas*). *Veterinary Pathology*. July 1994; 31(4): 444-449.
- Dekker, R.; (Ed.) Effects of different oil doses, dispersant and dispersed oil on macrofauna in model tidal flat ecosystems. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 117-131.

- den Besten, P. J.; Maas, J. R.; Livingstone, D. R.;
 Zandee, D. I.; Voogt, P. A. Interference of
 benzo<a>pyrene with cytochrome P-450mediated steroid metabolism in pyloric caeca
 microsomes of the sea star Asterias rubens L.
 Comparative Biochemistry and Physiology, C.
 1991; 100C(1-2). Special issue: Annual
 Conference of the European Society for
 Comparative Physiology and Biochemistry.
- Dermott, R. M. Deformities in larval *Procladius* spp. and dominant chironomini from the St. Clair River. *Hydrobiologia*. July 26, 1991; 219: 171-185.
- Derocher, A. E.; Stirling, I. Oil contamination of polar bears. *Polar Record*. 1991; 27(160): 56-57.
- Dethier, M. N. Effects of an oil spill and freeze event on intertidal community structure in Washington: final report. US Department of the Interior, Minerals Management Service, Pacific OCS Region; 1991; OCS Study MMS 91-0002.
- Devi, S. P.; Sawant, S. S.; Wagh, A. B. Corrosion of mild steel, copper and brass in crude oil seawater mixture. *Indian Journal of Marine Sciences*. June 1992; 21(2): 146-148.
- Devoogt, P.; Vanhattum, B.; Leonards, P.; Klamer, J. C.; Govers, H. Bioconcentration of polycyclic heteroaromatic hydrocarbons in the guppy (*Poecilia reticulata*). *Aquatic Toxicology*. September 1991; 20(3): 169-194.
- Dewhurst, D. A.; McCarthy, J. H. Delayed breeding phenology and resultant productivity of common and thick-billed murres at Puale Bay, Alaska, following the Exxon *Valdez* oil spill. *Pacific Seabird Group Bulletin*. 1993; 20(1): 46-47.
- Diaz, R. J.; Hansson, L. J.; Rosenberg, R.; Gapcynski, P. C.; Unger, M. A. Rapid sedimentological and biological assessment of hydrocarbon contaminated sediments. *Water*, *Air and Soil Pollution*. February 1993; 66(3-4): 251-266.

- Dicks, B.; (Ed.) Oil and the mangroves of the northern Red Sea. Kuiper, J.; van den Brink,
 W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987;
 Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 187-200.
- Dickson, K. L.; Maki, A. W.; Brungs, W. A. Fate and Effects of Sediment-Bound Chemicals in Aquatic Systems. New York: Pergamon; 1987. 473 p.
- Din, Z. B.; Abu, A. B. Toxicity of produced water from crude oil terminals to *Photobacterium* phosphoreum, Chaetoceros sp., and Donax faba. Bulletin of Environmental Contamination and Toxicology. March 1993; 50(3): 413-416.
- Ditoro, D. M.; Zarba, C. S.; Hansen, D. J.; Berry, W. J.; Swartz, R. C.; Cowan, C. E.; Pavlou, S. P.; Allen, H. E.; Thomas, N. A.; Paquin, P. R. Technical basis for establishing sediment quality criteria for nonionic organic chemicals using equilibrium partitioning. *Environmental Toxicology and Chemistry*. 1991; 10(12): 1,541-1,583.
- Donkin, P.; Widdows, J.; Evans, S. V.; Brinsley, M. D. QSARs for the sublethal responses of marine mussels (*Mytilus edulis*). Science of the Total Environment. December 1991; 109-110: 461-476.
- Downing, N.; Roberts, C. Has the Gulf War affected coral reefs of the northwestern Gulf? *Marine Pollution Bulletin*, 1993; 27: 149-156.
- Drugov, Y. S. Review: gas chromatography in the monitoring of environmental pollution. *Industrial Laboratory*. March 1993; 59(3): 243-255.
- Duffy, L. K.; Bowyer, R. T.; Testa, J. W.; Faro, J. B. Chronic effects of the Exxon *Valdez* oil spill on blood and enzyme chemistry of river otters. *Environmental Toxicology and Chemistry*. April 1994; 13(4): 643-647.
- Duffy, L. K.; Bowyer, R. T.; Testa, J. W.; Faro, J. B. Evidence for recovery of body mass and haptoglobin values of river otters following the Exxon *Valdez* oil spill. *Journal of Wildlife Diseases*. July 1994; 30(3): 421-425.

- Duffy, L. K.; Bowyer, R. T.; Testa, J. W.; Faro, J. B. Differences in blood haptoglobin and lengthmass relationships in river otters (*Lutra canadensis*) from oiled and nonoiled areas of Prince William Sound, Alaska. *Journal of Wildlife Diseases*. 1993; 29(2): 353-359.
- Duineveld, G. C. A.; Kunitzer, A.; Niermann, U.; Dewilde, P. A. W. J.; Gray, J. S. The macrobenthos of the North Sea. *Netherlands Journal of Sea Research*. November 1991; 28(1-2): 53-65.
- Dunier, M.; Siwicki, A. K. Effects of pesticides and other organic pollutants in the aquatic environment on immunity of fish: a review. *Fish and Shellfish Immunology*. November 1993; 3(6): 423-438.
- Dunn, B. P. Carcinogen adducts as an indicator for the public health risks of consuming carcinogen-exposed fish and shellfish. *Environmental Health Perspectives*. January 1991; 90: 111-116.
- Durako, M. J.; Kenworthy, W. J.; Fatemy, S. M. R.; Valavi, H.; Thayer, G. W. Assessment of the toxicity of Kuwait crude oil on the photosynthesis and respiration of seagrasses of the northern Gulf. *Marine Pollution Bulletin*. 1993; 27: 223-227.
- Durrani, S.; Siddiqui, S. A. Hydrocarbon concentrations in sediments and animal tissues from the coastal water. *Marine Pollution Bulletin*. August 1990; 21(8): 397-399.
- Dustan, P.; Lidz, B. H.; Shinn, E. A. Impact of exploratory wells, offshore Florida: a biological assessment. *Bulletin of Marine Science*. January 1991; 48(1): 94-124.
- Dutrieux, E. Experimental study of the impact of hydrocarbons on the intertidal benthic community: the Mahakam Delta (East Kalimantan, Indonesia). *Oceanologica Acta*. 1992; 15(2): 197-209.
- Dutrieux, E.; Denis, J.; Populus, J. Application of spot data to a base-line ecological study of the Mahakam Delta mangroves East Kalimantan, Indonesia. *Oceanologica Acta*. 1990; 13(3): 317-326.

- Dutrieux, E.; Martin, F.; Debry, A. Growth and mortality of *Sonneratia caseolaris* planted on an experimentally oil-polluted soil. *Marine Pollution Bulletin*. February 1990; 21(2): 62-67.
- Edsall, C. C. Acute toxicities to larval rainbow trout of representative compounds detected in Great Lakes fish. *Bulletin of Environmental Contamination and Toxicology*. February 1991; 46(2): 173-178.
- Efroymson, R. A.; Alexander, M. Role of partitioning in biodegradation of phenanthrene dissolved in nonaqueous-phase liquids [NAPLs]. *Environmental Science and Technology*. June 1994; 28(6): 1,172-1,179.
- Ehrhardt, M.; Petrick, G. On the composition of dissolved and particle-associated fossil fuel residues in Mediterranean surface water.

 Marine Chemistry. March 1993; 42(1): 57-70.
- Ehrhardt, M. G.; Burns, K. A. Hydrocarbons and related photo-oxidation products in Saudi Arabian Gulf coastal waters and hydrocarbons in underlying sediments and bioindicator bivalves. *Marine Pollution Bulletin*. 1993; 27: 187-197.
- Ehrhardt, M. G.; Burns, K. A. Petroleum-derived dissolved organic compounds concentrated from inshore waters in Bermuda, north Atlantic Ocean. *Journal of Experimental Marine Biology and Ecology*, 1990; 138(1-2): 35-48.
- Ehrhardt, M. G.; Burns, K. A.; Bicego, M. C. Sunlight-induced compositional alterations in the seawater-soluble fraction of a crude oil. *Marine Chemistry*. March 1992; 37(1-2): 53-64.
- Eisman, M. P.; Landon-Arnold, S.; Swindoll, C. M. Determination of petroleum hydrocarbon toxicity with Microtox. *Bulletin of Environmental Contamination and Toxicology*. 1991; 47(6): 811-816.
- Ekker, M. Chronic oil-fouling of grey seal pups at the Froan breeding ground, Norway. *Marine Pollution Bulletin*. February 1992; 24(2): 92-93.
- el Din Shams, A. M.; Arain, R. A.; Hammoud, A. A. A contribution to the problem of trihalomethane formation from the Arabian Gulf water. *Desalination*. 1991; 85(1): 13-32.

- El-Gendy, K. S.; Abdalla, A. A.; Aly, H. A.; Tantawy, G.; El-Sebae, A. H. Residue levels of chlorinated hydrocarbon compounds in water and sediment samples from Nile branches in the delta, Egypt. *Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants and Agricultural Wastes.* 1991; 26(1): 15-36.
- Elskus, A. A.; Stegeman, J. J. Induced cytochrome P-450 in *Fundulus heteroclitus* associated with environmental contamination by polychlorinated biphenyls and polynuclear aromatic hydrocarbons. *Marine Environmental Research*. 1989; 27(1).
- Engelhardt, F. R.; (Ed.) Assessment of the vulnerability of marine mammals to oil pollution. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 101-115.
- Eppley, Z. A. Assessing indirect effects of oil in the presence of natural variation: the problem of reproductive failure in south polar skuas during the *Bahia Paraiso* oil spill. *Marine Pollution Bulletin*. 1992; 25(9-12): 307-312.
- Eppley, Z. A.; Rubega, M. A. Indirect effects of an oil spill: reproductive failure in a population of south polar skuas following the *Bahia Paraiso* oil spill in Antarctica. *Marine Ecology Progress Series*. 1990; 67(1): 1-6.
- Erseus, C.; Milligan, M. R. Three new species of Tubificidae (Oligochaeta) from an oil seepage area on the continental slope of the northern Gulf of Mexico. *Proceedings of the Biological Society of Washington*. December 19, 1989; 102(4): 887.
- Estes, J. A. Catastrophes and conservation: lessons from sea otters and the Exxon *Valdez*. *Science*. 1991; 254(5038): 1596.
- Esteves, J. L.; Commendatore, M. G. Total aromatic hydrocarbons in water and sediment in a coastal zone of Patagonia, Argentina. *Marine Pollution Bulletin*. June 1993; 26(6): 341-342.

- Evans, M. I.; Symens, P.; Pilcher, C. W. T. Shortterm damage to coastal bird populations in Saudi Arabia and Kuwait following the 1991 Gulf War marine pollution. *Marine Pollution* Bulletin. 1993; 27: 157-161.
- Everts, J. W.; Eys, Y.; Ruys, M.; Pijnenburg, J.; Visser, H.; Luttik, R. Biomagnification and environmental quality criteria: a physiological approach. *Journal du Conseil: Conseil International de L'Exploration de la Mer.* 1993; 50(4): 333-335.
- Fabacher, D. L.; Besser, J. M.; Schmitt, C. J.; Harshbarger, J. C.; Peterman, P. H.; Lebo, J. A. Contaminated sediments from tributaries of the Great Lakes: chemical characterization and carcinogenic effects in medaka (Oryzias latipes). Archives of Environmental Contamination and Toxicology. July 1991; 21(1): 17-34.
- Faisal, M.; Marzouk, M. S. M.; Smith, C. L.; Huggett, R. J. Mitogen induced proliferative responses of lymphocytes from spot (*Leiostomus xanthurus*) exposed to polycyclic aromatic hydrocarbon contaminated environments. *Immunopharmacology and Immunotoxicology*, 1991; 13(3): 311-327.
- Faisal, M.; Weeks, B. A.; Vogelbein, W. K.; Huggett, R. J. Evidence of aberration of the natural cytotoxic cell activity in *Fundulus heteroclitus* (Pisces, Cyprinodontidae) from the Elizabeth River, Virginia. *Veterinary Immunology and Immunopathology*. September 1991; 29(3-4): 339-351.
- Falatko, D. M.; Novak, J. T. Effects of biologically produced surfactants on the mobility and biodegradation of petroleum hydrocarbons. *Water Environment Research*. March 1992; 64(2): 163-169.
- Fang, J.; Sassen, R.; Chin, E. W. Organic geochemistry of sediments of deep Gulf of Mexico basin. Proceedings of the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90). 1990; 2.
- Fang, X. P.; Ruppecht, J. K.; Alkofahi, A.; Hui, Y. H.; Liu, Y. M.; Smith, D. L.; Wood, K. V.; McLaughlin, J. L. Gigantetrocin and gigantriocin two novel bioactive annonaceous acetogenins from *Goniothalamus giganteus*. *Heterocycles* (Tokyo). 1991; 32(1): 11-18.

- Farrington, J. W.; (Ed.) Environmental Health
 Perspectives. January 1991; 90: 75-84. Special
 issue: Biogeochemical Processes Governing
 Exposure and Uptake of Org[ano]pollutant
 Compounds in Aquatic Organisms: Symposium
 on Chemically Contaminated Aquatic Food
 Resources and Human Cancer Risk; September
 29-30, 1988; Research Triangle Park, NC.
- Fayad, N. M.; Tawabini, B. S. Survey of Saudi Arabian drinking water for trihalomethanes. Bulletin of Environmental Contamination and Toxicology. February 1991; 46(2): 305-312.
- Feder, H. M. Chukchi Sea continental shelf: benthos-environmental interactions, final report. Anchorage, AK: US Department of the Interior, Minerals Management Service, Alaska OCS Office; February 1989. 313 p.
- Feder, H. M.; Naidu, A. S.; Paul, A. J. Trace element and biotic changes following a simulated oil spill on a mudflat ... *Marine Pollution Bulletin*. March 1990; 21(3): 131-137.
- Feng, F.; Liu, F. Y. Induction of hepatic mixedfunction oxidase of the mullet, *Mugil so-iuy* by crude. *Oceanologia et Limnologia Sinica*. 1990; 21(2): 192-195.
- Fernandez, P.; Grifoll, M.; Solanas, A. M.; Bayona, J. M.; Albaiges, J. Bioassay-directed chemical analysis of genotoxic components in coastal sediments. *Environmental Science and Technology*. April 1992; 26(4): 817-829.
- Ferrando, M. D.; Andreu-Moliner, E. Acute toxicity of toluene, hexane, xylene, and benzene to the rotifers *Brachionus calyciflorus* and *Brachionus plicatilis*. *Bulletin of Environmental Contamination and Toxicology*. 1992; 49(2): 266-271.
- Ferrante, P. Food procurement and feeding of sea otters during the T/V Exxon Valdez oil spill. US Fish and Wildlife Service Biological Report. 1990; 90(12): 321-322.
- Field, R.; North, M. R.; Wells, J. Nesting activity of yellow-billed loons on the Colville River Delta, Alaska, after the Exxon *Valdez* oil spill. *Wilson Bulletin*. June 1993; 105(2): 325-332.

- Figura, L. O.; Cammenga, H. K. Continuous

 Stripping of Methane from Seawater About
 Water [Kontinuierliches Strippen von Methan
 aus Meerwasser]. Muenchen (Germany, FR):
 Gesellschaft Deutscher Chemiker; April 1990;
 74.
- Filippova, E. M.; Chubarov, V. V.; Fadeev, V. V. New possibilities of laser fluorescence spectroscopy for diagnostics of petroleum hydrocarbons in natural water. *Canadian Journal of Applied Spectroscopy*. October 1993; 38(5): 139-144.
- Findlay, J. A.; Yayli, N.; Calhoun, L. A. Novel sulfated hydrocarbons from the sea cucumber *Cucumaria frondosa*. *Journal of Natural Products Lloydia*. January 1991; 54(1): 302-304.
- Fink, M. J. MFO induction and histopathology in pink salmon fry from oiled streams in Prince William Sound, Alaska 1990-1991. Juneau, AK: Alaska Department of Fish and Game, Habitat Division; March 1992. (Alaska Department of Fish and Game, Habitat Division Technical Report; 92-1).
- Fischer, J. M.; Baehr, A. L.; Smith, N. P. Field determination of hydrocarbon degradation rates in shallow ground water by simulating transport of oxygen and carbon dioxide in the unsaturated zone. *Eos.* April 7, 1991; 73(14, Suppl.): 115.
- Fisher, W. S.; Foss, S. S. A simple test for toxicity of No. 2 fuel oil and oil dispersants to embryos of grass shrimp, *Palaemontetes pugio. Marine Pollution Bulletin.* July 1993; 26(7): 385-391.
- Foran, J. A.; Glenn, B. S. Reducing the health risks of sport fish. *Issues in Science and Technology*. December 1992; 8(2): 73-78.
- Ford, J. K. B.; Cubbage, J. C.; Norton, P. Distribution, abundance, and age segregation of bowhead whales in the southeast Beaufort Sea, August-September 1986. 1987. (Environmental Studies Research Funds; 089). Note: Summary in English.
- Ford, R. G.; Piatt, J. F. Assessment of seabird mortality from the Exxon *Valdez* oil spill. *Pacific Seabird Group Bulletin*. 1993; 20(1): 44. Note: Abstract only.

- Fossum, P.; Oeiestad, V.; (Eds.) De Tidlige
 Livsstadiene Hos Fisk i Moete Med Trusselen
 fra Petroleumsvirksomheten. Sluttrapport fra
 Havforskningsinstituttets egg-og larveprogram
 HELP (1985-1991) [The Early Life History of
 Marine Fish Species Confronted by the Peril of
 Offshore Oil Activity. Final Report HELP Havforskningsinstituttets egg-og larveprogram
 (1985-1991)]. [Norway: HELP
 Havforskningsinstituttets egg larveprogram?];
 1992. 78 p. Note: In Norwegian.
- Fouillet, B.; Chambon, P.; Chambon, R.; Castegnaro, M.; Weill, N. Effects of ozonation on mutagenic activity of polycyclic aromatic hydrocarbons. *Bulletin of Environmental Contamination and Toxicology*. July 1991; 47(1): 1-7.
- Fox, G. A.; Collins, B.; Hayakawa, E.; Weseloh, D. V.; Ludwig, J. P.; Kubiak, T. J.; Erdman, T. C. Reproductive outcomes in colonial fish-eating birds: a biomarker for developmental toxicants in Great Lakes food chains .II. Spatial variation in the occurrence and prevalence of bill defects in young double-crested cormorants in the Great Lakes, 1979-1987. Journal of Great Lakes Research. 1991; 17(2): 153-157.
- Fox, G. A.; Gilbertson, M.; Gilman, A. P.; Kubiak, T. J. A rationale for the use of colonial fisheating birds to monitor the presence of developmental toxicants in Great Lakes fish. *Journal of Great Lakes Research*. 1991; 17(2): 151-152.
- Fox, L. E.; Lipschultz, R.; Kerkhof, L.; Wofsy, S. C. A chemical survey of the Mississippi estuary. *Estuaries*. March 1987; 10(1).
- Franzaring, J.; Bierl, R.; Ruthsatz, B. Active biological monitoring of polycyclic aromatic hydrocarbons using kale (*Brassica oleracea*) as a monitor-species. *Chemosphere*. September 1992; 25(6): 827-834.
- Frease, R. A.; Windsor, J. G. Behaviour of selected polycyclic aromatic hydrocarbons associated with stabilized oil and coal ash artificial reef. *Marine Pollution Bulletin*. January 1991; 22(1): 15-19.

- Fritz, P.; Fontes, J. C.; (Eds.) Handbook of Environmental Isotope Geochemistry: The Marine Environment, A. The Netherlands: Elsevier; 1989. 428 p. (Handbook of Environmental Isotope Geochemistry; v. 3).
- Fritz, P.; Fontes, J. C.; (Eds.) Handbook of Environmental Isotope Geochemistry: The Terrestrial Environment, A. The Netherlands: Elsevier; 1980. 546 p. (Handbook of Environmental Isotope Geochemistry; v. 1).
- Fritz, P.; Fontes, J. C.; (Eds.) Handbook of Environmental Isotope Geochemistry: The Terrestrial Environment, B. The Netherlands: Elsevier; 1986. 558 p. (Handbook of Environmental Isotope Geochemistry; v. 2).
- Galgani, F.; Legal, Y. Marine organisms: guardians of the oceans. *Biofutur*. November 1991; (106): 68-70.
- Gallaway, B. J. Environmental assessment of Buccaneer gas and oil field in the northwestern Gulf of Mexico, 1975-1980: volume II, fishes and macro-crustaceans/biofouling communities. Galveston, Galveston Laboratory, TX: NMFS; 1980; PB81-188344; 81-06789.
- Gandini, P.; Boersma, P. D.; Frere, E.; Gandini, M.; Holik, T.; Lichtschein, V. Magellanic penguins (*Spheniscus magellanicus*) affected by chronic petroleum pollution along coast of Chubut, Argentina. *Auk.* January 1994; 111(1): 20-27.
- Garabetian, F.; Romano, J. C.; Paul, R.; Sigollot, J. C. Organic matter composition and pollutant enrichment of sea surface microlayer inside and outside slicks. *Marine Environmental Research*. 1993; 35(4): 323-339.
- Garcia, K. L.; Delfino, J. J.; Powell, D. H. Non-regulated organic compounds in Florida sediments. *Water Research*. November 1993; 27(11): 1601-1613.
- Gardner, G. R.; Pruell, R. J.; Malcolm, A. R. Chemical induction of tumors in oysters by a mixture of aromatic and chlorinated hydrocarbons, amines and metals. *Marine Environmental Research*. 1992; 34(1-4): 59-63.
- Garman, G.; Pillai, M. C.; Cherr, G. N. Inhibition of cellular events during early algal gametophyte development: effects of select metals and an aqueous petroleum waste. *Aquatic Toxicology*. January 1994; 28(1-2): 127-144.

- Garrity, S. D.; Levings, S. C. Effects of an oil spill on some organisms living on mangrove (*Rhizophora mangle* L.) roots in low wave-energy habitats in Caribbean Panama. *Marine Environmental Research*. 1993; 35(3): 251-271.
- Garrity, S. D.; Levings, S. C.; Burns, K. A. The *Galeta* oil spill .I. Long-term effects on the physical structure of the mangrove fringe. *Estuarine, Coastal and Shelf Science*. April 1994; 38(4): 327-348.
- Garrott, R. A.; Eberhardt, L. L.; Burn, D. M. Mortality of sea otters in Prince William Sound following the Exxon *Valdez* oil spill. *Marine Mammal Science*. October 1993; 9(4): 343-359.
- Gashev, S. N. Effect of oil spills on the fauna and ecology of small mammals from the central OB region. *Soviet Journal of Ecology*. March 1992; 23(2): 99-106.
- Gatt, S.; Bercovier, H.; Barenholz, Y. Use of liposomes for combating oil spills and their potential application to bioreclamation. *On-Site Bioreclamation*. 1991; 293-312.
- Gaur, J. P. Chronic effects of two petroleum oils on Selenastrum capricornutum Printz. Indian Journal of Environmental Health. 1989; 31(1): 79-82.
- Gaur, J. P.; Singh, A. K. Comparative studies on the toxicity of petroleum oils and their aqueous extracts towards Anabaena doliolum. Proceedings of the Indian Academy of Sciences Plant Sciences. 1989; 99(5): 459-466.
- Geller, J. T.; Hunt, J. R. Mass transfer from nonaqueous phase organic liquids in watersaturated porous media. *Water Resources Research*. April 1993; 29(4): 833-845.
- Generalova, V. V.; Gromov, A. A.; Gursky, M. N.; Zhanzhora, A. P.; Ilgasova, N. P.; Leskov, A. S. Applications of some polycrystalline hydrocarbons (alanine and sugars) for high-dose measurement by ESR spectrometry. *Applied Radiation and Isotopes*. April 1993; 44(4): 791-793.
- Geraci, J. R.; St. Aubin, D. J. Sea Mammals and Oil: Confronting the Risks. San Diego: Academic Press; 1990. 282 p. ISBN: 012280600X.

- Geraci, J. R.; St. Aubin, D. J.; (Eds.) Synthesis of effects of oil on marine mammals. US
 Department of the Interior, Minerals
 Management Service, Atlantic OCS Region;
 September 1988; OCS Study MMS 88-0049.
- Geyer, H. J.; Scheunert, I.; Bruggemann, R.; Steinberg, C.; Korte, F.; Kettrup, A. QSAR for organic chemical bioconcentration in *Daphnia*, algae, and mussels. *Science of the Total Environment*. December 1991; 109(DEC): 387-394.
- Geyer, R. A.; (Ed.) *Marine Environmental Pollution: Hydrocarbons.* The Netherlands: Elsevier;
 1980; 1. 592 p. (Elsevier Oceanography Series;
 v. 27A).
- Ghatak, D. B.; Konar, S. K. Impact of combinations of cadmium, pesticide DDVP, detergent parnol-J and petroleum hydrocarbon n-heptane on aquatic ecosystem. *Environmental Ecology*. 1993; 11(3): 553-559.
- Giam, C. S.; Ray, Lee E.; (Eds.) *Pollutant Studies in Marine Animals*. Boca Raton, FL: Lewis Publishers; 1987. 187 p.
- Gilewicz, M.; Monpert, G.; Acquaviva, M.; Mille, G.; Bertrand, J. C. Anaerobic oxidation of 1-nheptadecene by a marine denitrifying bacterium. Applied Microbiology and Biotechnology. November 1991; 36(2): 252-256.
- Gilfillan, E. S.; (Ed.) Petroleum effects on osmoregulation in the marine halophytes Spartina alterniflora and Rhizophora mangle. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 151-158.
- Gilfillan, E. S. Use of clustering and ordination techniques to follow community succession from oil impact to recovery in the field. Eighth International Ocean Disposal Symposium: Program and Abstracts; October 9-13, 1989; Dubrovnik, Yugoslavia. 1989: 49-50.

- Gilfillan, E. S. Use of multivariate techniques to detect changes in community structure associated with oil pollution in the field.

 Marine Environmental Research. 1989; 28(1-4): 537-538. Special issue: Fifth International Symposium on Responses of Marine Organisms to Pollutants; April 12-14, 1989; Plymouth, England, UK.
- Gilfillan, E. S. Use of nalk ratios in leaf tissues to determine effects of petroleum on salt exclusion in marine halophytes. *Marine Pollution Bulletin*. June 1989; 20(6): 272-276.
- Gilfillan, E. S. Use of ordination techniques to follow community succession from oil impact to recovery in the field. *Chemical Ecology*. 1991; 5(1-2): 85-97.
- Girling, A. E. Acute and chronic toxicity of produced water from a North Sea oil production platform to the calanoid copepod *Acartia tonsa*. *Bulletin of Environmental Contamination and Toxicology*. August 1989; 43(2): 280-286.
- Girling, A. E. Preparation of aqueous media for aquatic toxicity testing of oils and oil-based products: a review of the published literature. *Chemosphere*. 1989; 19(10-11): 1,635-1,642.
- Glamuzina, B.; Tudor, M.; Katavic, I. The effects of the water soluble fraction of Iraq crude oil on eggs, larvae and postlarvae of gilthead sea bream, *Sparus aurata* Linnaeus 1758. *Oil and Chemical Pollution*. 1991; 7(4): 283-298.
- Glaser, J. A. Nutrient-enhanced bioremediation of oil-contaminated shoreline: the *Valdez* experience. *On-Site Bioreclamation*. 1991; 366-384.
- Gobas, F. A. P. C.; McNeil, E. J.; Lovett-Doust, L.; Haffner, G. D. Bioconcentration of chlorinated aromatic hydrocarbons in aquatic macrophytes. *Environmental Science and Technology*. May 1991; 25(5): 924-929.
- Goksøyr, A.; Solberg, T. S.; Serigstad, B. Immunochemical detection of cytochrome P-450 IA1 induction in cod larvae and juveniles exposed to a water soluble fraction of North Sea crude oil. *Marine Pollution Bulletin*. March 1991; 22(3): 122-127.
- Golterman, H. L. Reflections on post-OECD eutrophication models. *Hydrobiologia*. 1991; 218(2): 167-176.

- Gomez-Belinchon, J. I.; Grimalt, J. O.; Albaiges, J. Volatile organic compounds in two polluted rivers in Barcelona (Catalonia, Spain). *Water Research*. 1991; 25(5): 577-589.
- Gonzalez, C.; Botello, A. V.; Diaz, G. Presence of aliphatic hydrocarbons in sediments and organisms from Campeche Bank, Mexico. *Marine Pollution Bulletin*. May 1992; 24(5): 267-270.
- Goksøyr, A.; Beyer, J.; Husøy, A.-M.; Larsen, H. E.; Westrheim, K.; Wilhensen, S.; Klungsøyr, J. Accumulation and effects of aromatic and chlorinated hydrocarbons in a juvenile Atlantic cod (*Gadus morhua*) caged in a polluted fjord (Sørfjorden, Norway). *Aquatic Toxicology*. June 1994; 29(1-2): 21-35.
- Gotoh, M.; Sekitani, Y.; Aramaki, T.; Kobayashi, H.; Ogino, K.; Hobara, T. Pollution due to volatile halocarbon compounds in biota. Bulletin of Environmental Contamination and Toxicology. August 1992; 49(2): 186-191.
- Grant, D. L.; Clarke, P. J.; Allaway, W. G. The response of grey mangrove (Avicennia marina (Forsk.) Vierh.) seedlings to spills of crude oil. Journal of Experimental Marine Biology and Ecology. October 1993; 171(2): 273-295.
- Green, G.; Skerratt, J. H.; Leeming, R.; Nichols, P. D. Hydrocarbon and coprostanol levels in seawater, sea-ice and sediments near Davis Station in eastern Antarctica: a regional survey and preliminary results for a field fuel spill experiment. *Marine Pollution Bulletin*. 1992; 25(9-12): 293-302.
- Green, J.; Trett, M. W.; (Eds.) *The Fate and Effects of Oil in Freshwater*. New York: Elsevier Science Publishing; 1989, 340 p.
- Gruber, J. A.; Hogan, M. E. Transfer and placement of nonreleasable sea otters in aquariums outside Alaska. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 428-431.
- Guardiola, A.; Ventura, F.; Matia, L.; Caixach, J.; Rivera, J. Gas chromatographic-mass spectrometric characterization of volatile organic compounds in Barcelona tap water. *Journal of Chromatography*. January 2, 1991; 562(1/2): 481-92.

- Guary, J. C.; Guegueniat, P.; Pentreath, R. J.; (Eds.) Radionuclides, a Tool for Oceanography: Proceedings of an International Symposium; June 1987; Cherbourg, France. The Netherlands: Elsevier; 1988. 462 p.
- Gundlach, E. R.; Marchand, M.; Boehm, P. D.; (Eds.) The Amoco *Cadiz* analytical chemistry program. NOAA/CNEXO Joint Scientific Commission workshops: physical, chemical, and microbiological studies after the Amoco *Cadiz* oil spill, biological studies. 1982.
- Guzmán, H. M.; Burns, K. A.; Jackson, J. B. C. Injury, regeneration and growth of Caribbean reef corals after a major oil spill in Panama. *Marine Ecology Progress Series*. March 1994; 105(3): 231-241.
- Guzmán, H. M.; Holst, I. Effects of chronic oilsediment pollution on the reproduction of the Caribbean reef coral *Siderastrea siderea*. *Marine Pollution Bulletin*. May 1993; 26(5): 276-282.
- Guzmán, H. M.; Jackson, J. B. C.; Weil, E. Shortterm ecological consequences of a major oil spill on Panamanian subtidal reef corals. *Coral Reefs.* 1991; 10(1): 1-12.
- Hahn, Mark E. *Nor'Easter* research profile: using biomarkers to detect contamination of the marine environment. *Nor'Easter*. March 1994; 6(1): 8-11.
- Haider, N. R. H. Offshore environment. First International Energy Foundation, Mediterranean Offshore Conference Proceedings; February 17-20, 1991; Tripoli, Libya. 1991; 1: 375-390.
- Hall, A. T.; Oris, J. T. Anthracene reduces reproductive potential and is maternally transferred during long-term exposure in fathead minnows. *Aquatic Toxicology*. June 1991; 19(3): 249-264.
- Hall, Jr., L. W. Tributyltin environmental studies in Chesapeake Bay. *Marine Pollution Bulletin*. September 1988; 19(9): 431-438.
- Hall, R. J.; Coon, N. C. Interpreting residues of petroleum hydrocarbons in wildlife tissues. US Fish and Wildlife Service Biological Report. 1988; 88(15).

- Hamelink, J. L.; Landrum, P. F.; Bergman, H. L.;
 Benson, W. H.; (Eds.) Bioavailability:
 Physical, Chemical, and Biological
 Interactions. Boca Raton, FL: Lewis
 Publishers; 1994. 256 p. ISBN: 1566700868.
- Hamouda, A. A. Immediate and long term effect of Ekofisk *Bravo* blow out on the marine ecosystem compared to continuous discharge water from greater Ekofisk installation. *SPE Annual Technical Conference and Exhibition; October 2-5, 1988; Phillips Petroleum Company, Norway.* Richardson, TX: Society of Petroleum Engineers of AIME; 1988; PI: 741.
- Hander, R. F. Sea otter survey and capture effort,
 Kodiak Island Archipelago and Alaska
 Peninsula. US Fish and Wildlife Service
 Biological Report. 1990; 90(12): 78-89.
- Hanna, R. G. M. The level of heavy metals in the Red Sea after fifty years. *Science of the Total Environment*. September 7, 1992; 125: 417-448.
- Hanna, S. R.; Drivas, P. J. Modeling VOC emissions and air concentrations from the Exxon *Valdez* oil spill. *Journal of the Air and Waste Management Association*. March 1993; 43(3): 298-309.
- Hardin, D. D.; Toal, J.; Parr, T.; Wilde, P.; Dorsey,
 K. Spatial variation in hard-bottom epifauna in the Santa Maria Basin, California: the importance of physical factors. *Marine Environmental Research*. 1994; 37(2): 165-193.
- Harding, G. C. American lobster (*Homarus americanus* Millne Edwards): a discussion paper on their environmental requirements and the known anthropogenic effects on their populations [Ke homard d'Amerique (*Homarus americanus* Millne Edwards): document de travail sur ses besoins environmentaux et sur les phenomens anthropique se repercutant sur sa population]. *Canadian Technical Report of Fisheries and Aquatic Sciences*. 1992; 1887. 44 p. Note: In English and French.
- Hardy, J. T.; Crecelius, E. A. Aquatic surface microlayer contamination in Chesapeake Bay. *Marine Chemistry*, 1990; 28(4): 333-352.

- Harfenist, A.; Gilman, A. P.; Maus, K. L. Effects of exposure of incubating adult and young herring gulls to a simulated No. 2 fuel oil slick. Archives of Environmental Contamination and Toxicology. 1990; 19(6): 902-906.
- Harkey, G. A.; Landrum, P. F.; Klaine, S. J. Comparison of whole-sediment, elutriate and pore-water exposures for use in assessing sediment-associated organic contaminants in bioassays. *Environmental Toxicology and Chemistry*. August 1994; 13(8): 1,315-1,329.
- Harkey, G. A.; Landrum, P. F.; Klaine, S. J. Partition coefficients of hydrophobic contaminants in natural water, porewater, and elutriates obtained from dosed sediment: a comparison of methodologies. *Chemosphere*. February 1994; 28(3): 583-596.
- Harland, A. D. Metal tolerance in the scleractinian coral, *Porites lutea. Marine Pollution Bulletin*. July 1989; 20(7): 353-357.
- Hawker, D. Description of fish bioconcentration factors in terms of solvatochromic parameters. *Chemosphere*. 1990; 20(5): 467-478.
- Hayes, J. M. Geochemistry: stability of petroleum. *Nature*. July 1, 1991; 352(6331): 108-109.
- Hebert, C. E.; Haffner, G. D. Habitat partitioning and contaminant exposure in cyprinids. *Canadian Journal of Fisheries and Aquatic Sciences*. February 1991; 48(2): 261-266.
- Hellawell, J. M. Biological Indicators of Freshwater Pollution and Environmental Management. The Netherlands: Elsevier; 1986. 518 p.
- Hellou, J.; Upshall, C.; Ni, I. H.; Payne, J. F.; Huang, Y. S. Polycyclic aromatic hydrocarbons in harp seals (*Phoca groenlandica*) from the northwest Atlantic. *Archives of Environmental Contamination and Toxicology*. July 1991; 21(1): 135-140.
- Hellou, J.; Upshall, C.; Payne, J. F.; Hodson, P. V.
 Polycyclic aromatic compounds in cod (*Gadus morhua*) from the northwest Atlantic and St.
 Lawrence estuary. Science of the Total Environment. May 2, 1994; 145(1-2): 71-79.

- Hellou, J.; Upshall, C.; Payne, J. F.; Naidu, S.; Paranjape, M. A. Total unsaturated compounds and polycyclic aromatic hydrocarbons in molluscs collected from waters around Newfoundland. Archives of Environmental Contamination and Toxicology. February 1993; 24(2): 249-257.
- Hellou, J.; Upshall, C.; Taylor, D.; O'Keefe, P.; O'Malley, V.; Abrajano, T. Unsaturated hydrocarbons in muscle and hepatopancreas of two crab species, *Chionoecetes opilio* and *Hyas coarctatus. Marine Pollution Bulletin*. August 1994; 28(8): 482-488.
- Helmstetter, M. F.; Alden, R. W. Release rates of polynuclear aromatic hydrocarbons from natural sediments and their relationship to solubility and octanol-water partitioning.

 Archives of Environmental Contamination and Toxicology. April 1994; 26(3): 282-291.
- Heras, H.; Ackman, R. G.; Macpherson, E. J. Tainting of Atlantic salmon (*Salmo salar*) by petroleum hydrocarbons during a short-term exposure. *Marine Pollution Bulletin*. June 1992; 24(6): 310-315.
- Herman, D. C.; Mayfield, C. I.; Inniss, W. E. The relationship between toxicity and bioconcentration of volatile aromatic hydrocarbons by the alga *Selenastrum capricornutum*. *Chemosphere*. 1991; 22(7): 665-676.
- Herman, David C.; Inniss, W. E.; Mayfield, C. I.
 Toxicity testing of aromatic hydrocarbons
 utilizing a measure of their impact on the
 membrane integrity of the green alga
 Selenastrum capricornutum. Bulletin of
 Environmental Contamination and Toxicology.
 December 1991; 47(6): 874-881.
- Hermida-Ameijeiras, A.; Simal-Gándara, J.; López-Hernández, J.; Simal-Lozano, J. Aliphatic hydrocarbon levels in farmed and free-living mussels from Galicia (NW Spain). *Marine Pollution Bulletin*. March 1994; 28(3): 178-181.

- Hermida-Ameijeiras, A.; Simal-Gándara, J.; López-Hernández, J.; Simal-Lozano, J. Classification of the coastal waters of Galicia (NW Spain) on the basis of total aliphatic hydrocarbon concentrations in mussels (*Mytilus galloprovincialis*). *Marine Pollution Bulletin*. June 1994; 28(6): 396-398.
- Herricks, E. E. The Effects of Contaminants on Ecological Systems. New York: Pergamon; 1988. 136 p. Note: Previously published as Water Science and Technology, 19(11).
- Heubeck, M.; Richardson, M. G.; Lyster, I. H. J.; McGowan, R. Y. Post-mortem examination of great northern divers *Gavia immer* killed by oil pollution in Shetland, 1979. *Seabird*. 1993; 15: 53-59.
- Hill, K.; Tuomi, P. A. Field test for detecting crude oil on the fur of sea otters. US Fish and Wildlife Service Biological Reports. 1990; 90(12): 95-122.
- Hiscock, K.; Kuiper, J.; van den Brink, W. J.; (Eds.)
 Practical methods for monitoring rocky shore
 communities. Kuiper, J.; van den Brink, W. J.;
 (Eds.) Fate and Effects of Oil in Marine
 Ecosystems: Proceedings of the Conference on
 Oil Pollution; February 23-27, 1987;
 Amsterdam, The Netherlands. Dordrecht, The
 Netherlands: Martinus Nijhoff; 1987: 291-293.
- Hites, R. A. EPA's analytical methods for organic compounds in water and wastewater: the next generation. *Environmental Science and Technology*. June 1991; 25(6): 998-1,006.
- Hites, R. A. Mass spectrometry and a bucket of mud. 201st National Meeting of the American Chemical Society; April 14-19, 1991; Atlanta, Georgia. 1991; 201 (1-2).
- Hites, R. A.; Eisenreich, S. J.; (Eds.) Sources and Fates of Aquatic Pollutants. Washington, DC: American Chemical Society; 1987. 558 p. (Advances in Chemistry Series; v. 216).
- Hlady, D. A.; Burger, A. E. Drift-block experiments to analyse the mortality of oiled seabirds off Vancouver Island, British Columbia. *Marine Pollution Bulletin*. September 1993; 26(9): 495-501.

- Hoepner, T.; Harder, H.; Kiesewetter, K.; Dalyan, U.; Kutsche-Schmie, Ten-Knop I.; Teigelkamp, B. Biochemical aspects of hydrocarbon biodegradation in sediments and soils. *Ecological Studies*. 1989; 73: 251-272. Special issue: Second International Workshop on Behavior of Pollutants in Porous Media: Toxic Organic Chemicals in Porous Media; June 1987; Bet Dagan, Israel.
- Hofstraat, J. W.; Zeijl, M. J. M. van; Ariese, F.; Mastenbroek, J. W. G.; Gooijer, C.; Velthorst, N. H. (Laser-excited) Shpol'skii fluorometry: applications in marine environmental analysis of polynuclear aromatic hydrocarbons. *Marine Chemistry*, 1991; 33(4): 301-320.
- Hornung, H.; Kress, N. Trace elements in offshore and inshore fish from the Mediterranean coast of Israel. *Toxicology and Environmental Chemistry*, 1991; 31-2: 135-145.
- Hostettler, F. D.; Kvenvolden, K. A. Geochemical changes in crude oil spilled from the Exxon *Valdez* supertanker into Prince William Sound, Alaska. *Organic Geochemistry*. August 1994; 21(8-9): 927-936.
- Hostettler, F. D. Geochemical investigation of an oil spill in San Francisco Bay, California. Menlo Park, CA: US Department of the Interior, US Geological Survey; 1991; Open File Report 91-130.
- Howard, P. H.; Jarvis, W. F.; Meyland, W. M.; Michalenko, E. M. *Handbook of Environmental Degradation Rates*. Boca Raton, FL: Lewis Publishers; 1991. 700 p. ISBN: 0873713583.
- Hunn, J. B. Field assessment of the effects of contaminants on fishes. *US Fish and Wildlife Service Biological Report*. 1988; 88(19).
- Hupkes, R. Pollution of the North Sea by west European rivers. *Water Science and Technology*. 1991; 24(10): 69-75.
- Hurford, N.; Law, R. J. Concentrations of chemicals in the North Sea due to operational discharges from chemical tankers: results from the second survey, October 1988. *Oil and Chemical Pollution*. 1991; 7(4): 251-270.
- Hurst, R. J. Metabolic compensation in oil-exposed polar bears. *Journal of Therm. Biology.* 1991; 16(1): 53-56.

- Hyland, J.; Laur, D.; Jones, J.; Shrake, J.; Cadian, D.; Harris, L. Effects of an oil spill on the softbottom macrofauna of Arthur Harbour, Antarctica compared with long-term natural change. Antarctic Science. March 1994; 6(1): 37-44.
- Ibanez, F.; Dauvin, J. C. Long-term changes (1977 to 1987) in a muddy fine sand *Abra alba Melinna palmata* community from the western English Channel: multivariate time-series analysis. *Marine Ecology Progress Series*. 1988; 49(1-2): 65-81.
- Infante, P. F. State of the science on the carcinogenicity of gasoline with particular reference to cohort mortality study results. *Environmental Health Perspectives*. December 1993; 101(Suppl. 6): 105-109.
- Irons, D. B. Effects of the Exxon *Valdez* oil spill on blacklegged kittiwakes in Prince William Sound. *Pacific Seabird Group Bulletin*. 1993; 20(1): 46. Note: Abstract only.
- Ishiwatari, R.; Uzaki, M.; Yamada, K. Carbon isotope composition of individual n-alkanes in recent sediments. *Organic Geochemistry*. June 1994; 21(6-7): 801-808.
- Jackson, L. F.; Bidleman, T. F. Fluorescence spectroscopic studies of differential accumulation of aromatic hydrocarbons by Callianassa kraussi. Oil and Chemical Pollution. 1990; 6(1): 1.
- Jackson, T. J.,; Wade, T. L.; McDonald, T. J.; Wilkinson, D. L.; Brooks, J. M. Polynuclear aromatic hydrocarbon contaminants in oysters from the Gulf of Mexico (1986-1990). *Environmental Pollution*. 1994; 83(3): 291-298.
- Jacobi, C. M.; Schaeffer-Novelli, Y. Oil spills in mangroves: a conceptual model based on longterm field observations. *Ecological Modelling*. 1990; 52(1): 53-59.
- Jacobsson, A. Neuman,. E. Fish recruitment around a petrochemical centre in the North Sea. *Marine Pollution Bulletin*. June 1991; 22(6): 269-272.
- Jaffe, R. Fate of hydrophobic organic pollutants in the aquatic environment: a review. *Environmental Pollution*. 1991; 69(2-3): 237-257.

- Jaffe, R. Fate of hydrophobic organic pollutants in the aquatic environment. *Environmental Pollution*. 1991; 69(2-3): 237-257.
- Janssen, D. B.; Vandenwijngaard, A. J.;
 Vanderwaarde, J. J.; Oldenhuis, R.
 Biochemistry and kinetics of aerobic degradation of chlorinated aliphatic hydrocarbons. *On-Site Bioreclamation*. 1991; 92-112.
- Jenssen, B. M. Effects of ingested crude and dispersed crude oil on thermoregulation in ducks (*Anas platyrhynchos*). *Environmental Research*. 1989; 48(1): 49-56.
- Jenssen, B. M. Review article: effects of oil pollution, chemically treated oil, and cleaning on the thermal balance of birds. *Environmental Pollution*. 1994; 86(2): 207-215.
- Jenssen, B. M.; Ekker, M. Effects of plumage contamination with crude oil dispersant mixtures on thermoregulation in common eiders and mallards. Archives of Environmental Contamination and Toxicology. April 1991; 20(3): 398-403.
- Joblin, C.; Dhendecourt, L.; Leger, A.; Defourneau, D. Infrared spectroscopy of gas-phase PAH molecules .1. Role of the physical environment. Astronomy and Astrophysics. January 1994; 281(3): 923-936.
- Johnsen, S.; Gribbestad, I. S. Interactions between polycyclic aromatic hydrocarbons and natural aquatic humic substances: effect of chlorination. *Science of the Total Environment*. 1991; 107.
- Johnson, B. T. Genotoxicity testing with fish hepatic S9 for evaluation of complex mixtures in the aquatic environment: the use of channel catfish as a model. *Aquatic Toxicology*. December 1993; 27(3-4): 293-314.
- Jones, F. V. Chronic toxicity of mineral oil-wet and synthetic liquid-wet cuttings on an estuarine fish, Fundulus grandis. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2: 721-730.

- Jones, K. C. Organic Contaminants in the Environment. Lancaster, UK: Elsevier Applied Science; 1991. 340 p. (Environmental Management Series). ISBN: 1851666214.
- Kan, A. T.; Fu, G.; Tomason, M. B. Adsorption/ desorption hysteresis in organic pollutant and soil/sediment interaction. *Environmental Science and Technology*. 1994; 28(5): 859-867.
- Kannan, K.; Falandysz, J.; Tanabe, S.; Tatsukawa, R. Persistent organochlorines in harbour porpoises from Puck Bay, Poland. *Marine Pollution Bulletin*. March 1993; 26(3): 162-165
- Kanoh, T.; Fukuda, M.; Onozuka, H.; Kinouchi, T.; Ohnishi, Y. Urinary 1-hydroxypyrene as a marker of exposure to polycyclic aromatic hydrocarbons in environment. *Environmental Research*. August 1993; 62(2): 230-241.
- Karinen, J. F. Petroleum in the deep sea environment: potential for damage to biota. *Environment International*. 1980; 3(2).
- Karl, D. M. The grounding of the *Bahia Paraiso*: microbial ecology of the 1989 Antarctic oil spill. *Microbial Ecology*. 1992; 24(1): 77-89.
- Kaska, D. D.; Polnefuller, M.; Gibor, A.
 Biotransformation of alkanes and haloalkanes
 by a marine amoeba. *Applied Microbiology and Biotechnology*. March 1991; 34(6): 814-817.
- Kauss, P. B.; Hamdy, Y. S. Polycyclic aromatic hydrocarbons in surficial sediments and caged mussels of the St. Marys River, 1985. Hydrobiologia. July 26, 1991; 219: 37-62.
- Kawata, K.; Fujieda, Y. Volatile aromatic hydrocarbons in ambient air. *Japanese Journal of Toxicology and Environmental Health*. February 1993; 39(1): 37-43.
- Kayal, S. I.; Connell, D. W. Polycyclic aromatic hydrocarbons (PAHs) in sediments of the Brisbane River, Queensland, Australia, preliminary results. *Water Science and Technology*. 1989; 21(2): 161-166. Special issue: International Association on Water Pollution Research and Control Conference on Water Quality and Management for Recreation and Tourism; July 10-15, 1988; Brisbane, Oueensland, Australia.

- Kennedt, S. W.; Fox, G. A. Highly carboxylated porphyrins as a biomarker of polyhalogenated aromatic hydrocarbon exposure in wildlife: confirmation of their presence in Great Lakes herring gull chicks in the early 1970's and important methodological details. *Chemosphere*. 1990; 21(3): 407-415.
- Kennedy, C. J.; Gassman, N. J.; Walsh, P. J. The fate of benzo apyrene in the scleractinian corals *Favia fragum* and *Montastrea annularis*. *Marine Biology*. 1992; 113(2): 313-318.
- Kennedy, C. J.; Walsh, P. J. The effects of temperature on benzo<a>pyrene metabolism and adduct formation in the Gulf toadfish, *Opsanus beta*. Fish Physiology and Biochemistry. April 1991; 9(2): 179-187.
- Kennicutt II, M. C.; Brooks, J. M.; Bidigare, R. R.; Denoux, G. J. Gulf of Mexico hydrocarbon seep communities. I. Regional distribution of hydrocarbon seepage and associated fauna. Deep-Sea Research, Part A, Oceanographic Research Papers. 1988; 35(9): 1,639-1,652.
- Kennicutt II, M. C.; Sweet, S. T. Hydrocarbon contamination on the Antarctic peninsula .III. The *Bahia Paraiso*: two years after the spill. *Marine Pollution Bulletin*. 1992; 25(9-12): 303-306.
- Kenworthy, W. J.; Durako, M. J.; Fatemy, S. M. R.; Valavi, H.; Thayer, G. W. Ecology of seagrasses in northeastern Saudi Arabia one year after the Gulf War oil spill. *Marine Pollution Bulletin*. 1993; 27: 213-222.
- Khan, R. A. Effect of oil-contaminated sediment on the longhorn sculpin (*Myoxocephalus octodecemspinosus*) following chronic exposure. *Bulletin of Environmental Contamination and Toxicology*. July 1991; 47(1): 63-69.
- Khan, R. A. Influence of concurrent exposure to crude oil and infection with *Trypanosoma murmanensis* (Protozoa, Mastigophora) on mortality in winter flounder, *Pseudopleuronectes americanus. Canadian Journal of Zoology*. April 1991; 69(4): 876-880.

- Khan, R. A. Parasitism in marine fish after chronic exposure to petroleum hydrocarbons. *Bulletin of Environmental Contamination and Toxicology*. 1990; 44(5): 759-763.
- Khan, R. A.; Barker, D. E.; Williamsryan, K.; Hooper, R. G. Influence of crude oil and pulp and paper mill effluent on mixed infections of *Trichodina cottidarium* and *T. saintjohnsi* (Ciliophora) parasitizing *Myoxocephalus octodecemspinosus* and *M. scorpius. Canadian Journal of Zoology [Revue Canadienne de Zoologie].* February 1994; 72(2): 247-251.
- Khan, R. A.; Nag, K. Estimation of hemosiderosis in seabirds and fish exposed to petroleum.

 Bulletin of Environmental Contamination and Toxicology. 1993; 50(1): 125-131.
- Khan, R. A.; Ryan, P. Long term effects of crude oil on common murres (*Uria algae*) following rehabilitation. *Bulletin of Environmental Contamination and Toxicology*. February 1991; 46(2): 216-222.
- Khan, R. A.; Thulin, J. Influence of pollution on parasites of aquatic animals. *Advances in Parasitology*, 1991; 30: 201-238.
- Killops, S. D.; Howell, V. J. Complex series of pentacyclic triterpanes in a lacustrine sourced oil from Korea Bay Basin. *Chemical Geology*. 1991; 91(1).
- Killops, S. D.; Howell, V. J. Sources and distribution of hydrocarbons in Bridgwater Bay (Severn Estuary, UK): intertidal surface sediments. *Estuarine, Coastal and Shelf Science*. 1988; 27(3).
- Kimura, B.; Murakami, M.; Fujisawa, H. Simple and rapid method for screening of heavy oildegrading bacteria from marine. *Nippon Suisan Gakkaishi*. 1990; 56(6): 1009.
- Kira, S.; Itoh, T.; Hayatsu, H.; Zheng, Y.; Li, R.; Holliday, T. L.; Giam, C. S. Detection of waterborne mutagens in selected Galveston Bay sites. *Marine Environmental Research*. 1993; 35(1-2): 200-201. Special issue: Sixth International Symposium on the Responses of Marine Organisms to Pollutants, Part 2; April 24, 1992; Woods Hole, MA; Stegeman, J. J.; Moore, M. N.; Hahn, M. E.; (Eds.)

- Kirk, P. W.; Dyer, B. J.; Noe, J. Hydrocarbon utilization by higher marine fungi from diverse habitats and localities. *Mycologia*. March 1991; 83(2): 227-230.
- Kiroso, U. Accumulation of carcinogenic hydrocarbons at the sediment-water interface. *Marine Chemistry*. 1990; 30(1-3): 337-341.
- Kitamura, S.; Ueda, O.; Tatsumi, K. Metabolism of nitropolycyclic aromatic hydrocarbons in animals, fish and intestinal bacteria. *Japanese Journal of Toxicology and Environmental Health*. February 1993; 39(1): P15.
- Klekowski, Jr., Edward J.; Corredor, Jorge E.; Morell, Julio M.; Del Castillo, Carlos A. Petroleum pollution and mutation in mangroves. *Marine Pollution Bulletin*. March 1994; 28(3): 166-169.
- Klima, E. F.; Gitschlag, G. R.; Renaud, M. L. Impacts of the explosive removal of offshore petroleum platforms on sea turtles and dolphins. *Marine Fisheries Review*. 1989; 50(3): 33-42.
- Knickmeyer, R.; Steinhart, H. Cyclic organochlorines in the hermit crabs, *Pagurus bernhardus* and *P. pubescens* from the North Sea: a comparison between winter and early summer situation. *Netherlands Journal of Sea Research*. October 1988; 22(3): 237-252.
- Koebele, A. R.; Tilotta, D. C. Determination of chlorinated hydrocarbons introduced into air acetylene flames by Fourier transform infrared emission spectroscopy. *Talanta*. February 1993; 40(2): 247-254.
- Koizumi, A.; Saitoh, N.; Suzuki, T.; Kamiyama, S. A novel compound, 9-hydroxy-1-nitropyrene, is a major photodegraded compound of 1-nitropyrene in the environment. *Archives of Environmental Health*. March 1994; 49(2): 87-92.
- Konnov, V. A.; Romankevich, Y. A. Biogeochemical investigations in the inshore zone of Curieuse Island (Seychelles Islands). *Okeanologiya* (Moscow). 1990; 30.
- Kostecki, P. T.; Calabrese, E. J.; (Eds.) Petroleum Contaminated Soils, Remediation Techniques, Environmental Fate, and Risk Assessment. Chelsea, MI: Lewis Publishers; 1988; 1. 357 p. ISBN: 0873711351.

- Krahn, M. M.; Burrows, D. G.; Ylitalo, G. M.; Brown, D. W.; Wigren, C. A.; Collier, T. K.; Chan, S. L.; Varanasi, U. Mass spectrometric analysis for aromatic compounds in bile of fish sampled after the Exxon *Valdez* oil spill. *Environmental Science and Technology*. January 1992; 26(1): 116-126.
- Krahn, M. M.; Ylitalo, G. M.; Buzitis, J.; Chan, S. L.; Varanasi, U.; Wade, T. L.; Jackson, T. J.; Brooks, J. M.; Wolfe, D. A.; Manen, C. A. Comparison of high-performance liquid chromatography/fluorescence screening and gas chromatography/mass spectrometry analysis for aromatic compounds in sediments sampled after the Exxon *Valdez* oil spill. *Environmental Science and Technology*. April 1993; 27(4): 699-708.
- Krahn, M. M.; Ylitalo, G. M.; Joss, J.; Chan, S. L. Rapid, semi-quantitative screening of sediments for aromatic compounds using sonic extraction and HPLC fluorescence analysis. *Marine Environmental Research*. 1991; 31(3): 175-196.
- Krahn, M. M.; Ylitalo, G. M.; Buzitis, J.; Sloan, C. A.; Boyd, D. T.; Chan, S. L.; Varanasi, U. Screening for planar chlorobiphenyl congers in tissues of marine biota by high-performance liquid chromatography with photodiode array detection. *Chemosphere*. July 1994; 29(1): 117-139
- Krahn, Margaret M.; Ylitalo, Gina M.; Buzitis, Jon;
 Bolton, Jennie L.; Wigran, Catherine A.; Chan,
 Sin-Lam; Varanasi, Usha. Analyses for
 petroleum-related contaminants in marine fish
 and sediments following the Gulf oil spill.
 Marine Pollution Bulletin. 1993; 27.
- Krantzberg, G.; Boyd, D. The biological significance of contaminants in sediment from Hamilton Harbor, Lake Ontario. *Environmental Toxicology and Chemistry*. 1992; 11(11): 1,527-1,540.
- Krieger, M. S.; Hites, R. A. Measurement of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in air with a diffusion denuder. *Environmental Science and Technology*. June 1994; 28(6): 1,129-1,133.

- Krishnakumar, P. K.; Casillas, E.; Varanasi, U. Effect of environmental contaminants on the health of *Mytilus edulis* from Puget Sound, Washington, USA .1. Cytochemical measures of lysosomal responses in the digestive cells using automatic image analysis. *Marine Ecology Progress Series*. April 1994; 106(3): 249-261.
- Krone, C. A.; Stein, J. E.; Varanasi, U. Estimation of levels of metabolites of aromatic hydrocarbons in fish tissues by HPLC/fluorescence analysis. *Chemosphere*. 1992; 24(4): 497-510.
- Krueger, H. O. A resource manager's guide for using aquatic organisms to assess water quality for evaluation of contaminants. *US Fish and Wildlife Service Biological Report*. August 1988; 80(20).
- Krumme, M. L.; Smith, R. L.; Egestorff, J.; Thiem, S. M.; Tiedje, J. M.; Timmis, K. N.; Dwyer, D. F. Behavior of pollutant-degrading microorganisms in aquifers: predictions for genetically engineered organisms. *Environmental Science and Technology*. June 1994; 28(6): 1,134-1,138.
- Kruus, P.; Demmer, M.; McCaw, K. *Chemicals in the Environment*. Quebec: Polyscience Publications; [1989?]. ISBN: 0921317263.
- Kucklick, J. R.; Bidleman, T. F. Organic contaminants in Winyah Bay, South Carolina .I. Pesticides and polycyclic aromatic hydrocarbons in subsurface and microlayer waters. *Marine Environmental Research*. 1994; 37(1): 63-78.
- Kukkonen, J.; Oikari, A. Bioavailability of organic pollutants in boreal waters with varying levels of dissolved organic material. *Water Research*. April 1991; 25(4): 455-463.
- Kukkonen, J.; Pellinen, J. Binding of organic xenobiotics to dissolved organic macromolecules: comparison of analytical methods. *Science of the Total Environment*. July 25, 1994; 152(1): 19-29.
- Kuletz, K. J. Effects of the Exxon Valdez oil spill on marbled murrelets at Naked Island in Prince William Sound and Kachemak Bay. Pacific Seabird Group Bulletin. 1993; 20(1): 45-46.
 Note: Abstract only.

- Kureishy, T. W. Concentration of heavy metals in marine organisms around Qatar before and after the Gulf War oil spill. *Marine Pollution Bulletin.* 1993; 27: 183-186.
- Kurelec, B.; Garg, A.; Krca, S.; Britvic, S.; Lucic, D.; Gupta, R. C. DNA adducts in carp exposed to artificial diesel-2 oil slicks. *European Journal of Pharmacology*, 1992; 228(1): 51-56.
- Kvenvolden, K. A. Methane hydrates and global climate. *Global Biogeochemical Cycles*. September 1989; 2(3).
- Laing, K. K.; Klosiewski, S. P. Marine bird populations of Prince William Sound, Alaska, before and after the Exxon *Valdez* oil spill. *Pacific Seabird Group Bulletin*. 1993; 20(1). Note: Abstract only.
- Landahl, J. T.; McCain, B. B.; Myers, M. S.; Rhodes, L. D.; Brown, D. W. Consistent associations between hepatic lesions in English sole (*Parophrys vetulus*) and polycyclic aromatic hydrocarbons in bottom sediment. *Environmental Health Perspectives*. November 1990; 89: 195-203.
- Lange, C. R.; Lambert, K. E. Biomonitoring. *Water Environment Research*. June 1994; 66(4): 642-651.
- Langenfeld, J. J.; Hawthorne, S. B.; Miller, D. J.; Pawliszyn, J. Role of modifiers for analyticalscale supercritical fluid extraction of environmental samples. *Analytical Chemistry*. March 15, 1994; 66(6): 909-916.
- Langevin, R.; Rasmussen, J. B.; Sloterdijk, H.; Blaise, C. Gentoxicity in water and sediment extracts from the St. Lawrence River system, using the SOS Chromotest. *Water Research*. 1992; 26(4): 419-429.
- Larsen, E. M.; Richardson, S. A. Some effects of a major oil spill on wintering shorebirds at Gray's Harbor, Washington. *Northwestern Naturalist*. December 1990; 71(3): 88-92.
- Larson, L. J. Method for the preliminary assessment of aquatic contamination sites using sediment extract toxicity tests. *Bulletin of Environmental Contamination and Toxicology*. 1989; 42(2): 218-225.

- Larsson, P.; Collvin, L.; Okla, L.; Meyer, G. Lake productivity and water chemistry as governors of the uptake of persistent pollutants in fish. *Environmental Science and Technology*. February 1992; 26(2): 346-352.
- Larsson, P.; Hamrin, S.; Okla, L. Factors determining the uptake of persistent pollutants in an eel population (*Anguilla anguilla* L.). *Environmental Pollution*. 1991; 69(1): 39-50.
- Larsson, U.; Linden, O.; Hagstrom, A.; Al-Alawi, Z. S. Pelagic bacterial and phytoplankton production in a subtropical marine environment exposed to chronic oil contamination. *Oil and Chemical Pollution*. 1990; 7(2): 129-142.
- Latypov, Y. Y. Pioneer settlements of reef-building corals on piles of oil platforms in the South China Sea. *Biologiya Morya Marine Biology*. 1991; (3): 93-99.
- Law, R. J.; Whinnett, J. A. Polycyclic aromatic hydrocarbons in muscle tissue of harbour porpoises (*Phocoena phocoena*) from UK waters. *Marine Pollution Bulletin*. November 1992; 24(11): 550-553.
- Law, R. J.; Whinnett, J. A. The determination of polycyclic aromatic hydrocarbons in seawater from the Fluxmanche transect (Dover Strait). *Oceanologica Acta*. 1993; 16(5-6): 593-597.
- Leahy, J. G.; Colwell, R. R. Microbial degradation of hydrocarbons in the environment. *Microbiology Reviews*. 1990; 54: 305-315.
- Leahy, J. G.; Somerville, C. C.; Cunningham, K. A.; Adamantiades, G. A.; Byrd, J. J.; Colwell, R. R. Hydrocarbon mineralization in sediments and plasmid incidence in sediment bacteria from the Campeche Bank Gulf of Mexico. *Applied and Environmental Microbiology*. 1990; 56(6): 1,565-1,570.
- Leal, J. S.; Gonzalez, J. J.; Comelles, F.; Campos, E.; Ciganda, T. Biodegradability and toxicity of anionic surfactants. *Acta Hydrochimica et Hydrobiologica*. 1991; 19(6): 703-709.

- LeBlanc, L. A.; Boehm, P. D. Monitoring hydrocarbons in Beaufort Sea sediments and organisms: implications for oil spill monitoring. Proceedings: Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia, Canada. Oslo, Norway: Norwegian State Pollution Control Authority; 1991.
- Lebo, J. A.; Zajicek, J. L.; Schwartz, T. R.; Smith, L. M.; Beasley, M. P. Determination of monocyclic and polycyclic aromatic hydrocarbons in fish tissue. *Journal of the Association of Official Analytical Chemists*. May 1991; 74(3): 538-544.
- Lee, H. B.; Peart, T. E.; Hongyou, R. L.; Gere, D. R. Supercritical carbon dioxide extraction of polycyclic aromatic hydrocarbons from sediments. *Journal of Chromatography, A.* October 29, 1993; 653(1): 83-91.
- Lee, J. T. Acute lethality data for Ontario's petroleum refinery effluents covering the period from June 1989 to November 1989. Rexdale, Ontario, Canada: Ontario Ministry of the Environment, Aquatic Toxicity Unit; 1990.
- Lee, W. M. G.; Tong, H. C.; Yeh, S. Y. Partitioning model of PAHs between gaseous and particulate phases with consideration of reactivity of PAHs in an urban atmosphere. *Journal of Environmental Science and Health, Part A: Environmental Science and Engineering.* 1993; 28(3): 563-583.
- Leighton, F. A. The systemic toxicity of Prudhoe Bay crude and other petroleum oils to CD-1 mice. *Archives of Environmental Contamination and Toxicology*. 1990; 19(2): 257-262.
- Leiker, T. J.; Rostad, C. E.; Barnes, C. R.; Pereira, W. E. A reconnaissance study of halogenated organic compounds in catfish from the lower Mississippi River and its major tributaries. *Chemosphere*. 1991; 23(7): 817-829.
- Lein, T. E.; Hlohlman, S.; Fossaa, J. H.; Aarrestad, K.; Mortensen, P. B. Oljeforurensing paa hardbunn: fjaersonen og tareskogsomraader i Midt-Norge [Oil pollution consequences on hard bottom communities: rocky shores and kelp forests in mid-Norway]. Department of Fisheries and Marine Biology, University of Bergen, Norway. IFM Rapp[orts]. 1993; 4: 1-72. Note: In Norwegian.

- Lenihan, H. S. Benthic marine pollution around McMurdo Station, Antarctica: a summary of findings. *Marine Pollution Bulletin*. 1992; 25(9-12): 318-323.
- Levings, S. C.; Garrity, S. D. Effects of oil spills on fringing red mangroves (*Rhizophora mangle*): losses of mobile species associated with submerged prop roots. *Bulletin of Marine Science*. May 1994; 54(3): 782-794.
- Levings, S. C.; Garrity, S. D.; Burns, K. A. The *Galeta* oil spill .III. Chronic reoiling, long-term toxicity of hydrocarbon residues and effects on epibiota in the mangrove fringe. *Estuarine*, *Coastal and Shelf Science*. April 1994; 38(4): 365-395.
- Levy, E. M.; Lee, K. Potential contribution of natural hydrocarbon seepage to benthic productivity and the fisheries of Atlantic Canada. *Canadian Journal of Fisheries and Aquatic Sciences*. February 1988; 45(2): 349-352.
- Lewis, M. A. The effects of mixtures and other environmental modifying factors on the toxicities of surfactants to freshwater and marine life. *Water Research*. August 1992; 26(8): 1,013-1,023.
- Li, K.; Caron, T.; Landriault, M.; Pare, J. R. J.; Fingas, M. Measurement of volatiles, semi-volatiles and heavy metals in an oil burn test. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 561-573. ISBN: 0662590503.
- Lichtenthaler, R. G.; Haag, W. R.; Mill, T. Photooxidation of probe compounds sensitized by crude oils in toluene and as an oil film on water. *Environmental Science and Technology*. 1989; 23(1): 39-45.
- Lijinsky, W. The formation and occurrence of polynuclear aromatic hydrocarbons associated with food. *Mutation Research*. March 1991; 259(3-4): 251-261.
- Lin, Z.; Zheng, Z.; Xu, M.; Zheng, J. Distribution characters of humic substances and ethanol dissoluble in the offshore oil exploration waters of northern South China Sea. *Tropical Oceanol. Redai Haiyang*. 1992; 11(3): 17-23.

- Lindgren, F.; Eriksson, L.; Hellberg, S.; Jonsson, J.; Sjostrom, M.; Wold, S. A strategy for ranking environmentally occurring chemicals, part IV: development of chemical model systems for characterization of halogenated aliphatic hydrocarbons. *Quantitative Structure-Activity Relationships*, 1991; 10(1): 36-42.
- Lindstrom, J. E.; Prince, R. C.; Clark, J. C.; Grossman, M. J.; Yeager, T. R.; Braddock, J. F.; Brown, E. J. Microbial populations and hydrocarbon biodegradation potentials in fertilized shoreline sediments affected by the T/V Exxon Valdez oil spill. Applied and Environmental Microbiology. September 1991; 57(9): 2,514-2,522.
- Lipscomb, T. P. Lesions associated with acute crude oil exposure in sea otters. *Annual Proceedings of the American Zoo Veterinarians*. 1991: 276.
- Lipscomb, T. P.; Harris, R. K.; Moeller, R. B.; Pletcher, J. M.; Haebler, R. J.; Ballachey, B. E. Histopathological lesions in sea otters exposed to crude oil. *Veterinary Pathology*. January 1993; 30(1): 1-11.
- Lissner, A. L.; Taghon, G. L.; Diener, D. R.; Schroeter, S. C.; Dixon, J. D. Recolonization of deep-water hard-substrate communities: potential impacts from oil and gas development. *Ecological Applications*. August 1991; 1(3): 258-267.
- Literathy, P.; Haider, S.; Samhan, O.; Morel, G. Experimental studies on biological and chemical oxidation of dispersed oil in seawater. *Water Science and Technology*. 1989; 21(8-9): 845.
- Lizarraga-Partida, M. L.; Izquierdo-Vicuna, F. B.; Wongchang, I. Marine bacteria on the Campeche Bank oil field. *Marine Pollution Bulletin*. August 1991; 22(8): 401-405.
- Lockey, K. H. Cuticular hydrocarbons of adult Onymacris bicolor (Haag) and Onymacris boschimana (Peringuey) (Coleoptera: Tenebrionidae). Comparative Biochemistry and Physiology, B. 1991; 98(1).

- Lockhart, W. L.; Danell, R. W. Field and experimental tainting of Arctic freshwater fish by crude and refined petroleum products.

 Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 763-771. ISBN: 0662590503.
- Lockhart, W. L.; Metner, D. A. Oil-sensitive biomarker studies of fish from Arctic Canada. Proceedings: Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia, Canada. Oslo, Norway: Norwegian State Pollution Control Authority; 1991: 169-176.
- Loening, K.; Merritt, J.; Later, D.; Wright, W.; (Eds.) *PAH Nomenclature Guide*. Columbus, OH: Battelle Press; 1990. 96 p.
- Loes, M.; Fannelop, T. K. Concentration measurements above an underwater release of natural gas. *SPE Drilling Engineering*. June 1989; 4(2): 171-178.
- Long, E. R. Ranges in chemical concentrations in sediments associated with adverse biological effects. *Marine Pollution Bulletin*. January 1992; 24(1): 38-45.
- Loonen, H.; Parsons, J. R.; Govers, H. A. J. Effect of sediment on the bioaccumulation of a complex mixture of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) by fish. *Chemosphere*. March 1994; 28(8): 1433-1446.
- Lopez, L.; Lomonaco, S.; Espinoza, A.; Blanco, A. Distribution of vanadium, nickel and sulphur in crude oils and asphaltenes of the Mara and West Mara camps, in the Lake of Maracaibo Basin, Venezuela. *Interciencia*. November 1991; 16(6): 333-342.
- Lopezavila, V.; Young, R.; Tehrani, J.; Damian, J.; Hawthorne, S.; Dankers, J.; Vanderheiden, C. Mini-round-robin study of a supercritical fluid extraction method for polynuclear aromatic hydrocarbons in soils with dichloromethane as a static modifier. *Journal of Chromatography*, A. June 24, 1994; 672(1-2): 167-175.

- Lorentsen, S. H.; Anker-Nielssen, T. Behaviour and oil vulnerability of *Fulmars fulmarus* glacialis during an oil spill experiment in the Norwegian Sea. *Marine Pollution Bulletin*. March 1993; 26(3): 144-146.
- Lovley, D. R.; Woodward, J. C.; Chapelle, F. H. Stimulated anoxic biodegradation of aromatic hydrocarbons using Fe(III) ligands. *Nature*. July 14, 1994; 370(6485): 128-131.
- Lowe, D. M.; Clarke, K. R. Contaminant-induced changes in the structure of the digestive epithelium of *Mytilus edulis*. *Aquatic Toxicology*. December 1989; 15(4): 345-358.
- Lowry, L. F. Alaska's role in mitigating the effects of the T/V Exxon *Valdez* oil spill on sea otters. *US Fish and Wildlife Service Biological Report.* 1990; 90(12): 29-31.
- Lu, B.; Zhu, G.; Zheng, S.; Xiong, J.; Shi, J. H. Geochemical characteristic of hydrocarbon compounds in the Hangzhou Bay. Acta Oceanologica Sinica. 1993; 12(1): 115-132.
- Luckas, B.; Vetter, W.; Fischer, P.; Heidemann, G.; Ploetz, J. Characteristic chlorinated hydrocarbon patterns in the blubber of seals from different marine regions. *Chemosphere*. 1990; 21(1-2): 13-19.
- Lutz, P. L.; Lutcavage, M. The effects of petroleum on sea turtles: applicability to Kemp's Ridley. Caillouet, Jr., C. W.; Landry, Jr., A. M.; (Eds.) Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management; October 1-4, 1985; Galveston, Texas. 1989.
- Lytle, T. F.; Lytle, J. S. Contaminants in sediments from the central Gulf of Mexico. *Estuaries*. March 1990; 13(1): 98-111.
- McCain, J. C.; Hassan, M. Assessment of ichthyoplankton in Saudi Arabian Gulf waters before and after the 1991 Gulf oil spill. Arabian Journal of Science and Engineering. 1993; 18(2): 269-291. Note: In English with Arabic summary.
- McCarthy, J. F.; Shugart, L. R. *Biomarkers of Environmental Contamination*. Boca Raton, FL: Lewis Publishers; [1993]. x, 457 p. ISBN: 0873712846.

- McCloskey, J. T.; Oris, J. T. Effect of water temperature and dissolved oxygen concentration on the photo-induced toxicity of anthracene to juvenile bluegill sunfish (*Lepomis macrochirus*). Aquatic Toxicology. December 1991; 21(3-4): 145-156.
- McConchie, D. M.; Lawrance, L. M. The origin of high cadmium loads in some bivalve molluscs from Shark Bay, Western Australia: a new mechanism for cadmium uptake by filter feeding organisms. Archives of Environmental Contamination and Toxicology. 1991; 21(2): 303-310.
- Maccubbin, A. E.; Ersing, N.; Frank, M. E. Mutagenicity of sediments from the Detroit River. *Journal of Great Lakes Research*. 1991; 17(3): 314-321.
- McDonald, S. J.; Kennicutt II, M. C.; Brooks, J. M. Evidence of polycyclic aromatic hydrocarbon (PAH) exposure in fish from the Antarctic peninsula. *Marine Pollution Bulletin*. 1992; 25(9-12): 313-317.
- McDonald, S. J.; Kennicutt II, M. C.; Sericano, J.; Wade, T. L.; Liu, H.; Safe, S. H. Correlation between bioassay-derived P-450 1A 1 induction activity and chemical analysis of clam (*Laternula elliptica*) extracts from McMurdo Sound, Antarctica. *Chemosphere*. June 1994; 28(12): 2237-2248.
- McDowell, J. E. How marine animals respond to toxic chemicals in ecosystems. *Oceanus*. June 1993; 36(2): 56-64.
- McFarland, M. L.; Ueckert, D. N.; Hons, F. M.; Hartmann, S. Selective-placement burial of drilling fluids .I. Effects on soil chemical properties. *Journal of Environmental Quality*. January 1992; 21(1): 135-139.
- McFarland, M. L.; Ueckert, D. N.; Hons, F. M.; Hartmann, S. Selective-placement burial of drilling fluids .II. Effects on buffalograss and fourwing saltbush. *Journal of Environmental Quality*. January 1992; 21(1): 140-144.
- MacGillivray, A. R.; Shiaris, M. P.
 Biotransformation of polycyclic aromatic
 hydrocarbons by yeasts isolated from coastal
 sediments. *Applied and Environmental Microbiology*. May 1993; 59(5): 1,613-1,618.

- McGuinness, K. A. Effects of oil spills on macroinvertebrates of saltmarshes and mangrove forests. *Journal of Experimental Marine Biology and Ecology*. 1990; 142(1-2): 121-135.
- McGurk, M. D.; Warbuton, H. D.; Parker, T. B.;
 Litke, M.; Marliave, J. B. Effects of Exxon
 Valdez oil spill on survival of Pacific herring
 eggs and viability of their larvae. Canadian
 Technical Report Fisheries and Aquatic
 Sciences. 1993; 1942: 255-257. Special issue:
 Proceedings of the Nineteenth Annual Aquatic
 Toxicity Workshop; October 4-7, 1992;
 Edmonton, Alberta, Canada; Baddaloo, E. G.;
 Ramamoorthy, S.; Moore, J. W.; (Eds.)
- Mackay, D.; Shiu, W. Y.; Ma, K. C. Illustrated Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals, II: Polycyclic Aromatics, Dioxins, and Dibenzofurans. Boca Raton, FL: Lewis Publishers; 1992; ISBN: 0873715837.
- McOrist, S.; Lenghaus, C. Mortalities of little penguins (*Eudyptula minor*) following exposure to crude oil. *Veterinary Record: Journal of the British Veterinary Association*. February 22, 1992; 130(8): 161-162.
- MacPherson, G. L. Sources of lithium and barium in Gulf of Mexico basin formation waters, USA. *Proceedings of the Sixth International Symposium on Water-Rock Interaction (WRI-6); August 3-8, 1989; Malvern.* Rotterdam, The Netherlands: A. A. Balkema: 453-456.
- MacRae, T. H.; Pandey, A. S. Effects of metals on early life stages of the brine shrimp, *Artemia*: a developmental toxicity assay. *Archives of Environmental Contamination and Toxicology*. 1991; 20(2): 247-252.
- Maddin, C. M. Marine toxicity and persistence of surfactants used in the petroleum producing industry. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production.

 Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Magee, P. S. Complex factors in hydrocarbon/water, soil/water and fish/water partitioning. *Science of the Total Environment*. 1991; 109-110: 155-178.

- Mahmood, S. K.; Rao, P. R. Microbial abundance and degradation of polycyclic aromatic hydrocarbons in soil. *Bulletin of Environmental Contamination and Toxicology*. April 1993; 50(4): 486-491.
- Malan, D. E. Predicted effects of a hypothetical oil spill on the saltmarsh crab *Sesarma catenata*. *Oil and Chemical Pollution*. 1990; 6(2): 137-160.
- Malme, C. I. Analysis and ranking of the acoustic disturbance potential of petroleum industry activities and other sources of noise in the environment of marine mammals in Alaska. 1989; US Department of the Interior, Minerals Management Service; OCS Study MMS 89-0006.
- Manahan, S. E. *Environmental Chemistry*. Chelsea, MI: Lewis Publishers; 1990. 624 p. ISBN: 0873712382. Note: Reprint of 4th ed.
- Manahan, S. E. *Toxicological Chemistry*. Chelsea, MI: Lewis Publishers; 1988. 317 p. ISBN: 0873711491.
- Mance, G. Pollution Threat of Heavy Metals in Aquatic Environments. The Netherlands: Elsevier; 1987. 372 p.
- Mankovska, B. Pollution deposition types in Slovakia. *Ekologia CSSR*. 1991; 10(4): 423-431.
- Marchini, S.; Tosato, M. L.; Norbergking, T. J. Lethal and sublethal toxicity of benzene derivatives to the fathead minnow, using a short-term test. *Environmental Toxicology and Chemistry*, 1992; 11(2): 187-195.
- Marin, M. G.; Bressan, M.; Brunetti, R. Effects of linear alkylbenzene sulphonate (LAS) on two marine benthic organisms. *Aquatic Toxicology*. 1991; 19(3): 241-248.
- Marks, R. E.; Field, S. D.; Wojtanowicz, A. K.; Britenbeck, G. A. Biological treatment of petrochemical wastes for removal of hazardous polynuclear aromatic hydrocarbon constituents. *Water Science and Technology*. 1992; 25(3): 213-220.

- Martin, D. J. Effects of petroleum contaminated waterways on migratory behavior of adult pink salmon: final report, 1987-89. Edmonds, WA: Pacific Environmental Technologies, Inc.; September 1989, 258 p.
- Martin, M.; Richardson, B. J. Long term contaminant biomonitoring: views from Southern and Northern Hemisphere perspectives. *Marine Pollution Bulletin*. November 1991; 22(11): 533-537.
- Martinsen, C.; Lauby, B.; Nevissi, A.; Brannon, E.

 The influence of crude oil and dispersant on the sensory characteristics of steelhead

 (Oncorhynchus mykiss) in marine waters.

 Journal of Aquatic Food Product Technology.

 1992; 1(1): 37-53.
- Mathers, E. M.; Houlihan, D. F.; Cunningham, M. J. Estimation of saithe *Pollachius virens* growth rates around the Beryl Oil platforms in the North Sea: a comparison of methods. *Marine Ecology Progress Series*. 1992; 86(1): 31-40.
- Mathews, C. P.; Kedid, S.; Fita, N. I.; Al-Yahya, A.; Al-Rasheed, K.. Preliminary assessment of the effects of the 1991 Gulf War on Saudi Arabian prawn stocks. *Marine Pollution Bulletin*. 1993; 27: 251-271.
- Mello, M. R.; Gaglianone, P. C.; Brassell, S. C.; Maxwell, J. R. Geochemical and biological marker assessment of depositional environments using Brazilian offshore oils. *Marine and Petroleum Geology*. August 1988; 5(3): 205-223.
- Mello, M. R.; Soldan, A. L.; Maxwell, J. R.; Figueira, J. The habitat of petroleum in the Brazilian marginal and west African basins: a biological marker investigation. AAPG Bulletin. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Mendelssohn, I. R.; Flynn, K. M.; Wilsey, B. J. The relationship between produced water discharges, and plant biomass and species composition, in three Louisiana marshes. *Oil* and Chemical Pollution. 1990; 7(4): 317-335.

- Mendelssohn, I. A.; Hester, M. W. The effect of a Louisiana crude oil discharge from a pipeline break on the vegetation of a southeast Louisiana brackish marsh. *Oil and Chemical Pollution*. 1990; 7(1): 1-15.
- Mendelssohn, I. A.; Hester, M. W.; Hill, J. M.
 University Research Initiative: effects of oil
 spills on coastal wetlands and their recovery,
 year 4, final report. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; September 1993; OCS Study MMS 930045, 46 p.
- Michel, J.; Hayes, M. O.; Keenan, R. S.; Sauer, T.
 C.; Jensen, J. R.; Narumalani, S.
 Contamination of nearshore subtidal sediments of Saudi Arabia from the Gulf War oil spill.
 Marine Pollution Bulletin. 1993; 27: 109-116.
- Michel, X. R.; Suteau, P.; Robertson, L. W.;
 Narbonne, J. F. Effects of benzo apprene,
 3,3',4,4'-tetrachlorobiphenyl and 2,
 2',4,4',5,5'-hexachlorobiphenyl on the
 xenobiotic-metabolizing enzymes in the mussel
 (Mytilus galloprovincialis). Aquatic
 Toxicology, 1993; 27: 335-344.
- Mille, G.; Eljammal, T.; Doumenq, P.; Bertrand, J. C. Hydrocarbons and fatty acids in surficial sediments (French Mediterranean coastal zones). *Science of the Total Environment*. March 31, 1992; 113(3): 209-228.
- Mille, G.; Rivet, L.; Ila-Jawad, A. I.; Bertrand, J. C. Hydrocarbon distributions in low polluted surface sediments from Kuwait, Bahrain and Oman coastal zones (before the Gulf War). *Marine Pollution Bulletin*. December 1992; 24(12): 622-626.
- Miller, C. T.; Rabideau, A. J.; Mayer, A. S. Groundwater. *Research Journal of the Water Pollution Control Federation*. June 1991; 63(4): 552-593.
- Miller, N. L. Stability analysis of toxic substances within aquatic ecosystems and their effect on aquatic populations. *Ecological Modelling*. March 1992; 60(2): 151-165.

- Mironov, O. G.; Gordina, A. D.; Rudneva, I. I.; Murav'eva, I. P.; Gavenauskaite, T. L. Effect of heavy petroleum fractions on developing eggs of the blenny, *Blennius sanguinolentus*. *Journal* of *Ichthyology*. 1993; 33(1): 149-152. Note: Translated from *Voprosy Ikhtiologii*, 1992, 32(4): 169-171.
- Mitchell, C. Methane emissions from the coal and natural gas industries in the UK. *Chemosphere*. 1993; 26(1-4): 441-446. Special issue: NATO Advanced Research Workshop; October 7-11, 1991; Mount Hood, OR.
- Moldan, A. Petroleum hydrocarbon input into False Bay. *Transactions of the Royal Society of South Africa*. 1991; 47(P4-5): 731-736.
- Monosson, E.; Stegeman, J. J. Cytochrome P-450E (P-450IA) induction and inhibition in winter flounder by 3,3',4,4'-tetrachlorobiphenyl: comparison of response in fish from Georges Bank and Narragansett Bay. *Environmental Toxicology and Chemistry*. 1991; 10(6): 765-774. Special issue: Symposium on Long-Term Effects of Bioaccumulated Polyhalogenated Hydrocarbons at the Tenth Annual Meeting of the Society of Environmental Toxicology and Chemistry; October 28-November 2, 1989; Toronto, Ontario, Canada.
- Monosson, E.; Stegeman, J. J. Induced cytochrome P-4501A in winter flounder, *Pleuronectes americanus*, from offshore and coastal sites. *Canadian Journal of Fisheries and Aquatic Sciences*. April 1994; 51(4): 933-941.
- Montagna, P. A. Meiobenthic communities of the Santa Maria Basin on the California continental shelf. *Continental Shelf Research*. November 1991; 11(11): 1,355-1,378.
- Moore, S. E.; Clarke, J. T. Bowhead whale autumn distribution and relative abundance in relation to oil and gas lease areas in the northeastern Chukchi Sea. *Polar Record*. 1993; 29(170): 209-214.
- Morales-Loo, M. R.; Goutx, M. Effects of water-soluble fraction of the Mexican crude oil "Isthmus Cactus" on growth, cellular content of chlorophyll A, and lipid composition of planktonic microalgae. *Marine Biology*. 1990; 104(3): 503-509.

- Moriarty, F. *Ecotoxicology: The Study of Pollutants in Ecosystems*. 2nd ed. San Diego: Academic Press; 1988. 304 p.
- Mothershead, R. F.; Hale, R. C. Influence of ecdysis on the accumulation of polycyclic aromatic hydrocarbons in field exposed blue crabs (*Callinectes sapidus*). *Marine Environmental Research*. 1992; 33(2): 145-156.
- Mothershead, R. F.; Hale, R. C.; Greaves, J. Xenobiotic compounds in blue crabs from a highly contaminated urban subestuary. *Environmental Toxicology and Chemistry*. 1991; 10(10): 1,341-1,349.
- Moyano, M.; Moresco, H.; Blanco, J.; Rosadilla, M.; Caballero, A. Baseline studies of coastal pollution by heavy metals, oil and PAHs in Montevideo. *Marine Pollution Bulletin*. August 1993; 26(8): 461-464.
- Moyano, M.; Moresco, H.; Blanco, J.; Rosadilla, M.; Caballero, A. Baseline studies of coastal pollution by heavy metals, oil and PAHs in Montevideo. *Marine Pollution Bulletin*. August 1993; 26(8): 461-464.
- Mudroch, A. Metal concentration in sediments (bottom and suspended) of St. Mary's River, Ontario/Michigan. *Water Pollution Research Journal of Canada*. 1991; 26(2): 119-143.
- Mueller, C.; Pesch, G.; Anderson, S. Genotoxic effects of complex marine sediment extracts on V79 Chinese hamster lung fibroblasts. *Environmental Toxicology and Chemistry*. 1991; 10(9).
- Mueller, M. D.; Renberg, L.; Rippen, G. Tributyltin in the environment, sources fate and determination, an assessment of present status and research needs. *Chemosphere*. 1989; 18(9-10): 2,015-2,042.
- Mullick, S.; Konar, S. K. Chronic effects of mixture of heavy metals, petroleum product and detergent on the fish *Ooreochromis mossambicus* and aquatic ecosystem. *Environmental Ecology*. 1992; 10(1): 235-241.
- Muncherova, D.; Augustin, J. Fungal metabolism and detoxification of polycyclic aromatic hydrocarbons: a review. *Bioresource Technology*, 1994; 48(2): 97-106.

- Murray, A. P.; Richardson, B. J.; Gibbs, C. F. Bioconcentration factors for petroleum hydrocarbons, PAHs, LABs and biogenic hydrocarbons in the blue mussel. *Marine Pollution Bulletin*. December 1991; 22(12): 595-603.
- Murray, H. E.; Beck, J. N. Methane in well water from Lake Charles, Louisiana. *Bulletin of Environmental Contamination and Toxicology*. May 1992; 48(5): 768-771.
- Myers, M. S.; Landahl, J. T.; Krahn, M. M.;
 McCain, B. B. Relationships between hepatic
 neoplasms and related lesions and exposure to
 toxic chemicals in marine fish from the US
 West Coast. *Environmental Health*Perspectives. 1991; 90: 7-15. Special issue:
 Symposium on Chemically Contaminated
 Aquatic Food Resources and Human Cancer
 Risk; September 29-30, 1988; Research
 Triangle Park, NC.
- Myrdal, P.; Ward, G. H.; Dannenfelser, R. M.; Mishra, D.; Yalkowsky, S. H. AQUAFAC 1, aqueous functional group activity coefficients: application to hydrocarbons. *Chemosphere*. April 1992; 24(8): 1,047-1,061.
- Nakatani, R. E.; Nevissi, A. E. Effect of Prudhoe Bay crude oil on the homing of coho salmon in marine waters. *North American Journal of Fisheries Management*. 1991; 11(2): 160-166.
- Nance, J. M. Effects of oil gas field produced water on the macrobenthic community in a small gradient estuary. *Hydrobiologia*. August 15, 1991; 220(3): 189-204.
- Napolitano, G. E.; Ackman, R. G. Lipids and hydrocarbons in *Corophium volutator* from Minas Basin, Nova Scotia, Canada. *Marine Biology*. 1989; 100(3): 333-338.
- Nasci, C.; Campesan, G.; Fossato, V. U.; Tallandini, L.; Turchetto, M. Induction of cytochrome P-450 and mixed function oxygenase activity by low concentrations of polychlorinated biphenyls in marine fish *Zosterisessor ophiocephalus* (Pall). *Aquatic Toxicology*. July 1991; 19(4): 281-290.

- Nasci, C.; et al. Hydrocarbon content and microsomal BPH and reductase activity in mussel Mytilus sp. from the Venice area, northeast Italy. Marine Environmental Research. 1989; 28(1-4): 109-112. Special issue: Fifth International Symposium on Responses of Marine Organisms to Pollutants; April 12-14, 1989; Plymouth, England, UK.
- Nash, R. D. M.; Geffen, A. J. Spatial and temporal changes in the offshore larval fish assemblage in southeastern Lake Michigan. *Journal of Great Lakes Research*. 1991; 17(1): 25-32.
- Nasreldin, H. A.; Taylor, K. C. Dynamic interfacial tension of crude oil/alkali/surfactant systems. *Colloids and Surfaces*. September 21, 1992; 66(1): 23-37.
- National Research Council. Oil in the Sea: Inputs, Fates and Effects. Washington, DC: National Academy Press; 1985. 601 p.
- Neff, J. M. Effects of oil on marine mammal populations: model simulations. *In*: Geraci, J. R. and St. Aubin, D. J.; (Eds.) *Sea Mammals* and Oil: Confronting the Risks. San Diego and London: Academic Press; 1990: 35-54. I-XVI, 1-282.
- Neff, J. M.; Sauer, T. C.; Maciolek, N. Fate and Effects of Produced Water Discharges in Nearshore Marine Waters. Washington, DC: American Petroleum Institute; 1989. 300 p.
- Nicholson, G. J.; Theodoropoulos, T.; Fabris, G. J. Hydrocarbons, pesticides, PCB and PAH in Port Phillip Bay (Victoria) sand flathead. *Marine Pollution Bulletin*. February 1994; 28(2): 115-120.
- Nicolaidou, A.; Zenetos, A.; Panucci, M. A.; Simboura, N. Comparing ecological effects of two different types of pollution using multivariate analysis. *Marine Ecology*. 1993; 14(2): 113-128.
- Nielsen, P. H.; Christensen, T. H. Variability of biological degradation of aromatic hydrocarbons in an aerobic aquifer determined by laboratory batch experiments. *Journal of Contaminant Hydrology*. April 1994; 15(4): 305-320.

- Niimi, A. J. Solubility of organic chemicals in octanol, triolein and cod liver oil and relationships between solubility and partition coefficients. *Water Research*. December 1991; 25(12): 1515-1521.
- Nimlos, M. R.; Milne, T. A. Photothermal oxidative destruction of chloronaphthalene. *Environmental Science and Technology*. 1994; 28(5): 816-822.
- Nondek, L.; Kuzilek, M.; Krupicka, S. LC clean-up and GC/MS analysis of polycyclic aromatic hydrocarbons in river sediment. *Chromatographia*. October 1993; 37(7-8): 381-386.
- Norheim, G.; Skaare, J. U.; Wiig, O. Some heavy metals, essential elements, and chlorinated hydrocarbons in polar bear (*Ursus maritimus*) at Svalbard. *Environmental Pollution*. 1992; 77(1): 51-57.
- Nysewander, D. R.; Byrd, G. V. Effects of the Exxon *Valdez* oil spill on murres: a perspective from observations at breeding colonies. *Pacific Seabird Group Bulletin*. 1993; 20(1): 46. Note: Abstract only.
- O'Connor, T. P. Concentrations of organic contaminants in mollusks and sediments at NOAA National Status and Trend sites in the coastal and estuarine United States.

 Environmental Health Perspectives. January 1991; 90: 69-73. Special issue: Symposium on Chemically Contaminated Aquatic Food Resources and Human Cancer Risk; September 29-30, 1988; Research Triangle Park, NC.
- O'Malley, V. P.; Abrajano, T. A.; Hellou, J. Determination of the C-13/C-12 ratios of individual PAH from environmental samples: can PAH sources be apportioned? *Organic Geochemistry*. June 1994; 21(6-7): 809-822.
- Oakley, K. L.; Kuletz, K. J. Effects of the Exxon Valdez oil spill on pigeon guillemots breeding at Naked Island, Prince William Sound, Alaska. Pacific Seabird Group Bulletin. 1993; 20(1): 45. Note: Abstract only.
- Ogden, P. H. *Chemicals in the Oil Industry*. Boca Raton, FL: Lewis Publishers; 1991. ISBN: 085186466X.

- Oikari, A.; Kukkonen, J.; Virtanen, V. Acute toxicity of chemicals to *Daphnia magna* in humic waters. *Science of the Total Environment*. May 30, 1992; 118: 367-377.
- Olive, J. H.; Jackson, J. L.; Keller, D.; Wetzel, P. Effects of oil field brines on biological integrity of two tributaries of the Little Muskingum River, Southeastern Ohio. *Ohio Journal of Science*. December 1992; 92(5): 139-146.
- Onuska, F. I.; Terry, K. A. Identification and quantitative analysis of nitrogen-containing polycyclic aromatic hydrocarbons in sediments. HRC: Journal of High Resolution Chromatography. 1989; 12(6): 362-367.
- Oshima, Y.; Kobayashi, K.; Hidaka, C.; Izu, S.; Imada, N. Differences in the drug-metabolizing enzyme activities among fish and bivalves living in waters near industrial and non-industrial areas. *Bulletin of Environmental Contamination and Toxicology*. 1991; 53: 106-112.
- Osibanjo, O.; Bangbose, O. Chlorinated hydrocarbons in marine fish and shellfish of Nigeria. *Marine Pollution Bulletin*. December 1991; 21(12): 581-586.
- Østgaard, K. The oil, the water and the phytoplankton. Rai, L. C.; Gaur, J. P.; Soeder C. J.; (Eds.) Archiv für Hydrobiologie: Ergebnisse der Limnologie [Advances in Limnology]. 1994; 42: 167-193 (chapter 6). Special issue: Algae and Water Pollution.
- Oudot, J. Soil pollution by petroleum products and treatments. *Analusis*. March 1994; 22(2): M16-M18.
- Oudot, J.; Dutrieux, E. Hydrocarbon weathering and biodegradation in a tropical estuarine ecosystem. *Marine Environmental Research*. 1989; 27(3-4): 195-214.
- Page, D. S.; (Ed.) Kinetics of aromatic hydrocarbon depuration by oysters impacted by the Amoco Cadiz oil spill. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 243-252.

- Pain, S. Species after species suffers from Alaska's spill. *New Scientist*. February 13, 1993; 137(1860): 5-6.
- Paine, M. D. Effects of incubation in oiled sediment on emergence of capelin (Mallotus villosus) larvae. Archives of Environmental Contamination and Toxicology. 1991; 22(1): 88-98.
- Paine, M. D.; Leggett, W. C.; McRuer, J. K.; Frank, K. T. Effects of Hibernia crude oil on capelin (Mallotus villosus) embryos and larvae. Marine Environmental Research. 1992; 33(3): 159-187.
- Paine, M. D.; Leggett, W. C.; McRuer, J. K.; Frank, K. T. Effects of incubation in oiled sediment on emergence of capelin (*Mallotus villosus*) larvae. *Canadian Journal of Fisheries and Aquatic Sciences*. 1991; 48(11): 2,228-2,239.
- Pandey, A. S.; MacRae, T. H. Toxicity of organic mercury compounds to the developing brine shrimp, *Artemia*. *Ecotoxicology and Environmental Safety*. 1991; 21(1): 68-79.
- Panigrahi, A. K.; Konar, S. K. Influence of petroleum refinery effluent in presence of non-ionic detergent sandozin NIS on fish. Environmental Ecology. 1992; 10(1): 55-59.
- Park, J. K.; Lee, J. S.; Lee, H. H.; Choi, I. S.; Park, S. D. Accumulation of polycyclic aromatic hydrocarbon-induced single strand breaks is attributed to slower rejoining processes by DNA polymerase inhibitor, cytosine arabinoside in CHO-K1 cells. *Life Science*. 1991; 48(13): 1,255-1,261.
- Parker, J. G.; Howgate, P.; Mackie, P. R.; McGill, A. S. Flavour and hydrocarbon assessment of fish from gas fields in the southern North Sea. *Oil and Chemical Pollution*. 1990; 6(4).
- Payne, J. F.; Fancey, L. F. Effect of polycyclic aromatic hydrocarbons on immune responses in fish: change in melanomacrophage centers in flounder *Pseudopleuronectes americanus* exposed to hydrocarbon-contaminated sediments. *Marine Environmental Research*. 1989; 28(1-4): 431-436. Special issue: Fifth International Symposium on Responses of Marine Organisms to Pollutants; April 12-14, 1989; Plymouth, England, UK.

- Peckol, P.; Levings, S. C.; Garrity, S. D. Kelp response following the *World Prodigy* oil spill. *Marine Pollution Bulletin*. October 1990; 21(10): pp. 473-476.
- Pelletier, E.; et al.; (Eds.) Set up of a model food chain in marine mesocosms to study sublethal toxicity of contaminants. Proceedings of the Seventeenth Annual Aquatic Toxicity Workshop: Threshold Biological Response, Predicting and Determining Ecological Relevance; November 5-7, 1990; Vancouver, British Columbia, Canada. 1991; 1-2.
- Pelletier, E.; Ouellet, S.; Paquet, M. Long-term chemical and cytochemical assessment of oil contamination in estuarine intertidal sediments. *Marine Pollution Bulletin*. June 1991; 22(6): 273-281.
- Pendoley, K. Hydrocarbons in Rowley Shelf (western Australia) oysters and sediments. *Marine Pollution Bulletin*. April 1992; 24(4): 210-215.
- Pereira, W. E.; Hostettler, F. D.; Rapp, J. B.
 Bioaccumulation of hydrocarbons derived from terrestrial and anthropogenic sources in the Asian clam, *Potamocorbula amurensis*, in San Francisco Bay estuary. *Marine Pollution Bulletin*. February 1992; 24(2): 103-109.
- Peters, K. E.; Moldowan, J. M. Effects of source, thermal maturity, and biodegradation on the distribution and isomerization of homohopanes in petroleum. *Organic Geochemistry*. 1991; 17. Note: Paper presented orally at the Fourteenth International Meeting on Organic Geochemistry; September 18-22, 1989; Paris, France.
- Petersen, S. P.; Kruse, B.; Jensen, K. Degradation of low toxicity drilling mud base oil in sediment cores. *Marine Pollution Bulletin*. September 1991; 22(9): 452-455.
- Phillips, D. J. H. *Quantitative Aquatic Biological Indicators*. The Netherlands: Elsevier; 1980. 460 p.
- Phillips, D.; Rainbow, P. *Biomonitoring of Trace Aquatic Contaminants*. Oxford: Elsevier; 1994.
- Piatt, J. F.; Lensink, C. J.; Butler, W.; Kendziorek, M.; Nysewander, D. R. Immediate impact of the Exxon *Valdez* oil spill on marine birds. *Auk.* 1990; 1072(2): 387-397.

- Picer, M.; Hocenski, V. Evaluation of modifications of the simple spectrofluorometry method for estimating petroleum hydrocarbon levels in sea sediment samples. *Water Research*. March 1994; 28(3): 619-629.
- Picer, M.; Picer, N. Evaluation of modifications of the simple spectrofluorometry method for estimating petroleum hydrocarbon levels in fresh and waste water samples. *Chemosphere*. 1992; 24(12): 1,825-1,834.
- Picer, M.; Picer, N. Levels and long-term trends of some high molecular chlorinated hydrocarbons in mussels collected from the western Istrian coastal waters: northern Adriatic. *Chemosphere*, 1991; 23(6); 747-759.
- Picer, N.; Picer, M. Inflow, levels and the fate of some persistent chlorinated hydrocarbons in the Rijeka Bay area of the Adriatic Sea: reply. *Water Research*. April 1993; 27(4): 735-737.
- Pickard, C.; Foght, J. M.; Pickard, M. A.; Westlake, D. S. Oil field and freshwater isolates of Shewanella putrefaciens have lipopolysaccharide polyacrylamide gel profiles characteristic of marine bacteria. Canadian Journal of Microbiology. July 1993; 39(7): 715-717.
- Pierce, V. The effects of the Arabian Gulf oil spill on wildlife. Annual Proceedings of the American Association of Zoo Veterinarians. 1991; 370-375.
- Pinto, C. G.; Pavon, J. L. P.; Cordero, B. M. Cloud point preconcentration and high-performance liquid chromatographic determination of polycyclic aromatic hydrocarbons with fluorescence detection. *Analytical Chemistry*. March 15, 1994; 66(6): 874-881.
- Plante-Cuny, M. R.; Salen-Picard, C.; Grez, C.; Plante, R.; Alliot, E.; Barranguet, C. Experimental field study of the effects of crude oil, drill cuttings and natural biodeposits on microphyto- and macrozoobenthic communities in a Mediterranean area. *Marine Biology*. 1993; 117(2): 355-366.

- Poole, C.; Dreyer, N. A.; Satterfield, M. H.; Levin, L.; Rothman, K. J. Kidney cancer and hydrocarbon exposures among petroleum refinery workers. *Environmental Health Perspectives*. December 1993; 101(Suppl. 6): 53-62.
- Poremba, K. Influence of synthetic and biogenic surfactants on the toxicity of water-soluble fractions of hydrocarbons in sea water determined with the bioluminescence inhibition test. *Environmental Pollution*. 1993; 80(1): 25-29.
- Potter, D. W.; Pawliszyn, J. Rapid determination of polyaromatic hydrocarbons and polychlorinated biphenyls in water using solid-phase microextraction and GC/MS. *Environmental Science and Technology*. February 1994; 28(2): 298-305.
- Prasad, M. S. Effects of crude oil on the airbreathing organs of the striped gourami *Colisa fasciatus* a SEM study. *Ecotoxicology and Environmental Safety*. 1989; 18(2): 211-218.
- Prasad, M. S. SEM study on the effects of crude oil on the gills and air breathing organs of climbing perch, *Anabas testudineus*. *Bulletin of Environmental Contamination and Toxicology*. 1991; 47(6): 882-889.
- Premuzic, E. T.; Lin, M. S. Effects of selected thermophilic microorganisms on crude oils at elevated temperatures and pressures: 1989 annual report. 1990; Brookhaven National Laboratory; BNL-43788. 43 p. (Rep[orts of the] Brookhaven National Laboratory).
- Pruell, R. J. Geochemical study of sediment contamination in New Bedford Harbor, Massachusetts, USA. *Marine Environmental Research*. 1990; 29(2): 77-102.
- Pudo, J. K.; Fubara, D. M. Studies on periphyton algae in the petroleum oil spillages area of the Niger Delta aquatic system. *Congress in New Zealand 1987: Proceedings.* 1988: 2,259-2,261.
- Pundir, R.; Saxena, A. B. Chronic toxic exposure of cadmium on the pituitary gland of fish *Puntius ticto* and pattern of recoupment. *Journal of Environmental Biology*. January 1992; 13(1): 69-74.

- Pzeshki, S. R.; DeLaune, R. D. Effect of crude oil on gas exchange functions of *Juncus roemerianus* and *Spartina alterniflora*. *Water*, *Air and Soil Pollution*. 1993; 68(3-4): 461-468.
- Qian, L.; Hirono, S.; Matsushita, Y.; Moriguchi, I. QSARs based on fuzzy adaptive least-squares analysis for the aquatic toxicity of organic chemicals. *Environmental Toxicology and Chemistry*. July 1992; 11(7): 953-959.
- Quick, M. P. Suspected hydrocarbon poisoning of swans and guillemots. *Journal of the Forensic Sciences Society*. 1993; 33(3): 143-148. Note: In English with German, French and Spanish summaries.
- Quinn, K. Modelling of the ageing of crude oils. *Oil and Chemical Pollution*, 1990; 7(2): 119-128.
- Quinn, M. F. Modelling of the ageing of crude oils.

 Oil and Chemical Pollution. 1991; 22(4): 207209
- Quinterno, P. J.; Carkin, B. A. Benthic foraminifers from Prince William Sound, Alaska: one year after the Exxon *Valdez* oil spill. Carlson, P. R.; (Ed.) Sediment of Prince William Sound, beach to deep fjord floor, a year after the Exxon *Valdez* oil spill. Fairbanks, AK: Alaska Division of Geology and Geophysics Survey; 1991. 31-68. (US Geological Survey Open File Report; OP-91-0631).
- Quintero, S.; Díaz, C. Aliphatic hydrocarbons in fish from the Canary Islands. *Marine Pollution Bulletin*. January 1994; 28(1): 44-49.
- Raaymakers, S. Great Barrier Reef and operational oil discharges. *Australian Marine Science Bulletin*. April 1993; 122: 12-13.
- Raha, A.; Reddy, V.; Xu, L. C.; Houser, W. H.; Bresnick, E. Presence of the 4S polycyclic hydrocarbon-binding protein in H4-II-E cells. *Toxicology*. February 1991; 66(2): 175-186.
- Ralls, K.; Siniff, D. B.; Doroff, A.; Mercure, A. Movements of sea otters relocated along the California coast. *Marine Mammal Science*. 1992; 8(2): 178-184.
- Ram, A.; Kadam, A. N. Petroleum hydrocarbon concentration in sediments along northern west coast of India. *Indian Journal of Marine Sciences*. September 1991; 20(3): 223-225.

- Ramamurthy, V. D. Effects of oil pollution on bio ecology and fisheries on certain enclosed coastal regions of Arabian Sea. *Marine Pollution Bulletin*. 1991; 23: 239-45. Special issue: Environmental Management and Appropriate Use of Enclosed Coastal Seas (EMECS '90): Proceedings of International Conference on the Environmental Management of Enclosed Seas '90; August 3-6, 1990; Kobe, Hyogo Prefecture, Japan.
- Rasul, C. G.; Chapalamadugu, S. Biodegradation of halogenated organic compounds. *Microbiol. Rev.* 1991; 55(1): 59-79, IIA.
- Rawson, D. M.; Richardson, N. J.; Willmer, A. J. Biosensors for pollutant detection and toxicity assessment. *Environmental Protection, Control* and Monitoring. 1991; 99-111.
- Ray, J. P.; Fucik, K. W.; O'Reilly, J. E.; Chai, E. Y.; LaMotte, L. R.; Engelhardt, F. R.; et al. Drilling fluid toxicity test: variability in US commercial laboratories. In: Drilling Wastes. 1989.
- Ray, S.; Dunn, B. P.; Payne, J. F.; Fancey, L.; Helbig, R.; Beland, P. Aromatic DNA-carcinogen adducts in beluga whales from the Canadian Arctic and Gulf of St. Lawrence. *Marine Pollution Bulletin*. August 1991; 22(8): 392-396.
- Reddy, T. V.; Stober, J. A.; Olson, G. R.; Daniel, F. B. Induction of nuclear anomalies in the gastrointestinal tract by polycyclic aromatic hydrocarbons. *Cancer Letters*. March 1991; 56(3): 215-224.
- Reed, D. C.; Lewis, R. J. Effects of an oil and gasproduction effluent on the colonization potential of giant kelp (*Macrocystis pyrifera*) zoospores. *Marine Biology*. May 1994; 119(2): 277-283.
- Reiersen, L. O.; (Ed.) The effect of the water soluble fraction of North Sea crude oil on the transport mechanism of taurine in erythrocytes from flounder, *Platichthys flesus* (L.). Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 89-100.

- Reish, D. J.; Oshida, P. S.; Mearns, A. J.; Ginn, T. C. Effects of pollution on saltwater organisms. *Water Environment Research*. June 1993; 65(4): 573-585.
- Reish, D. J.; Oshida, P. S.; Mearns, A. J.; Ginn, T. C. Effects of pollution on saltwater organisms. *Water Environment Research*. June 1994; 66(4): 623-635.
- Reish, D. J.; Oshida, P. S.; Mearns, A. J.; Ginn, T. C. Effects on saltwater organisms. *Research Journal of the Water Pollution Control Federation*. June 1991; 63(4): 696-709.
- Retzlaff, W. A.; Barnett, W. W.; Williams, L. E.; Dejong, T. M. Ozone air pollution increases petroleum spray oil phytotoxicity. *Hortscience*. February 1994; 29(2): 93-94.
- Rice, D. W.; Seltenrich, C. P.; Spies, R. B.; Keller, M. L. Seasonal and annual distribution of organic contaminants in marine sediments from Elkhorn Slough, Moss Landing Harbor and Nearshore Monterey Bay, California. *Environmental Pollution*. 1993; 82(1): 79-91.
- Richardson, W. J.; Greene, C. R.; Koski, W. R.;
 Malme, C. I.; Miller, G. W. Acoustic effects of
 oil-production activities on bowhead and white
 whales visible during spring migration near Pt.
 Barrow, Alaska, 1989 phase: sound
 propagation and whale responses to playbacks
 of continuous drilling noise from an ice
 platform, as studied in pack ice conditions,
 final report. LGL Ltd. Environmental Research
 Associates, King City, Ontario, Canada; July
 1990.
- Richardson, W. J.; Hickie, J. P.; Davis, R. A.; Thomson, D. H.; Greene, C. R. Effects of offshore petroleum operations on cold water marine manmals: a literature review. *API Publication*. 1989; 4485(I-XXV): 1-385.
- Richardson, W. John; Wursig, B.; Greene, Jr., Charles R. Reactions of bowhead whales, Balaena mysticetus, to drilling and dredging noise in the Canadian Beaufort Sea. Marine Environmental Research. 1990; 29(2): 135-160.
- Riebel, P. N.; Percy, J. A. Acute toxicity of petroleum hydrocarbons to the Arctic shallowwater mysid *Mysis oculata* (Fabricius). *Sarsia*. 1990; 75(3): 223-232.

- Riegl, B.; Velimirov, B. How many damaged corals in Red Sea reef systems: a quantitative survey. *Hydrobiologia*. June 28, 1991; 216: 249-256.
- Rivet, L.; Mille, G.; Basseres, A.; Ladousse, A.; Gerin, C.; Acquaviva, M.; Bertrand, J. C. Nalkane biodegradation by a marine bacterium in the presence of an oleophilic nutriment. *Biotechnology Letters*, 1993; 15(6): 637-640.
- Robertson, A.; Gottholm, B. W.; Turgeon, D. D.; Wolfe, D. A. A comparative study of contaminant levels in Long Island Sound. *Estuaries*. 1991; 14(3).
- Roby, D. D. Potential restoration options for common murres in the aftermath of the Exxon *Valdez* oil spill. *Pacific Seabird Group Bulletin*. 1993; 20(1): 47. Note: Abstract only.
- Rodway, M. S.; Lemon, M. J. F.; Summers, K. R. Seabird breeding populations in the Scott Islands on the west coast of Vancouver Island, 1982-1989. Vermeer, K.; Butler, R. W.; Morgan, K. H.; (Eds.) The Ecology, Status and Conservation of Marine and Shoreline Birds on the West Coast of Vancouver Island; April 8, 1991; Sidney, British Columbia, Canada. Ottawa, Ontario, Canada: Canadian Wildlife Service; 1992: 52-59. (Occasional Papers of the Canadian Wildlife Service; v. 75). ISBN: 0662200047.
- Roesijadi, G. Metallothioneins in metal regulation and toxicity in aquatic animals. *Aquatic Toxicology*. April 1992; 22(2): 81-114.
- Roesijadi, G.; Spies, R. B.; (Eds.) Marine
 Environmental Research. 1989; 28(1-4): 1-545
 p. Special issue: Responses of Marine
 Organisms to Pollutants: The Fifth
 International Symposium of Responses of
 Marine Organisms to Pollutants; 12-14 April
 1989; Plymouth, Devon, UK; Moore, Michael
 N. and John J. Stegeman; Guest (Eds.); Essex,
 England: Elsevier Applied Science; 1989.
- Rogers, J. E. Role of microorganisms in the bioremediation of the oil spill in Prince William Sound, Alaska. *Ecol[ological] Res[earch] Series* US Environmental Protection Agency. 1990; EPA 600/D-90/119.

- Roghair, C. J.; Buijze, A.; Yedema, E. S. E.; Hermens, J. L. M. A QSAR for base-line toxicity to the midge *Chironomus riparius*. *Chemosphere*. March 1994; 28(5): 989-997.
- Rokade, M. A.; Bhosale, N. B.; Kadam, A. N. Extractable organics in surface sediments from Thana Creek and Bombay Harbour, India. *Indian Journal of Marine Sciences*. 1989; 18(2): 131-133.
- Roman, M. R. Pathways of carbon incorporation in marine copepods: effects of developmental stage and food quantity. *Limnology and Oceanography*. June 1991; 36(4): 796-807.
- Rontani, J. F. Identification by GC/MS of acidic compounds produced during the photosensitized oxidation of normal and isoprenoid alkanes in seawater. *International Journal of Environmental Analytical Chemistry*. 1991; 45(1): 1-9.
- Rosnes, J. T.; Graue, A.; Lien, T. Activity of sulfatereducing bacteria under simulated reservoir conditions. *Proceedings of the Ninth Society of Petroleum Engineers (SPE) Symposium on Formation Damage Control.* 1990.
- Rosselló-Mora, R. A.; Lalucat, J.; García-Valdés, E. Comparative biochemical and genetic analysis of naphthalene degradation among *Pseudomonas stutzeri* strains. *Applied and Environmental Microbiology*. March 1994; 60(3): 966-972.
- Rostad, C. E.; Pereira, W. E. Analysis of chlorinated organic compounds in estuarine biota and sediments by chemical ionization tandem mass spectrometry. *Biomedical Environmental Mass Spectrometry*, 1989; 18(7): 464-470.
- Roy, S.; Siron, R.; Pelletier, E. Comparison of radiocarbon uptake and DCMU-fluorescence techniques in evaluating dispersed oil effects on phytoplankton photosynthetic activity. *Water Research*. October 1991; 25(10): 1,249-1,254.

- Roy, S.; Siron, R.; Pelletier, E. Indice de fluorescence algale et variations de pH appliques a l'etude des effets du petrole disperse sur le phytoplancton [An index of algal fluorescence and pH variation applied to the study of effects of dispersed petroleum on marine phytoplankton]. Water Pollution Res[earch] Journal of Canada. 1993; 28(4): 723-742.
- Rozas, L. P. Comparison of nekton habitats associated with pipeline canals and natural channels in Louisiana salt marshes. *Wetlands*. 1992; 12(2): 136-146.
- Rushing, J. H. Bioaccumulation from mineral oil-wet and synthetic liquid-wet cuttings in an estuarine fish, Fundulus grandis. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Rybolt, T. R.; Olson, D. R. Correlation of Henry's Law, virial coefficients for the adsorption of hydrocarbons and chlorofluorocarbons on microporous solids. *Journal of Colloid and Interface Science*. March 15, 1994; 163(2): 303-308.
- Sadiq, M.; Mian, A. A. Lead, titanium and zinc in air particulate at Dhahran, Saudi Arabia, during and after Kuwait oil fires. *Science of the Total Environment*. August 2, 1994; 152(2): 113-118.
- Sadiq, M.; Zaidi, T. H.; Al-Mohana, H. Barium bioaccumulation in clams collected from different salinity regimes along the Saudi Coast of the Arabian Gulf. *Bulletin of Environmental Contamination and Toxicology*. 1990; 45(3): 329-335.
- Safferman, S. I. Selection of nutrients to enhance biodegradation for the remediation of oil spilled on beaches. US Environmental Protection Agency, Risk Reduction Engineering Laboratory; 1991; EPA/600/D-91/212.
- Salanitro, J. P.; Diaz, L. A.; Williams, M. P.; Wisniewski, H. L. Isolation of a bacterial culture that degrades methyl t-butyl ether. *Applied and Environmental Microbiology*. July 1994; 60(7): 2593-2596.

- Saliot, A.; Laureillard, J.; Scribe, P.; Sicre, M. A. Evolutionary trends in the lipid biomarker approach for investigating the biogeochemistry of organic matter in the marine environment. *Marine Chemistry*. December 1991; 36(1-4): 233-248.
- Sami, S.; Faisal, M.; Huggett, R. J. Alterations in cytometric characteristics of hemocytes from the American oyster *Crassostrea virginica* exposed to a polycyclic aromatic hydrocarbon (PAH) contaminated environment. *Marine Biology*. 1992; 113(2): 247-252.
- Sami, S.; Faisal, M.; Huggett, R. J. Effects of laboratory exposure to sediments contaminated with polycyclic aromatic hydrocarbons on the hemocytes of the American oyster *Crassostrea virginica*. *Marine Environmental Research*. 1993; 35(1-2): 131-135. Special issue: Sixth International Symposium on the Responses of Marine Organisms to Pollutants, Part 2; April 24, 1992; Woods Hole, MA; Stegeman, J. J.; Moore, M. N.; Hahn, M. E.; (Eds.)
- Sarkar, A. Evaluation of the toxicity of organic matter in marine sediments. *Water Science and Technology*. 1992; 25(3): 255-257.
- Sarkar, A. Inflow, levels and the fate of some persistent chlorinated hydrocarbons in the Rijeka Bay area of the Adriatic Sea. *Water Research*. April 1993; 27(4): 733-734.
- Sarojini, R.; Khan, A. K.; Nagabhushanam, R. Effect of petroleum hydrocarbons (petrol and diesel) on the physiology of the crab, *Barytelphusa cunicularis*, I: oxygen consumption. *Journal of Environmental Biology*. October 1989; 10(4): 363.
- Sasaki, S.; Ota, T.; Takagi, T. Hydrocarbon composition of salmon in the Gulf of Alaska. *Nippon Suisan Gakkaishi*. May 1993; 59(5): 801-806.
- Sasaki, S.; Ota, T.; Yamaguchi, H.; Takagi, T. Hydrocarbon components of salmon in the Gulf of Alaska. Nippon Suisan Gakkaishi. January 1991; 57(1): 111-117.
- Sasson-Brickson, G.; Burton, Jr., G. A. In situ and laboratory sediment toxicity testing with *Ceriodaphnia dubia. Environmental Toxicology and Chemistry.* 1991; 10(2): 201-207.

- Sato, C.; Kim, H.; Tanacredi, J. T. Characterization of polycyclic aromatic hydrocarbons (PAHs) by the kinetics of depuration in bivalve molluscs, *Mercenaria mercenaria. Water Science and Technology.* 1992; 25(3): 33-38.
- Savari, A.; Lockwood, A. P. M.; Sheader, M. Variations in the physiological state of the common cockle (*Cerastoderma edule* (L.)) in the laboratory and in Southampton water. *Journal of Molluscan Studies*. 1991; 57(1): 33-44
- Sawyer, D. C.; Williams, T. D. Chemical restraint and anesthesia of sea otters affected by the oil spill in Prince William Sound, Alaska. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 357-361.
- Saxton, W. L.; Newton, R. T.; Rorberg, J.; Johnson, L. E. Polycyclic aromatic hydrocarbons in seafood from the Gulf of Alaska following a major crude oil spill. *Bulletin of Environmental Contamination and Toxicology*. October 1993; 51(4): 515-522.
- Schantz, M. M.; Koster, B. J.; Wise, S. A.; Becker, P. R. Determination of PCBs and chlorinated hydrocarbons in marine mammal tissues. *Science of the Total Environment*. November 1, 1993; 140: 323-345.
- Schepart, B. S.; Hyzy, J. B.; Jorgenson, M. T.
 Laboratory evaluation of biodegradation of
 crude oil contaminated tundra soil.

 Proceedings of the Fifteenth Arctic and Marine
 Oilspill Program Technical Seminar; June 1012, 1992; Edmonton, Alberta, Canada. Ottawa,
 Ontario, Canada: Environment Canada; 1992:
 689-714. ISBN: 0662590503.
- Scherrer, P.; Mille, G. Biodegradation of crude oil in an experimentally polluted peaty mangrove soil. *Marine Pollution Bulletin*. September 1989; 20(9): 430-432.
- Schlautman, M. A.; Morgan, J. J. Binding of a fluorescent hydrophobic organic probe by dissolved humic substances and organically-coated aluminum oxide surfaces.

 Environmental Science and Technology.

 November 1993; 27(12): 2,523-2,532.

- Schlekat, C. E.; McGee, B. L.; Reinharz, E. Testing sediment toxicity in Chesapeake Bay with the amphipod *Leptocheirus plumulosus*: an evaluation. *Environmental Toxicology and Chemistry*. 1992; 11(2): 225-236.
- Schloesser, D. W. Distribution of hexagenia nymphs and visible oil in sediments of the upper Great Lakes connecting channels. In: Environmental Assessment and Habitat Evaluation of the Upper Great Lakes Connecting Channels. 1991: 345-352.
- Scholten, M.; (Ed.) The effects of oil and chemically dispersed oil on natural phytoplankton communities. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 173-185.
- Scholten, M.; (Ed.) The effects of oil pollution on interacting salt marsh species. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 225-228.
- Schrap, S. M.; Devries, P. J.; Opperhuizen, A. Experimental problems in determining sorption coefficients of organic chemicals: an example for chlorobenzenes. *Chemosphere*. March 1994; 28(5): 931-945.
- Schulz, D.; Passeri, A.; Schmidt, M. Screening for biosurfactants among crude oil degrading marine microorganisms. *Kieler Meeresforschungen*. 1991; 8. Special issue: Proceedings of the Fourth European Marine Microbiology Symposium; October 8-12, 1990; Kiel, Ostseebad Damp, Germany.
- Scribe, P.; Ngoumbinzouzi, J. S.; Fuche, C.; Pepe, C.; Saliot, A. Biogeochemistry of organic matter in Lake Geneva .1. Particulate hydrocarbons as biogenic and anthropogenic molecular markers. *Hydrobiologia*. November 22, 1990; 207: 319-331.
- Seip, K. L. Damages to seabirds from oil spills: comparing simulation results and vulnerability indexes. *Ecological Modelling*. 1991; 53(1-2): 39-59.

- Sepkoski, J. J. A model of onshore-offshore change in faunal diversity. *Paleobiology*. December 1991; 17(1): 58-77.
- Serrazanetti, G. P.; Conte, L. S.; Carpene, E.; Bergami, C.; Fondaumani, S. Distribution of aliphatic hydrocarbons in plankton of Adriatic Sea open waters. *Chemosphere*. 1991; 23(7): 925-938.
- Serrazanetti, G. P.; Conte, L. S.; Cortesi, P.; Totti, C.; Viviani, R. Seasonal variations of aliphatic hydrocarbons in *Sardina pilchardus* (Walb) (Teleostei, Clupeidae) tissues. *Marine Chemistry*. January 1991; 32(1): 9-18.
- Setzler-Hamilton, E. M.; Oliver, G. W. Right whale, *Balaena glacialis*, bibliography: final report. December 1989.
- Shane, S. H. Protecting sea otters from oil spills: recommendations based on the Alaska experience. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 432-436.
- Sharpe, E. Sea otter release site selection and postrelease activities along the Kenai Peninsula, Alaska. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 421-427.
- Shaw, D. G.; (Ed.) *Hydrocarbons With Water and Seawater, Part I: Hydrocarbons C5-C7*. New York: Pergamon; 1988. 548 p.
- Shaw, D. G.; (Ed.) *Hydrocarbons With Water and Seawater, Part II: Hydrocarbons C8-C36*. New York: Pergamon; 1988. 584 p.
- Shinozuka, N.; Lee, Chang. Aggregate formation of humic acids from marine sediments. *Marine Chemistry*. 1991; 33(3).
- Siegel, B. Z.; Siegel, S. M.; Correa, T.; Dagan, C.; Galvez, G.; Lee Loy, L.; Padua, A.; Yaeger, E. The protection of invertebrates, fish, and vascular plants against inorganic mercury poisoning by sulfur and selenium derivatives. *Archives of Environmental Contamination and Toxicology*. February 1991; 20(2): 241-246.
- Simonich, S. L.; Hites, R. A. Importance of vegetation in removing polycyclic aromatic hydrocarbons from the atmosphere. *Nature*. July 7, 1994; 370: 49-51.

- Simonich, S. L.; Hites, R. A. Vegetation-atmosphere partitioning of polycyclic aromatic hydrocarbons. *Environmental Science and Technology*, 1994; 28(5): 939-943.
- Singer, M. M.; Smalheer, D. L.; Tjeerdema, R. S.; Martin, M. Effects of spiked exposure to an oil dispersant on the early life stages of four marine species. *Environmental Toxicology and Chemistry*. 1991; 10(10): 1,367-1,374.
- Singer, M. M.; Smalheer, R. S.; Tjeerdema, R. S.; Martin, M. Toxicity of an oil dispersant to the early life stages of four California marine species. *Environmental Toxicology and Chemistry*. 1990; 9(11): 1,387-1,395.
- Singh, A. K.; Gaur, J. P. Effects of petroleum oils and their paraffinic, asphaltic, and aromatic fractions on photosynthesis and respiration of microalgae. *Ecotoxicology and Environmental Safety*. 1990; 19(1): 8-16.
- Singh, A. K.; Gaur, J. P. Inhibition of NO₃-, NH₄+, and (PO₄)₃-uptake in *Anabaena doliolum* exposed to a petroleum oil. *Ecotoxicology and Environmental Safety*. April 1991; 21(2): 103-108.
- Singh, A. K.; Kumar, H. D. Inhibitory effect of petroleum oil on photosynthetic electron trans[fer] system in the cyanobacterium Anabaena doliolum. Bulletin of Environmental Contamination and Toxicology. December 1991; 47(6): 890-895.
- Singh, J. G.; Changyen, I.; Stoute, V. A.; Chatergoon, L. Hydrocarbon levels in edible fish, crabs and mussels from the marine environment of Trinidad. *Marine Pollution Bulletin*. May 1992; 24(5): 270-272.
- Singleton, I. Microbial metabolism of xenobiotics: fundamental and applied research. *Journal of Chemical Technology and Biotechnology*. January 1994; 59(1): 9-23.
- Siron, R.; Giusti, G.; Berland, B.; Moralesloo, R.; Pelletier, E. Water-soluble petroleum compounds: chemical aspects and effects on the growth of microalgae. *Science of the Total Environment*. May 15, 1991; 104(3): 211-227.

- Siron, R.; Pelletier, E.; Delille, D.; Brochu, C. Reponse de la flore bacterienne de l'estuaire du Saint Laurent a un deversement de petrole [Response of bacterial flora in the St. Lawrence estuary to an eventual oil spill]. Water Pollution Res[earch] Journal of Canada. 1993; 28(2): 385-414. Note: In French.
- Siskin, M.; Katritzky, A. R. Reactivity of organic compounds in hot water: geochemical and technological implications. *Science*. October 10, 1991; 254(5029): 231-237.
- Sjoblom, J.; Li, M. Y.; Christy, A. A.; Gu, T. R. Water-in-crude-oil emulsions from the Norwegian continental shelf .7. Interfacial pressure and emulsion stability. *Colloids and Surfaces*. September 21, 1992; 66(1): 55-62.
- Sjoetun, K.; Lein, T. E. Experimental oil exposure of Ascophyllum nodosum (L.) Le Jolis. Journal of Experimental Marine Biology and Ecology. August 1993; 170(2): 197-212.
- Skjolda, H. R.; (Ed.) Oil pollution and plankton dynamics .4. Summary of enclosure experiments in Lindaaspollene, Norway, with special emphasis on the balance between autotrophic and heterotrophic processes. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 159-172.
- Smith, C. M.; Hackney, C. T. The effects of hydrocarbons on the setting of the American oyster *Crassostrea virginica* in intertidal habitats in southeastern North Carolina, USA. *Estuaries*. 1989; 12(1): 42-48.
- Smith, I. R.; Portt, C. B.; Rokosh, D. A. Hepatic mixed function oxidases induced in populations of white sucker, *Catostomus commersoni*, from areas of Lake Superior and the St. Marys River. *Journal of Great Lakes Research*. 1991; 17(3): 382-393.
- Snell, T. W.; Moffat, B. D.; Janssen, C.; Persoone, G. Acute toxicity tests using rotifers .III. Effects of temperature, strain, and exposure time on the sensitivity of *Brachionus plicatilis*. *Environmental Toxicology and Water Quality*. 1991; 6(1): 63-75.

- Snyder-Conn, E.; Densmore, D.; Moitoret, C.; Stroebele, J. Persistence of trace metals in shallow Arctic marine sediments contaminated by drilling effluents. *Oil and Chemical Pollution*. 1991; 7(3): 225-237.
- Soler, M.; Grimalt, J. O.; Albaiges, J. Vertical distribution of aliphatic and aromatic hydrocarbons in mussels from the Amposta offshore oil production platform (western Mediterranean). *Chemosphere*. 1989; 18(9-10): 1,809-1,820.
- Sophia, A. J. A.; Balasubramanian, T. Changes in the physical condition of *Meretrix casta* exposed to water-soluble fractions of refined and crude oil. *Archives of Environmental Contamination and Toxicology*. May 1992; 22(4): 471-474.
- Sorkhoh, N. A.; Ghannoum, H. M. A. Crude oil and hydrocarbon-degrading strains of *Rhodococcus* rhodochrous isolated. *Environmental Pollution*. 1990; 65(1): 1-17.
- Soule, D. F.; Kleppel, G. S.; (Eds.) Marine Organisms as Indicators. New York: Springer-Verlag; 1988. 342 p.
- Spraker, T. R.; Frost, K.; Calkins, D. Histological lesions found in several marine mammals collected following the Exxon *Valdez* oil spill, March 1989. *AAZV* (American Association of Zoo Veterinarians) *and AAWV* (American Association of Wildlife Veterinarians) *Annual Proceedings*. 1992: 60. Note: Abstract only.
- St. Aubin, D. J.; Lounsbury, V. Oil effects on manatees: evaluating the risks. Synthesis of effects of oil on marine mammals. Ontario Veterinary College, Guelph Department of Pathology; September 1988; OCS Study MMS 88-0049; W90-02439. 246-258.
- Stacey, B. M.; Marcotte, B. M. Chronic effect of No. 2 fuel oil on population dynamics of harpacticoid copepods in experimental marine mesocosms. *Marine Ecology Progress Series*. 1987; 40(1-2): 61-68.
- Stahl, R. G. The genetic toxicology of organic compounds in natural waters and wastewaters. *Ecotoxicology and Environmental Safety*. August 1991; 22(1): 94-125.

- Stalker, M. J.; Kirby, G. M.; Kocal, T. E.; Smith, I. R.; Hayes, M. A. Loss of glutathione stransferases in pollution-associated liver neoplasms in white suckers (*Catostomus commersoni*) from Lake Ontario. *Carcinogenesis*. 1991; 12(12): 2,221-2,226.
- Starostin, L.; Witkiewicz, Z. Environmental water samples preparation for chemical analysis. *Chemia Analityczna*. 1994; 39(3): 263-279.
- Steadman, B. L.; Farag, A. M.; Bergman, H. L. Exposure-related patterns of biochemical indicators in rainbow trout exposed to No. 2 fuel oil. *Environmental Toxicology and Chemistry*. 1991; 10(3): 365-374.
- Steadman, B. L.; Stubblefield, W. A.; Lapoint, T. W.; Bergman, H. L.; Kaiser, M. S. Decreased survival of rainbow trout exposed to No. 2 fuel oil caused by sublethal preexposure. Environmental Toxicology and Chemistry. 1991; 10(3): 355-363.
- Stebbing, A. R. O.; Soria, S. Water quality bioassays in two Bermudan harbours using the ciliate *Euplotes vann. Journal of Experimental Marine Biology and Ecology.* 1990; 138(1/2): 159-166.
- Stegeman, J. J.; Lech, J. J. Cytochrome P-450 monooxygenase systems in aquatic species: carcinogen metabolism and biomarkers for carcinogen and pollutant exposure.

 Environmental Health Perspectives. January 1991; 90: 101-109.
- Stegeman, J. J.; Woodin, B. R.; Goksøyr, A.

 Apparent cytochrome P-450 induction as an indication of exposure to environmental chemicals in the flounder *Platichthys flesus*.

 Marine Ecology Progress Series. 1988; 46(1-3). Special issue: Practical Workshop on Biological Effects of Pollutants.
- Steinberg, S. M.; Poziomek, E. J.; Engelmann, W. H. A review of applications of luminescence to monitoring of chemical contaminants in the environment. *Chemosphere*. May 1994; 28(10): 1,819-1,857.

- Steinhauer, M. S.; Boehm, P. D. The composition and distribution of saturated and aromatic hydrocarbons in nearshore sediments, river sediments, and coastal peat of the Alaskan Beaufort Sea: implications for detecting anthropogenic hydrocarbon inputs. *Marine Environmental Research*. 1992; 33(4): 223-253.
- Steinheimer, T. R.; Pfeiffer, R. L.; Scoggin, K. D. Extraction of atrazine, cyanazine, desethylatrazine, desisopropylatrazine, and metolachlor from fortified western combelt soils by SFE with CO₂. *Analytical Chemistry*. March 1, 1994; 66(5): 645-650.
- Stephenson, M. T. Components of produced water: a compilation of industry studies. *JPT: Journal of Petroleum Technology*. May 1992; 44(5): 548-550+.
- Stephenson, M. T. Components of produced water: a compilation of results from several industry studies. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Stetter, K. O.; Huber, R.; Bloechl, E.; Kurr, M.; Eden, R. D.; Fielder, M.; Cash, H.; Vance, I. Hyperthermophilic archaea are thriving in deep North Sea and Alaskan oil reservoirs. *Nature*. October 1993; 365(6448): 743-745.
- Steward, A. R.; Kandaswami, C.; Chidambaram, S.; Ziper, C.; Rutkowski, J. P.; Sikka, H. C. Disposition and metabolic fate of benzo<a>pyrene in the common carp. Aquatic Toxicology. October 1991; 20(4): 205-218.
- Stickle, W. B. The effects of environmental factor gradients on the tolerance and bioenergetics of juvenile blue crabs. *Bulletin of Marine Science*. 1990; 46(1): 1-250. Special issue: Blue Crab Conference; May 15-17, 1988; Virginia Beach, VA.
- Stokes, P. M.; (Ed.) Ecotoxicology and the Aquatic Environment: Proceedings of a Pre-Conference Seminar; June 1980; Edmonton, Alberta, Canada. New York: Pergamon; 1981. 182 p. Note: Held in conjunction with the Tenth IAWPRC Conference; previously published as a supplement to Water Science and Technology.

- Stott, G. G.; McArthur, N. H.; Tarpley, R.; Jacobs, V.; Sis, R. F. Histopathologic survey of ovaries of fish from petroleum production and control sites in the Gulf of Mexico. *Journal of Fish Biology*, 1981; 18(3).
- Strömgren, T.; Nielsen, M. V.; Reiersen, L. O. The effect of hydrocarbons and drilling fluids on the fecal pellet production of the deposit feeder *Abra alba. Aquatic Toxicology*. February 1993; 24(3-4): 275-286.
- Strömgren, T.; Nielsen, M. V. Spawning frequency, growth and mortality of *Mytilus edulis* larvae, exposed to copper and diesel oil. *Aquatic Toxicology*. December 1991; 21(3-4): 171-180.
- Stronkhorst, J.; Vos, P. C.; Misdorp, R. Trace metals, PCBs, and PAHs in benthic (epipelic) diatoms from intertidal sediments: a pilot study. Bulletin of Environmental Contamination and Toxicology. June 1994; 52(6): 818-824.
- Stronkhorst, J.; Yserbaert, T. J.; Meininger, P. L.; Dirksen, S.; Boudewijn, T. J. Contaminants in eggs of some waterbird species from the Scheldt Estuary, SW Netherlands. *Marine Pollution Bulletin*. October 1993; 26(10): 572-578.
- Suri, R. P. S.; Liu, J.; Hand, D. W.; Crittenden, J. C.; Perram, D. L.; Mullins, M. E. Heterogeneous photocatalytic oxidation of hazardous organic contaminants in water. Water Environment Research. July 1993; 65(5): 665-673.
- Sutherland, J. B. Detoxification of polycyclic aromatic hydrocarbons by fungi. *Journal of Industrial Microbiology*. January 1992; 9(1): 53-61.
- Swan, M. Ground water quality at Kenai Peninsula, Alaska. *Geotimes*. 1991; 36(12): 18-20.
- Swartz, R. C.; Schults, D. W.; Lamberson, J. O.; Ozretich, R. J.; Stull, J. K. Vertical profiles of toxicity, organic carbon, and chemical contaminants in sediment cores from the Palos Verdes Shelf and Santa Monica Bay, California. Marine Environmental Research. 1991; 31(3): 215-225.

- Syvokiene, J.; Mickeniene, L.; Lazauskiene, L.; Sabaliuniene, I.; Repecka, R.; Vaitonis, G. Mikroorganizmy assotsiirovannye s kishechnikom gidrobiontov [Microorganisms associated with the intestinal tract of hydrobionts]. *Ekologija Ehkologiya Ecology*. 1992; 3: 3-15. Note: In Russian.
- Tahir, A.; Fletcher, T. C.; Houlihan, D. F.; Secombes, C. J. Effect of short-term exposure to oil-contaminated sediments on the immune response of dab, *Limanda limanda* (L.). *Aquatic Toxicology*. October 1993; 27(1/2): 71-82.
- Tanacredi, J. T.; Cardenas, R. R. Biodepuration of polynuclear aromatic hydrocarbons from a bivalve mollusc, *Mercenaria mercenaria* L. *Environmental Science and Technology*. August 1991; 25(8): 1,453-1,461.
- Tasker, M.; Heubeck, M. Shetland oil spill, impact on birds. *Seabird Group Newsletter*. 1993; 64: 2.
- Terashi, A.; Hanada, Y.; Kido, A.; Ishikawa, S. Organic compounds found in Dokai Bay, Japan. *Bulletin of Environmental Contamination and Toxicology*. 1993; 50(3): 348-355.
- Thomas, J. D. Biological monitoring and tropical biodiversity in marine environments: a critique with recommendations, and comments on the use of amphipods as bioindicators. *Journal of Natural History*. July 1993; 27(4): 795-806.
- Thompson, M. F.; Sarojini, R.; Nagabhushanam, R. Bioactive compounds from marine organisms with emphasis on the Indian Ocean. Indo-United States Symposium: Bioactive Compounds from Marine Organisms with Emphasis on the Indian Ocean; February 1989; Goa, [India]. 1991.
- Thorhaug, A.; (Ed.) Effects of seven dispersants on growth of three subtropical tropical Atlantic seagrasses. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 201-205.

- Thouzeau, G.; Vine, R. Offshore sampling of the megabenthos: techniques applied on Georges Bank (northwest Atlantic). *Comptes Rendus de L' Academie Des Sciences Serie III-Sciences de La Vie.* June 6, 1991; 312(12): 607-613. Note: In French.
- Tillitt, D. E.; Ankley, G. T.; Giesy, J. P. Planar chlorinated hydrocarbons (PCHs) in colonial fish-eating waterbird eggs from the Great Lakes. Fifth Symposium on Responses of Marine Organisms to Pollutants. 1989: 505-508.
- Tillitt, D. E.; Ankley, G. T.; Verbrugge, D. A.; Giesy, J. P.; Ludwig, J. P.; Kubiak, T. J. H4IIE rat hepatoma cell bioassay-derived 2,3,7,8-tetrachlorodibenzo-para-dioxin equivalents in colonial fish-eating waterbird eggs from the Great Lakes. Archives of Environmental Contamination and Toxicology. July 1991; 21(1): 91-101.
- Tjeerdema, R. S.; et al.; (Eds.) Continuous-flow toxicity tests using the microscopic life stages of various marine organisms. Proceedings of the Seventeenth Annual Aquatic Toxicity Workshop: Threshold Biological Response, Predicting and Determining Ecological Relevance; November 5-7, 1990; Vancouver, British Columbia, Canada. 1991; 1-2.
- Tjeerdema, T. S. Toxicology of oil spill cleanup agents. 1990.
- Tranvik, L.; Larsson, P.; Okla, L.; Regnell, O. In situ mineralization of chlorinated phenols by pelagic bacteria in lakes of differing humic content. *Environmental Toxicology and Chemistry*, 1991; 10(2): 195-200.
- Trendel, J. M.; Graff, R.; Wehrung, P.; Albrecht, P.; Dessort, D.; Connan, J. C(14a)-homo-26-nor-17-alpha-hopanes, a novel and unexpected series of molecular fossils in biodegraded petroleum. *Journal of the Chemical Society Chemical Communications*. March 7, 1993; (5): 461-463.
- Turkstra, E.; Scholten, M. C. T.; Bowmer, C. T.; Schobben, H. P. M. A comparison of the ecological risks from fisheries and pollution to the North Sea biota. *Water Science and Technology*. 1991; 24(10): 147-153.

- Tyrpien, K.; Warzecha, L.; Bodzek, D. Identification of PAHs nitro derivatives in airborne particulate matter by TLC method. *Chemia Analityczna*. 1994; 39(3): 389-393.
- US Department of the Interior, Minerals
 Management Service. Effects of OCS oil and
 gas productions platforms on rocky reef fishes
 and fisheries. US Department of the Interior,
 Minerals Management Service; 1993; OCS
 Study MMS 93-0036.
- US Department of the Interior, Minerals
 Management Service, Atlantic OCS Region.
 Synthesis of information on marine and coastal
 birds of the Atlantic coast: abundance,
 dist[ribution] and potential risks from oil and
 gas activities. US Department of the Interior,
 Minerals Management Service, Atlantic OCS
 Region, Massachusetts Cooperative Fish and
 Wildlife Research Unit; 1994; OCS Study
 MMS 93-0001; 93-0002; 93-0003; 93-0004. 4
 vol.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Preliminary assessment of Gulf of
 Mexico OCS contributions to ozone formation
 in onshore areas using the regional oxidant
 model. New Orleans, LA: US Department of
 the Interior, Minerals Management Service,
 Gulf of Mexico OCS Region; 1993; OCS Study
 MMS 93-0025.
- Unsal, M. Comparative toxicity of crude oil, dispersant and oil-dispersant mixture to prawn, Palaemon elegans. Toxicological and Environmental Chemistry. 1991; 31-2: 451-459.
- Uriz, M. J.; Martin, D.; Rosell, D. Relationships of biological and taxonomic characteristics to chemically mediated bioactivity in Mediterranean littoral sponges. *Marine Biology*. June 1992; 113(2): 287-297.
- Van der Oost, R.; Heida, H.; Opperhuizen, A.;
 Vermeulen, N. P. E. Interrelationships between bioaccumulation of organic trace pollutants (PCBs, organochlorine pesticides and PAHs), and MFO-induction in fish. Comparative Biochemistry and Physiology, C: Comparative Pharmacological Toxicology. 1991; 100(1-2): 43-47.

- Van der Weiden, M. E. J. A dose-response study of 2, 3, 7, 8-TCDD in the rainbow trout *Salmo gairdneri*. *Marine Environmental Research*. 1989; 28(1-4): 509-514. Special issue: Fifth International Symposium on Responses of Marine Organisms to Pollutants; April 12-14, 1989; Plymouth, England, UK.
- Van Veld, P. A. Absorption and metabolism of dietary xenobiotics by the intestine of fish. *Reviews in Aquatic Sciences*. 1990; 2(2): 185-204.
- Van Veld, P. A.; Westbrook, D. J.; Woodin, B. R.; Hale, R. C.; Smith, C. L.; Huggett, R. J.; Stegeman, J. J. Induced cytochrome P-450 in intestine and liver of spot *Leiostomus xanthurus* from a polycyclic aromatic hydrocarbon contaminated environment. *Aquatic Toxicology*. 1990; 17(2): 119-132.
- Van Zoest, R.; Van Eck, G. T. M. Occurrence and behaviour of several groups of organic micropollutants in the Scheldt Estuary. *Science of the Total Environment*. April 1, 1991; 103(1): 57-71.
- Vandermeulen, J. H.; Singh, J. G. Arrow oil spill, 1970-90: persistence of twenty y[ea]r weathered bunker-C fuel oil. Canadian Journal of Fisheries and Aquatic Sciences. April 1994; 51(4): 845-855.
- Vanderoost, R.; Vanschooten, F. J.; Ariese, F.; Heida, H.; Satumalay, K.; Vermeulen, N. P. E. Bioaccumulation, biotransformation and DNA binding of PAHs in feral eel (*Anguilla anguilla*) exposed to polluted sediments: a field survey. *Environmental Toxicology and Chemistry*. June 1994; 13(6): 859-870.
- Vanderweiden, M. E. J.; Tibosch, H. J. H.;
 Bleumink, R.; Sinnige, T. L.; Vandeguchte, C.;
 Seinen, W.; Vandenberg, M. Cytochrome P450 1A induction in the common carp
 (*Cyprinus carpio*) following exposure to
 contaminated sediments with halogenated
 polyaromatics. *Chemosphere*. September 1993;
 27(7): 1297-1309.

- Varanasi, U. Chlorinated and aromatic hydrocarbons in bottom sediments, fish and marine mammals in US coastal waters: laboratory and field studies of metabolism and accumulation. *In*: C. H. Walker and D. R. Livingston; (Eds.) *Persistent Pollutants in Marine Ecosystems*. Pergamon Press. ISBN: 0080418740.
- Varanasi, U.; (Ed.) Metabolism of Polycyclic Aromatic Hydrocarbons in the Aquatic Environment. Boca Raton, Florida: Lewis Publishers; 1989. 352 p. ISBN: 0849368448.
- Varanasi, U.; Stein, J. E. Disposition of xenobiotic chemicals and metabolites in marine organisms. *Environmental Health Perspectives*. 1991; 90: 93-100. Special issue: Symposium on Chemically Contaminated Aquatic Food Resources and Human Cancer Risk; September 29-30, 1988; Research Triangle Park, NC.
- Vazquez, F.; Sanchez, M.; Alexander, H.; Delgado,
 D. Distribution of Ni, V, and petroleum
 hydrocarbons in Recent sediments from the
 Veracruz Coast, Mexico. Bulletin of
 Environmental Contamination and Toxicology.
 May 1991; 46(5): 774-781.
- Venosa, A. D.; Haines, J. R.; Allen, D. M. Efficacy of commercial inocula in enhancing biodegradation of weathered crude oil contaminating a Prince William Sound beach. *Journal of Industrial Microbiology*. July 1992; 10(1): 1-11.
- Venugopalan, V. P.; Wagh, A. B. Biofouling of an offshore oil platform faunal composition and biomass. *Indian Journal of Marine Sciences*. 1990; 19(1): 53-56.
- Verma, D. K.; Julian, J. A.; Bebee, G.; Cheng, W. K.; Holborn, K.; Shaw, L. Hydrocarbon exposures at petroleum bulk terminals and agencies. *American Industrial Hygiene Association Journal*. October 1992; 53(10): 645-656.
- Verma, D. K.; Sharma, A.; Sharma, M. Residues of chlorinated hydrocarbons in fishes: a GLC analysis. *Acta Hydrochimica et Hydrobiologica*. 1991; 19(4): 431-433.

- Verriopoulos, G.; Moraitou-Apostolopoulou, M. Toxicity of zinc to the marine copepod *Tisbe holothuriae*, the importance of the food factor. *Archiv für Hydrobiologie*. 1989; 114(3): 457-463.
- Vindimian, E.; Vollat, B.; Garric, J. Effect of the dispersion of oil in freshwater based on timedependent *Daphnia magna* toxicity tests. *Bulletin of Environmental Contamination and Toxicology*. February 1992; 48(2): 209-215.
- Viswanathan, S.; Sands, M. D. Monitoring ambient and source pollutants. *Environmental Science and Technology*. April 1992; 26(4): 650-652.
- Volkering, F.; Breure, A. M.; Sterkenburg, A.; Vanandel, J. G. Microbial degradation of polycyclic aromatic hydrocarbons: effect of substrate availability on bacterial growth kinetics. *Applied Microbiology and Biotechnology*. January 1992; 36(4): 548-552.
- Volkman, J. K.; Holdsworth, D. G.; Neill, G. P.; Bavor, Jr., H. J. Identification of natural, anthropogenic and petroleum hydrocarbons in aquatic sediments. *Science of the Total Environment*. March 1992; 112(2-3): 203-219.
- Voloshchenko, O. I.; Korlenko, T. K.; Mudryi, I. V. Toksikologo-gigienicheskaia kharakteristika nekotorykh poverkhnostno-aktivnykh veshchestv, ispolzuemykh v tekhnologicheskikh protsessakh neftedobyvaiushchei promyshlennosti [The toxicological-hygienic characteristics of surface-active substances used in the technological processes of the oil-producing industry]. *Vrachebnoe Delo.* July 1992; 7: 71-74. Note: In Russian.
- Voorduow, G.; Shen, Y.; Harrington, C. S.; Telang, A. J.; Jack, T. R.; Westlake, D. W. S. Quantitative reverse sample genome probing of microbial communities and its application to oil field production waters. *Applied and Environmental Microbiology*. December 1993; 59(12): 4,101-4,114.
- Vosjan, J. H.; Gunkel, W.; Tijssen, S. B.; Pauptit, E.; Klings, K. W.; Bruns, K.; Poremba, K.; Hagmeier, E. Distribution and activity of microorganisms in coastal waters off the Netherlands and Germany. *Netherlands Journal of Sea Research*. 1992; 29(4): 333-341.

- Vranken, G.; Vanderhaeghen, R.; Heip, C. Effects of pollutants on life-history parameters of the marine nematode *Monhystera disjuncta*. *ICES Journal of Marine Science*. 1991; 48(3): 325-334.
- Vrolijk, N. H.; Targett, N. M.; Woodin, B. R.; Stegeman, J. J. Toxicological and ecological implications of biotransformation enzymes in the tropical teleost *Chaetodon capistratus*. *Marine Biology*. April 1994; 119(1): 151-158.
- Wachter, B. de; van den Abbeele, J. The influence of acclimation on salinity and oxygen on the respiration of the brine shrimp, *Artemia franciscana*. *Comparative Biochemistry and Physiology*, A. 1991; 98A(2): 293-298.
- Wade, T. L.; Kennicutt II, M. C.; Brooks, J. M. Gulf of Mexico hydrocarbon seep communities, part
 3: aromatic hydrocarbon concentrations in organisms, sediments and water. *Marine Environmental Research*. 1989; 27(1).
- Waldichuk, M. Viewpoint: sea otters and oil pollution. *Marine Pollution Bulletin*. January 1990; 21(1): 10-15.
- Walker, T. A. Is the reef really suffering from chronic pollution. *Search*. June 1991; 22(4): 115-117.
- Wall, K. L.; Gao, W. S.; te Koppele, J. M.; Kwei, G. Y.; Kauffman, F. C.; Thurman, R. G. The liver plays a central role in the mechanism of chemical carcinogenesis due to polycyclic aromatic hydrocarbons. *Carcinogenesis*. May 1991; 12(5): 783-786.
- Wang, A. Q.; Zheng, B. M. Characteristics of biomarkers from light oils and their source rocks in the northern continental shelf of the South China Sea. *Journal of Southeast Asian Earth Sciences*. 1991; 5: 1-4. Special issue: Proceedings of the Second Conference on Petroleum Geochemistry and Exploration in the Afro-Asian Region. Fan, P.; Li, J.; Yu, X.; Huang, Y.; (Eds.)
- Wang, S. Y.; Lum, J. L.; Carls, M. G.; Rice, S. D. Relationship between growth and total nucleic acids in juvenile pink salmon, *Oncorhynchus* gorbuscha, fed crude oil contaminated food. Canadian Journal of Fisheries and Aquatic Sciences. May 1993; 50(5): 996-1,001.

- Wang, Z.; Fingas, M.; Sergy, G. Study of 22-yearold *Arrow* samples using biomarker compounds by GC/MS. *Environmental Science and Technology*. 1994; 28: 1,733-1,746.
- Wangersky, P. J.; Maass, R. L. Bioavailability: the organism as sensor. *Marine Chemistry*. December 1991; 36(1-4): 199-213.
- Warne, M. S. J.; Connell, D. W.; Hawker, D. W. The ecotoxicology of shale oil components to marine bacteria. *Water Science and Technology*. 1989; 21(2): 135.
- Warne, M. S. J.; Connell, D. W.; Hawker, D. W.; Schuurmann, G. Prediction of the toxicity of mixtures of shale oil components. *Ecotoxicology and Environmental Safety*. October 1989; 18(2): 121.
- Watermann, B.; Kranz, H. Pollution and fish diseases in the North Sea: some historical aspects. *Marine Pollution Bulletin*. March 1992; 24(3): 131-138.
- Webb, J. W.; Alexander, S. K. No. 2 fuel oil effects on *Spartina alterniflora* in a Texas salt marsh. *Contributions in Marine Science*. 1991; 32: 9-19.
- Weber, D. E.; Flemer, D. A.; Bundrick, C. M. Comparison of the effects of drilling fluid on macrobenthic invertebrates associated with the seagrass, *Thalassia testudinum*, in the laboratory and field. *Estuarine*, *Coastal and Shelf Science*. 1992; 35(3): 315-330.
- Weber, R. R.; Bicego, M. C. Petroleum aromatic hydrocarbons in surface waters around Elephant Island, Antarctic Peninsula. *Marine Pollution Bulletin*. September 1990; 21(9): 448-449.
- Weis, J. S.; Cristini, A.; Ranga Rao, K. Effects of pollutants on molting and regeneration in crustacea. *American Zoologist*. 1992; 32(3): 495-500.
- Wenning, R. J.; Bonnevie, N. L.; Huntley, S. L. Accumulation of metals, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons in sediments from the lower Passaic River, New Jersey. *Archives of Environmental Contamination and Toxicology*. July 1994; 27(1): 64-81.

- Westwood, S. S. C. Biological and chemical monitoring of seabed sediments at the Sullom Voe North Sea terminal: a synthesis of data for the period 1978-1985. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 253-267.
- Whale, G. F.; Whitham, T. S. Methods for assessing pipeline corrosion prevention chemicals on the basis of antimicrobial performance and acute toxicity to marine organisms. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 2.
- Widdows, J. Measurement of scope for growth and tissue hydrocarbon concentrations of mussels (Mytilus edulis) at sites in the vicinity of the Sullom Voe oil terminal: a case study. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 269-277.
- Widdows, J. Sublethal biological effects monitoring in the region of Sullom Voe, Shetland, July 1988. Aberdeen, UK: Shetland Oil Terminal Environmental Advisory Group; 1989. 21 p.
- Williams, C. D.; Faisal, M.; Huggett, R. J.
 Polynuclear aromatic hydrocarbons and fish
 lens cataract: effects of benzo<a>pyrene-7, 8dihydrodiol on the macromolecular synthesis of
 cultured eye cells. Marine Environmental
 Research. 1992; 34(1-4): 333-337.
- Williams, L. B.; Ferrell, Jr., R. E.; Chinn, Elizabeth W.; Sassen, Roger. Fixed-ammonium in clays associated with crude oils. *Applied Geochemistry*. 1989; 4.
- Williams, T. M.; McBain, J.; Wilson, R. K.; Davis, R. W. Clinical evaluation and cleaning of sea otters affected by the T/V Exxon Valdez oil spill. US Fish and Wildlife Service Biological Report. 1990; 90(12): 236-257.

- Wilmot, R. L.; Everett, R. J.; Gellman, W. A. Genetic stock identification of sockeye and chum salmon from Bristol Bay, Alaska: final report. Outer Continental Shelf Environmental Assessment Program: final reports of principal investigators. June 1989; 63. 553-599.
- Winger, P. V.; Schultz, D. P.; Johnson, W. W. Environmental contaminant concentrations in biota from the lower Savannah River, Georgia and South Carolina. Archives of Environmental Contamination and Toxicology. 1990; 19(1): 101-117.
- Wise, S. A.; Benner, B. A.; Christensen, R. G.; Koster, B. J.; Kurz, J.; Schantz, M. M.; Zeisler, R. Preparation and analysis of a frozen mussel tissue reference material for the determination of trace organic constituents. *Environmental Science and Technology*. October 1991; 25(10): 1,695-1,704.
- Witschi, H. Animal models of toxicological interactions. *Proceedings of the Fourth International Conference on the Combined Effects of Environmental Factors.* 1991: 5-8.
- Wolfe, D. A.; Long, E. R.; Buchman, M. F.
 Concordance among results of various sediment toxicity bioassays and chemical contaminant concentrations. Eighth International Ocean Disposal Symposium: Program and Abstracts; October 9-13, 1989; Dubrovnik, Yugoslavia. 1989; 32-33.
- Woodin, B. R.; Stegeman, J. J. Elevated P-450 A1 protein in intertidal fish in Prince William Sound associated with the Exxon *Valdez* oil spill. *Marine Environmental Research*. 1993; 35(1-2): 203-204. Special issue: Sixth International Symposium on the Responses of Marine Organisms to Pollutants, Part 2; April 24, 1992; Woods Hole, MA; Stegeman, J. J.; Moore, M. N.; Hahn, M. E.; (Eds.)
- Wu, J.; Zhou, X. A study of the effects of petroleum on the early development of mussel *Mytilus* edulis. Transactions of Oceanology and Limnology Haiyang Huzhao Tongbao. 1992; 2: 46-50
- Yamamoto, M. Fractionation of azaarenes during oil migration. *Organic Geochemistry*. December 1992; 19(4-6): 389-402.

- Yeh, C. K.; Novak, J. T. Anaerobic biodegradation of gasoline oxygenates in soils. *Water Environment Research*. July 1994; 66(5): 744-752
- Yunker, M. B.; MacDonald, R. W.; Cretney, W. J.; Fowler, B. R.; McLaughlin, F. A. Alkane, terpene, and polycyclic aromatic hydrocarbon geochemistry of the Mackenzie River and Mackenzie Shelf: riverine contributions to Beaufort Sea coastal sediment. *Geochemica et Cosmochimica Acta.* 1993; 57(13): 3,041-3,061.
- Zachleder, V.; Tukaj, Z. Effect of fuel oil and dispersant on cell cycle and macromolecular synthesis in the chlorococcal alga *Scenedesmus* armatus. Marine Biology. 1993; 117(2): 347-353.
- Zarba, M. A.; Mohammad, O. S.; Anderlini, V. C.; Literathy, P.; Shunbo, F. Petroleum residues in surface sediments of Kuwait. *Marine Pollution Bulletin*. May 1985; 16(5).
- Zbir, B. D.; Ahamad, B. A. Toxicity of produced water from crude oil terminals to *Photobacterium phosphoreum, Chaetoceros* sp., and *Donax faba. Bulletin of Environmental Contamination and Toxicology.* 1993; 50(3): 413-416.
- Zheng, Jinshu; Quinn, J. G. Analytical procedures to classify organic pollutants in natural waters, sediments, and benthic organisms. *Acta Oceanologica Sinica*. 1988; 7(2).
- Zhou, Z. Oil pollution experiment in marineenclosed experimental ecosystem .I. Ecological distribution of hydrocarbon-degradation bacteria. *Acta Oceanologica Sinica*. 1991; 10(2): 297-302.
- Zitko, V. Assessment of the significance of chemicals in sediments. *Journal of Environmental Science and Health, Part A: Environmental Science and Engineering.* 1992; A27(1): 273-281.

- Bimetallic pipe chosen for corrosive service. Oil and Gas Journal. July 29, 1991; 89(30): 82.
- Biodegradation of hazardous organic compounds by sulfate-reducing bacteria. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Bioremediation of oil-contaminated shorelines: the role of carbon in fertilizers. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994. 496 p.
- Clean water, clear choices: companies are developing and marketing new technologies and applications to treat produced water. *JPT: Journal of Petroleum Technology*. January 1994; 46(1): 24-26.
- Drilling methods advance. *Geotimes*. March 1993; 38(3): 7.
- Electroosmotic bioremediation of hydrocarboncontaminated soils in situ. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Environmental monitoring: new oil fence developed with oil recovery system. *Sea Technology*. May 1993; 34(5): 63.
- Enzyme-enhanced bioremediation. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Evaluation of liposome-encapsulated casein as a natural nutrient source for oil spill bioremediation. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994. 496 p.
- Fabrication Norms for Offshore Structures. Chapman and Hall; 1992. 294 p. ISBN: 041914160X.
- IMO double hull study. *Marine Pollution Bulletin*. March 1992; 24(3): 124.

- Investigation of the static and dynamic properties of a flexible high pressure pipe under different load cases (Neptun Pag-O-Flex Offshore Flexibles), [Duesseldorf. Germany, FR]: final report. February 1990.
- It's 1990, do you know where your pipeline is? *Ocean Industry*. 1990; 25(4): 48-49.
- Laboratory evaluation of in situ bioremediation for polycyclic aromatic hydrocarbon-contaminated aquifers. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- MMS and California are reassessing ability of older offshore oil and gas platforms to structurally withstand earthquakes. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. November 1, 1993; 24(21): 2.
- New concept in contaminated drill cuttings disposal. *Ocean Industry*. 1990; 25(1).
- New products: compact oil-water separator. *Marine Pollution Bulletin*. September 1993; 26(9): 532.
- New products: membrane system for cleaning up gas platform discharges. *Marine Pollution Bulletin*. November 1993; 26(11): 657.
- New underwater cleaner scours North Rankin Field platform. *Ocean Industry*. April 1988; 23(4): 19-20.
- Nitrate-based bioremediation of petroleumcontaminated aquifer at Park City, Kansas: site characterization and treatability study. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994, 496 p.
- Offshore and Arctic Operations: 1993. Fairfield, NJ: The American Society of Testing Materials; 1993. 168 p. ISBN: 0791809463.
- Offshore pipelines, January 1970-January 1990: a bibliography from the NTIS database. Springfield, VA: National Technical Information Service; February 1990. 98 p. Note: Supersedes PB88-851894.
- Offshore resources and engineering: BRM wins design contract for deep water pipeline. *Sea Technology*. September 1993; 34(9): 72.

- Offshore resources and engineering: Balmoral announces new coating process. *Sea Technology*. August 1993; 34(8): 99-100.
- Offshore resources and engineering: reducing uncertainties in the design of offshore platforms. *Sea Technology*. August 1993; 34(8): 98.
- Pipeline corrosion: February 1970-November 1989: a bibliography from the NTIS database. Springfield, VA: National Technical Information Service; May 1990; PB90-869983/XAB. 92 p. Note: Supersedes PB87-862496.
- Pipeline Engineering, 1993. Fairfield, NJ: The American Society of Mechanical Engineers; 1993. 84 p. ISBN: 0791809528.
- Pollutant modification of atmospheric and oceanic processes and climate: some aspects of the problem. *UNEP Reg. Seas Reports Stud.* 1991; no. 117.
- Polycyclic aromatic hydrocarbon removal rates in oiled sediments treated with urea, urea-fish protein, or ammonium nitrate. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Portable hydrocarbon analyser. *Marine Pollution Bulletin*. April 1994; 28(4): 267.
- Proceedings: 1988 SPE (Society of Petroleum Engineers of AIME) Annual Technical Conference and Exhibition; October 2, [1987]. Richardson, TX: Society of Petroleum Engineers of AIME; 1988: 418 p.
- Published search: biodeterioration of oil spills.

 Springfield, VA: NTIS; [1993]; PB93862530CBY. Note: Citations from National
 Technical Information Service bibliographic
 database.
- Published search: enhanced oil recovery by polymer and surfactant flooding. Springfield, VA: NTIS; [1992]; PB92-852391CBY. Note: Citations from National Technical Information Service bibliographic database.

- Published search: oil pollution sampling, detection, and analysis. Springfield, VA: NTIS; [1992]; PB92-851948CBY. Note: Citations from National Technical Information Service bibliographic database.
- Published search: oil spill removal techniques and equipment. Springfield, VA: NTIS; [1992]; PB92-859404CBY. Note: Citations from Fluid Engineering Abstracts Database.
- Published search: oil well blowout preventors. Springfield, VA: NTIS; [1993]; PB93-852143CBY. Note: Citations from Energy Science and Technology Database.
- Published search: remote sensing of marine pollution. Springfield, VA: NTIS; [1993]; PB93-863918CBY. Note: Citations from Oceanic Abstracts.
- Published search: strategic petroleum reserve, storage site development. Springfield, VA: NTIS; [1993]; PB93-853604CBY. Note: Citations from Energy Science and Technology Database.
- Slurry bioremediation of polycyclic aromatic hydrocarbons in soil wash concentrates. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Stepwise approach selects most effective remediation alternative. *Oil and Gas Journal*. November 1, 1993; 91(46): 68-70.
- Subsea control and data acquisition: technology and experience. 1990.
- Technology: new jack up designed for safe, efficient drilling. *Oil and Gas Journal*. May 1, 1993; 91(19): 63.
- TEMPEST program shows water movement in a teapot. *US Water News*. June 1990; 6(12): 11. Note: TEMPEST can be used to monitor the flow of groundwater, underground contaminants and oil.
- Use of pure oxygen dissolution system enhances in situ slurry-phase bioremediation. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.

- Warning bells sounded on hazardous area equipment. Offshore Engineering, 1990; 26.
- Abdul, A. S. A new pumping strategy for petroleum product recovery from contaminated hydrogeologic systems: laboratory and field evaluations. *Ground Water Monitoring Review*. December 1992; 12(1): 105-114.
- Abernathy, S. A. Description of the mid-Atlantic environment. Herndon, VA: US Department of the Interior, Minerals Management Service; July 1989; OCS/EIS/EA/MMS 89-0064. 283 p.
- Abreu, C. J.; Potter, P. E. Predicting reservoir quality in the Cretaceous Maceio Member of the Sergipe Alagoas Basin, northeast Brazil. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Abu-Hilal, A. H.; Badran, M. M. Effect of pollution sources on metal concentration in sediment cores from the Gulf of Aqaba (Red Sea). *Marine Pollution Bulletin*. April 1990; 21(4): 190-196.
- Acar, Y. B.; Alshawabkeh, A. N. Electroosmotic removal of gasoline hydrocarbons and TCE from clay: discussion. *Journal of Environmental Engineering ASCE*. March 1993; 119(2): 404-406.
- Adams, J. K. Risk assessment of OCS drilling offshore south Florida. *Oceans* '89. [1989]; 1-5.
- Adenuga, A. O.; Johnson, J. H.; Cannon, J. N.; Wan, L. Bioremediation of PAH-contaminated soil via in-vessel composting. *Water Science and Technology*. 1992; 26(9-11): 2,331-2,334.
- Alexander, M. Biodegradation and Bioremediation. Academic Press; 1994. 302 p. ISBN: 012049860X.
- Alexander, R. A. Environmental method controls corrosion/cracking in Mobile Bay. *JPT: Journal of Petroleum Technology*. January 1990; 42(1): 62-66.

- Alford, S. E. North Sea field application of an environmentally responsible water-base shale stabilizing system. Proceedings of the 1991 Society of Petroleum Engineers (SPE)/International Association of Drilling Contractors (IADC) Drilling Conference. Society of Petroleum Engineers; 1991: 341-356.
- Almy, Jr., C. C. Lithostratigraphic-seismic evaluation of hydrocarbon potential: North Carolina coastal and continental margins. *Marine Geology*. 1989; 90(1-2). Special issue: Studies Related to Continental Margins.
- Al-Rabeh, A. H.; Cekirge, H. M.; Gunay, N. Modeling the fate and transport of *Al-Ahmadi* oil spill. *Water, Air, and Soil Pollution*. 1992; 65(3/4): 257-279.
- Al-Rabeh, A.; Lardner, R.; Gunay, N.; Khan, R.; Hossain, M.; Reynolds, R. M.; Lehr, W. J. On mathematical and empirical models for surface oil spill transport in the Gulf. *Marine Pollution Bulletin*. 1993; 27: 71-77.
- American Petroleum Institute. Petroleum industry technology to meet today's challenges.

 American Petroleum Institute; June 1991.

 Discussion Paper; 067 (878-55705).
- Aminabhavi, T. M.; Phayde, H. T. S.; Khinnavar, R. S.; Gopalakrishna, B.; Hansen, K. C. Densities, refractive indices, speeds of sound, and shear viscosities of diethylene glycol dimethyl ether with ethyl acetate, methyl benzoate, ethyl benzoate, and diethyl succinate in the temperature range from 298.15° to 318.15° K. *Journal of Chemical and Engineering Data*. April 1994; 39(2): 251-260.
- Anderson, K. J. Refining petroleum. *MRS Bulletin*. October 1992; 17(10): 69.
- Angel, S. M.; Langry, K.; Colston, Jr., B. W.; Brown, S.; Daley, P. F.; Milanovich, F. P.; Burgess, L. W. Fiber optic sensor for the continuous monitoring of chlorinated hydrocarbons. 201st ACS National Meeting of the American Chemical Society; April 14-19, 1991; Atlanta, Georgia. [American Chemical Society]; 1991: 1-2. Note: Abstract Papers of the American Chemistry Society; ENVR 67.

- Angell, V. W.; Graham, H. J.; Post, G. J. Ice Island Drilling Application and Well Considerations in Alaskan Beaufort Sea: Proceedings of the SPE Drilling Conference. Society of Petroleum Engineers; 1990.
- Annable, M. D.; Wallace, R. B.; Hayden, N. J.; Voice, T. C. Reduction of gasoline component leaching potential by soil venting. *Journal of Contaminant Hydrology*. February 1993; 12(1-2): 151-170.
- Arnhus, K. M.; Slora, G. Cuttings and waste mud disposal. International Association of Drilling Contractors (IADC)/Society of Petroleum Engineers (SPE) Drilling Conference: Proceedings of the 1991 SPE/IADC Drilling Conference. Society of Petroleum Engineers; 1991.
- Ashworth, V. Corrosion risk assessment. First International Energy Foundation Mediterranean Offshore Conference; February 17-20, 1991; Tripoli, Libya. 1991; 1: 285-297.
- Atkinson, C. D.; Kaldi, J. G. Tertiary reservoirs of offshore Northwest Java, Indonesia; examples of hydrocarbon accumulations in a mixed carbonate-clastic environment. *AAPG Bulletin*. 1990; 74(5).
- Atlas, R. M. Bacteria and bioremediation of marine oil spills. *Oceanus*. June 1993; 36(2): 71.
- Atlas, R. M. Bioremediation of oil spills: promise and peril. Second International Marine Biotechnology Conference, Program and Abstracts (IMBC '91). 1991: 71.
- Atlas, R. M. Microbial hydrocarbon degradation: bioremediation of oil spills. *Journal of Chemical Technology and Biotechnology*. 1991; 52(2): 149-156.
- Autenriech, R. L.; Bonner J. S.; Schreiber L. A literature review: aquatic sediments. *Research Journal of the Water Pollution Control Federation*. June 1991; 63(4): 709-727.
- Awad, H.; Bajahlan, A. Effect of two corexit dispersants in the removal of Arabian light and heavy crude oils from seawater surface.

 Toxicological and Environmental Chemistry. 1991; 31-2: 49-53.

- Ayers, Jr., R. C.; O'Reilly, J. E.; Henry, L. R. Offshore operators committee Gulf of Mexico spotting fluid survey. SPE/IADC 1989 Drilling Conference; February 28-March 3, 1989. 1989: 517-519.
- Ayorinde, O. A.; Sodhi, D. S.; Sinha, N. K.

 Proceedings of the Ninth International

 Conference on Offshore Mechanics and Arctic

 Engineering, 1990; February 18-23, 1990;

 Houston, Texas. New York: American Society

 of Mechanical Engineers; 1990.
- Baker, J. E.; Eisenreich, S. J.; Eadie, B. J. Sediment trap fluxes and benthic recycling of organic carbon, polycyclic aromatic hydrocarbons, and polychlorobiphenyl congeners in Lake Superior. *Environmental Science and Technology*. March 1991; 25(3): 500-509.
- Baker, K. H. *Bioremediation*. McGraw-Hill; 1994. 375 p. ISBN: 0070033609.
- Banon, H.; Cornell, C. A.; Harding, S. J.
 Probabilistic combination of forces in tension leg platform tethers. *Journal of Structural Engineering*. 1991; 117(5).
- Barnes, P. W.; Reimnitz, E. Ice interaction with the Arctic shelf and coast: constraints on and implication for petroleum development. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Barnes, P. W.; Rawlinson, S. E.; Reimnitz, E. Coastal Geomorphology of Arctic Alaska. Menlo Park, CA: US Department of the Interior, US Geological Survey; 1988: 3-30. (Technical Council on Cold Regions Engineering Monograph; v. TCCME-3).
- Baron, J. A.; Thibodeaux, L. J. Laboratory stimulation of diffusion in contaminated marine sediments. *Estuaries*. 1990; 13(1): 81-88.
- Battelle. *Hydrocarbon Remediation*. Boca Raton, FL: [Lewis Publishers]; 1994. 600 p. ISBN: 0837319840.
- Baudot, P.; Viriot, M. L.; Andre, J. C.; Jezequel, J. Y.; Lafontaine, M. Analysis of polyaromatic hydrocarbons by synchronous fluorescence spectrometry application to occupational health. *Analysis*. 1991; 19(3): 85-97.

- Baughman, E. H.; Andresen, K. W. Sulfur recovery sulfur dioxide reduction in the petroleum industry. 201st ACS National Meeting of the American Chemical Society; April 14-19, 1991; Atlanta, Georgia. 1991: 1-2. Note: Abstract Papers of the American Chemical Society; ENVR 113.
- Bayona, J. M.; Fernandez, P.; Porte, C.; Tolosa, I.; Valls, M.; Albaiges, J. Partitioning of urban wastewater organic microcontaminants among coastal compartments. *Chemosphere*. 1991; 23(3): 313-326.
- Bea, R. G. Reliability based requalification criteria for offshore platforms. Offshore Mechanics and Arctic Engineering, Twelfth International Conference; June 20-24, 1993; Glasgow, Scotland, UK. La Jolla, CA: California Sea Grant, University of California/San Diego; 1993; CUIMR-R-93-008. 11 p.
- Bea, R. G.; Craig, M. J. K. Developments in the assessment and requalification of offshore platforms. 25th Annual Offshore Technology Conference; May 3-6, 1993; Houston, Texas.
 La Jolla, CA: California Sea Grant, University of California/San Diego; 1993; CUIMR-R-93-010: 9-27. 19 p.
- Bea, R. G.; DesRoches, R. Development and verification of a simplified procedure to estimate the capacity of template-type platforms. *Integrity of Offshore Structures '93: Fifth International Symposium; June 17-18, 1993; Glasgow, Scotland, UK.* La Jolla, CA: California Sea Grant, University of California/San Diego; 1993; CUIMR-R-93-009: 19-38. 19 p.
- Bea, R. G.; Young, Carlton. Loading and capacity effects on platform performance in extreme condition storm waves and earthquakes. 25th Annual Offshore Technology Conference; May 3-6, 1993; Houston, Texas. La Jolla, CA: California Sea Grant, University of California/San Diego; 1993; CUIMR-R-93-011: 45-60. 16 p.

- Bech, C.; Sveum, P.; Buist, I. In-situ burning of emulsions: the effects of varying water content and degree of evaporation. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 547-559. ISBN: 0662590503.
- Bedrikovetsky, P. Mathematical Theory of Oil and Gas Recovery: With Applications to ex-USSR Oil and Gas Fields. Kluwer; 1993. 575 p. (Petroleum Engineering and Development Studies; v. 4). ISBN: 0792323815.
- Behrendt, J. C. Recent Geophysical and Geological Research in Antarctica Related to the Assessment of Petroleum Resources and Potential Environmental Hazards to Their Development. American Geophysical Union; 1990; 51: 163-174. (Antarctica Research Series).
- Belloul, M. B.; Thorpe, S. A. Acoustic observation of oil slicks at sea. *Journal of Geophysical Research*. 1992; 97(C4): 5,215-5,220.
- Bennett, P. C.; Hiebert, F. K.; Baedecker, M. J.
 Microbial influences on inorganic solute
 mobilization and transport in an oil
 contaminated aquifer. Abstracts with Programs
 in Geological Society of America, 1992 Annual
 Meeting. 1992; 24. 65 p.
- Bergueiro, J. R.; Dominguez, F.; Morales, N.
 Research into 90 octanes gasoline (normal)
 evaporation in its natural environment.

 Proceedings of the Fifteenth Arctic and Marine
 Oilspill Program Technical Seminar; June 1012, 1992; Edmonton, Alberta, Canada. Ottawa,
 Ontario, Canada: Environment Canada; 1992:
 147-163. ISBN: 0662590503.
- Bernem, K. H. van; Mueller, A.; Grotjahn, M.;
 Knuepling, J.; Neugebohrn, L.; Ramm, G.; et al. Thematic mapping and sensitivity study of mud-flat areas in the German Wadden Sea.

 Present and Future Conservation of the Wadden Sea: Proceedings of the Seventh International Wadden Sea Symposium; October 22-26, 1990; Ameland, The Netherlands. Texel, The Netherlands: Netherlands Institute for Sea Research; 1992: 237-238. (Publications Series of the Netherlands Institute for Sea Research, v. 20).

- Bertherin, G. Seismic techniques in Guatemala, an approach yielding a new dimension to environmental protection. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2: 821-834.
- Beurskens, J. E. M.; Mol, G. A. J.; Barreveld, H. L.; Vanmunster, B.; Winkels, H. J. Geochronology of priority pollutants in a sedimentation area of the Rhine River. *Environmental Toxicology* and Chemistry. September 1993; 12(9): 1549-1566.
- Bird, M. F.; Smith, H. M.; Bowley, C. V. Protection of offshore structures against corrosion. *Corrosion* '89. September 1989.
- Blackburn, J. W.; Hafker, W. R. The impact of biochemistry, bioavailability and bioactivity on the selection of bioremediation techniques. *Trends in Biotechnology*. August 1993; 11(8): 328-333.
- Blaunch, M. E.; Weaver, J. D.; Broussard, G. T.; Sanclemente, L. W.; Pace, J. R. Fluid-loss control using crosslinkable HEC in high-permeability offshore flexure trend completions. Proceedings of the Ninth SPE (Society of Petroleum Engineers) Symposium on Formation Damage Control. 1990.
- Blix, A. S.; Lentfer, J. W. Noise and vibration levels in artificial polar bear dens as related to selected petroleum exploration and developmental activities. *Arctic*. 1992; 45(1): 20-24.
- Bloch, H. P. HP in reliability: operations errors can cause costly pump failures. *Hydrocarbon Processing*. May 1993; 72(5): 25.
- Bloch, S.; Atkinson, C. D. Controls on reservoir quality in the giant Yacheng Gas Field, South China Sea. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Boehm, Jr., C. F.; Hosie, S. Metal annulus seals for subsea wellheads, important systems considerations. *Proceedings of the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90)*. 1990; 3.

- Boethling, R. S.; Howard, P. H.; Meylan, W.; Stiteler, W.; Beauman, J.; Tirado, N. Group contribution method for predicting probability and rate of aerobic biodegradation. *Environmental Science and Technology*. March 1994; 28(3): 459-465.
- Bonner, J. S.; Autenrieth, R. L.; Schreiber, L. Aquatic sediments. *Research Journal of the Water Pollution Control Federation*. June 1990; 62(4): 593-614.
- Botello, A. V.; Gonzalez, C.; Diaz, G. Pollution by petroleum hydrocarbons in sediments from continental shelf of Tabasco State, Mexico. *Bulletin of Environmental Contamination*. 1991; 47(4): 565-571.
- Bourquin, A. W. Bioremediation of hazardous waste. *Hazardous Materials Control*. 1989; 2: 16-59.
- Bragg, J. R.; Prince, R. C.; Harner, E. J.; Atlas, R. M. Effectiveness of bioremediation for the Exxon *Valdez* oil spill. *Nature*. March 31, 1994; 368(6470): 413-418.
- Brandi, R.; Rossetto, P. Structure integrity assessment and inspection planning. First International Energy Foundation, Mediterranean Offshore Conference Proceedings; February 17-20, 1991; Tripoli, Libya, 1991; 1: 321-331.
- Breaker, L. C.; Bratkovich, A. Coastal-ocean processes and their influence on the oil spilled off San Francisco by the M/V *Puerto Rican*. *Marine Environmental Research*. 1993; 36(3): 153-184.
- Brooks, J. M.; Kennicutt II, M. C.; Wade, T. L.; Hart, A. D.; Denoux, G. J.; McDonald, T. J. Hydrocarbon distributions around a shallow water multiwell platform. *Environmental Science and Technology*. July 1990; 24(7): 1,079-1,085.
- Brown, H. M.; Goodman, R. H.; Nicholson, P. The containment of heavy oil in flowing water. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 457-465. ISBN: 0662590503.

- Brown, H. M.; Goodman, R. H.; Nicholson, P. The evaporation of heavy oil stranded on shorelines. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 47-53. ISBN: 0662590503.
- Brown, H. M.; Goudey, J. S.; Foght, J. M.; Cheng, S. K.; Dale, M.; Hoddinott, J.; Quaife, L. R.; Westlake, D. W. S. Dispersion of spilled oil in freshwater systems: field trial of a chemical dispersant. *Oil and Chemical Pollution*. 1990; 6(1): 37.
- Bruell, C. J.; Segall, B. A.; Walsh, M. T.
 Electroosmotic removal of gasoline
 hydrocarbons and TCE from clay: closure. *Journal of Environmental Engineering ASCE*.
 March 1993; 119(2): 406-408.
- Bryant, I. D.; Brahim, A. Ben. Characterisation of facies-related variation of reservoir quality in the Tazerka field, offshore Tunisia. *Journal of Petroleum Science and Engineering*. July 1989; 2(4): 361-377.
- Buist, I. A.; Guennette, C. C.; Potter, S. G.;
 Bringloe, T. Viscosity and drag reduction for
 temporary storage and transfer of weathered
 crude oils and emulsions. *Proceedings of the*Fifteenth Arctic and Marine Oilspill Program
 Technical Seminar; June 10-12, 1992;
 Edmonton, Alberta, Canada. Ottawa, Ontario,
 Canada: Environment Canada; 1992: 523-546.
 ISBN: 0662590503.
- Buist, I. A.; Potter, S. G. Tank testing of skimmers with waxy and viscous oils. Proceedings of the Twelfth Arctic and Marine Oil Spill Program, Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada, Technology Development and Technical Services Branch; 1989.
- Buitron, G.; Capdeville, B. Uptake rate and mineralization of hexadecane and naphthalene by a mixed aerobic culture. *Water Research*. May 1993; 27(5): 847-853.
- Bulman, T. L.; Newland, M.; Wester, A. In situ bioventing of a diesel fuel spill. *Hydrological Sciences Journal [Journal des Sciences Hydrologiques]*. August 1993; 38(4): 297-308.

- Bunkin, A. F.; Surovegin, A. L. Laser remote sensing of pollution on water surfaces. *Akademiya Nauk* (SSSR, Moscow, Institute of General Physics). July 1992.
- Burback, B. L.; Perry, J. J. Biodegradation and biotransformation of groundwater pollutant mixtures by *Mycobacterium vaccae*. *Applied and Environmental Microbiology*. April 1993; 59(4): 1,025-1,029.
- Burton, D. J.; Ravishankar, K. Treatment of Hazardous Petrochemical and Petroleum Wastes: Current, New and Emerging Technologies. Park Ridge, NJ: Noyes Data Corp.; 1989. 268 p. ISBN: 0815512155.
- Butler, R. M. The use of horizontal wells drilled from the surface for the recovery of bitumen, heavy oil, conventional oil and gas. AOSTRA oil sands 2000: energy, environment, enterprise preprints, 1990.
- Button, D. K.; Robertson, B. R.; McIntosh, D.; Juttner, F. Interactions between marine bacteria and dissolved-phase and beached hydrocarbons after the Exxon *Valdez* oil spill. *Applied Environmental Microbiology*. January 1992; 58(1): 243-251.
- Calabrese, E. J. Principles and Practices for Petroleum Contaminated Soils. Lewis Publishers; 1993. 658 p. ISBN: 087371394X.
- Calabrese, E. J.; Kostecki, P. T.; (Eds.) *Hydrocarbon Contaminated Soils*. Boca Raton, FL: Lewis Publishers; 1993; 3. 752 p. ISBN: 1566700183.
- Calabrese, E. J.; Kostecki, P. T.; (Eds.) Petroleum Contaminated Soils, Remediation Techniques, Environmental Fate, and Risk Assessment.
 Chelsea, MI: Lewis Publishers; 1989; 2. 416 p. ISBN: 0873712269.
- Canby, T. Y. Bacteria: teaching old bugs new tricks. *National Geographic*. 1993; 184: 36-61.
- Carlson, P. R.; Bruns, T. R.; Stevenson, A. J.; Mann, D. M.; Huggett, Q.; Wormly, U. K.; Dobson, M. Sedimentary depositional environments in the Gulf of Alaska from GLORIA imagery. AAPG Bulletin. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.

- Carlson, P. W.; Barnes, E. C. Morphology of bottom sediment of Prince William Sound along the oil spill trajectory. Carlson, P. R.; (Ed.) Sediment of Prince William Sound, beach to deep fjord floor, a year after the Exxon Valdez oil spill. Fairbanks, AK: Alaska Division of Geology and Geophysics Survey; 1991. 1-30. (US Geological Survey Open File Report; OF-91-0631).
- Carney, R. S. A review of study designs for the detection of long-term environmental effects of offshore petroleum activities. *In*: Boesch, D.; Rabalais, N. *Long-Term Environmental Effects of Offshore Oil and Gas Development*. London: Elsevier Applied Science; 1987: 651-696. 696 p.
- Carrier, G.; Fendell, F.; Mitchell, J. In situ burning via towed boom of oil spilled at sea.

 Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 659-680. ISBN: 0662590503.
- Carter, S. R.; Jewell, W. J. Biotransformation of tetrachloroethylene by anaerobic attached-films at low temperatures. *Water Research*. April 1993; 27(4): 607-615.
- Castle, G. Integrating fire protection into structural designs. *Ocean Industry*. 1992; 26(10): 45-47.
- Celant, M.; Lazzari, L.; Galka, R. J. Corrosion economics in material selection for sour service pipelines Internal and external protection of pipes. Eighth International Conference on the Internal and External Protection of Pipes. 1990.
- Cerniglia, C. E. Biodegradation of organic contaminants overview and examples with polycyclic aromatic hydrocarbons. *Abstracts of Papers of the American Chemical Society*. 1990; 199(1-2).
- Chakrabarti, S. *Offshore Structure Modeling*. World Scientific; 1994, 470 p. ISBN: 9810215126.
- Chang, X.; Huan, W.; Feng, Q. Seismic risk analysis for ocean oil platforms. *China Ocean Eng[ineering]*. 1989; 3(4): 399-409.

- Chapman, P. M.; Power, E. A.; Dexter, R. N.; Andersen, H. B. Evaluation of effects associated with an oil platform, using the sediment quality triad. *Environmental Toxicology and Chemistry*. 1991; 10(3): 407-424
- Chapta, S. C.; Boyer, J. M. Fate of pollutants.

 Research Journal of the Water Pollution

 Control Federation. June 1990; 62(4): 569577.
- Chen, W.-C.; Sisak, W. J.; Petersen, C. W. Leak before break of CRA tubing in sour environments. *Proceedings of the SPE Production Operations Symposium; April 7-9,* 1991. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 937-942.
- Chen, Z. L.; Zhou, G. J.; Alexander, R. A biomarker study of immature crude oils from the Shengli oilfield, People's Republic of China. *Chemical Geology*. March 1, 1994; 113(1-2): 117-132.
- Chernova, T. G.; Ilinskaya, V. V.; Nechitaylo, G. S. Genetic relations of sediments hydrocarbons and microoils in Guaiumas Depression (Gulf of California). *Izvestiya Akademii Nauk Seriya Geologicheskaya*. July 1992; (7): 95-102.
- Chierici, G. L. Principles of Petroleum Reservoir Engineering. Springer-Verlag; 1994. 419p. ISBN: 0387560378.
- Chiu, H. Offshore production systems for ultra-deep water in the Gulf of Mexico, part 1: well systems. *International Journal of Offshore Polar Engineering*. 1992; 2(4): 241-250.
- Chiu, H. Offshore production systems for ultra-deep water in the Gulf of Mexico, part 2: vessel systems. Chung, J. S.; Natvig, B. J.; Das, B. M.; Li, Yu-Cheng; (Eds.) The Proceedings of the Third (1993) International Offshore and Polar Engineering Conference (ISOPE '93); June 6-11, 1993; Singapore. Golden, CO: International Society of Offshore and Polar Engineers; 1993; 1: 1-11. 690 p. ISBN: 1880653060.
- Choi, H. M.; Cloud, R. M. Natural sorbents in oil spill cleanup. *Environmental Science and Technology*, 1992; 26(4): 772-776.

- Chosson, P.; Lanau, C.; Connan, J.; Dessort, D. Biodegradation of refractory hydrocarbon biomarkers from petroleum under laboratory conditions. *Nature*. June 20, 1991; 351(6328): 640-642.
- Chryssostomidis, C.; (Ed.) Seventh International Conference on the Behaviour of Offshore Structures (BOSS '94): Geotechnics; July 12-15, 1994; Cambridge, Massachusetts. Oxford, UK: Pergamon; 1994; 1. 342 p. ISBN: 0080419135.
- Chryssostomidis, C.; (Ed.) Seventh International
 Conference on the Behaviour of Offshore
 Structures (BOSS '94): Hydrodynamics and
 Cable Dynamics; July 12-15, 1994;
 Cambridge, Massachusetts. Oxford, UK:
 Pergamon; 1994; 2. 888 p. ISBN: 0080419143.
- Chryssostomidis, C.; (Ed.) Seventh International Conference on the Behaviour of Offshore Structures (BOSS '94): Structures; July 12-15, 1994; Cambridge, Massachusetts. Oxford, UK: Pergamon; 1994; 3. 514 p. ISBN: 0080419151.
- Chung, J. S.; Natvig, B. J.; Das, B. M.; Li, Yu-Cheng; (Eds.) The Proceedings of the Third (1993) International Offshore and Polar Engineering Conference (ISOPE '93); June 6-11, 1993; Singapore. Golden, CO: International Society of Offshore and Polar Engineers; 1993; 1. 690 p. ISBN: 1880653060.
- Clark, C. D. Review: satellite remote sensing for marine pollution investigations. *Marine Pollution Bulletin*. July 1993; 26(7): 357-368.
- Clark, J. R.; Prince, R. C.; Lindstrom J. E. Monitoring ecological/toxicological effects of oil spill bioremediation. Second International Marine Biotechnology Conference (IMBC '91): Program and Abstracts. 1991: 71.
- Clauss, G. Offshore Structures. Elsevier; 1992. ISBN: 0387197095.
- Clauss, G. F.; Spillane, M. W. Optimizing the motion behaviour of offshore structures. Chryssostomidis, C.; (Ed.) Seventh International Conference on the Behaviour of Offshore Structures (BOSS '94); July 12-15, 1994; Cambridge, Massachusetts. Oxford, UK: Pergamon; 1994; 3. ISBN: 0080419151.

- Claxton, L. D. Effect of bioremediation on the mutagenicity of oil spilled in Prince William Sound, Alaska. *Chemosphere*. 1991; 23(5): 643-650.
- Clayton, J. R. Oil Spill Dispersants: Mechanisms of Action and Laboratory Tests. Boca Raton, FL: C. K. Smoley; 1993. 113 p. ISBN: 0873719468.
- Coats, D. A. Deposition of drilling particulates off Point Conception, California. *Marine* Environmental Research, 1994; 37(2): 95-127.
- Cobb, C.; Churchman, R.; Dines, C. How industry completes wells in offshore environments .V. Riserless techniques for servicing or working over deepwater subsea wells. *Ocean Industry*. 1991; 26.
- Cockshutt, C. D.; Fode, G. Condensate cleans up oily produced water. *Oil and Gas Journal*. 1991; 89(47): 74-78.
- Codina, G.; Vaquero, M. T.; Comellas, L.; Brotopuig, F. Comparison of various extraction and clean-up methods for the determination of polycyclic aromatic hydrocarbons in sewage sludge-amended soils. *Journal of Chromatography*, A. July 1, 1994; 673(1): 21-29.
- Cole, G. Mattney. Assessment and Remediation of Petroleum Contaminated Sites. Boca Raton, FL: Lewis Publishers; 1994. 360 p. ISBN: 0873718240.
- Collett, T. S. Potential geologic hazards of Arctic gas hydrates. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Colombo, J. C.; Pelletier, E.; Brochu, C.; Khalil, M.; Catoggio, J. A. Determination of hydrocarbon sources using n-alkane and polyaromatic hydrocarbon distribution indexes case study Rio de la Plata Estuary, Argentina. *Environmental Science and Technology*. 1989; 23(7): 888-894.
- Comer, P. J. Assessing the risk of riser and pipeline failures on offshore installations. *Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production*. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.

- Comet, P. A.; Rafalska, J. K.; Kennicutt II, M. C.; Brooks, J. M. Influence of regional tectonic framework on northern Gulf of Mexico petroleum maturation and accumulation. *AAPG Bulletin*. March 1991; 75(3): 555-556. Special issue: Annual Meeting of the American Association of Petroleum Geologists; April 7-10, 1991; Dallas, Texas.
- Conner, S. L. Riser gas eliminators reduce wellhead pressures on offshore satellite platforms. *JPT: Journal of Petroleum Technology*. March 1994; 46(3): 191.
- Coon, M. D.; Knoke, G. S.; Stika, M. A. Performance and compatibility analysis of four oil-spill fate computer models. *Proceedings of* the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90). 1990; 4.
- Cooney, J. J. Microbial ecology and hydrocarbon degradation. *Alaska Story Symposium;* September 17-18, 1990; Cincinnati, Ohio. 1991: 2.
- Cooper, D.; Keller, L. Oil spill sorbents: testing protocol and certification listing program.

 Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 479-496. ISBN: 0662590503.
- Cooper, G. A. Directional drilling. *Scientific American*. May 1994; 270(5): 82-87.
- Copper, P.; Fay, I.; Geldsetzer, H. H. J.; James, N. P.; Tebbutt, G. E.; (Eds.) An early Silurian reef complex, Manitoulin Islands, northern Ontario reefs: Canada and adjacent areas. Canadian Society of Petroleum Geologists Memoir. December 1988; 13.
- Corseuil, H. X.; Weber, W. J. Potential biomass limitations on rates of degradation of monoaromatic hydrocarbons by indigenous microbes in subsurface soils. *Water Research*. June 1994; 28(6): 1,415-1,423.
- Couillard, D. The use of peat in wastewater treatment: review. *Water Research*. June 1994; 28(6): 1,261-1,274.
- Couillard, D.; Tran, F. T. Mobile system for extracting spilled oil from beach sand. *Environmental Technology*. May 1991; 12(5): 461-469.

- Crane, K.; Pfirman, S. Regional distribution of contaminants in the Arctic. *Arctic Research*. 1994; 8: 116-121.
- Crippen, R. C. GC/LC, Instruments, Derivatives in Identifying Pollutants and Unknowns. New York: Pergamon; 1983. 452 p.
- Crossland, N. O.; Mitchell, G. C.; Dorn, P. B. Use of outdoor artificial streams to determine threshold toxicity concentrations for a petrochemical effluent. *Environmental Toxicology and Chemistry*. 1992; 11(1): 49-59.
- Cuesta, I. Numerical simulation of oil spills in a generalized domain. *Oil and Chemical Pollution*. 1990; 7(2): pp. 143-159.
- Currie, T. J.; Alexander, R.; Kagi, R. I. Coastal bitumens from western Australia: long distance transport by ocean currents. *Organic Geochemistry*. September 1992; 18(5): 595-601.
- Cutright, T. J.; Lee, S. Y. Insitu bioremediation of PAH contaminated soil using *Mycobacterium* sp. *Fresenius Environmental Bulletin*. July 1994; 3(7): 400-406.
- Cutright, T. J.; Lee, S. Y. Microorganisms and metabolic pathways for remediation of PAH contaminated soil. *Fresenius Environmental Bulletin*. July 1994; 3(7): 413-421.
- Cutright, T. J.; Lee, S. Y. Quantitative and qualitative analysis of PAH contaminated soil. *Fresenius Environmental Bulletin*. January 1994; 3(1): 42-48.
- Dale, M. J.; Jones, A. C.; Pollard, S. J. T.; Langridgesmith, P. R. R. Direct determination of polycyclic aromatic hydrocarbons in environmental matrices using laser desorption laser photoionization time-of-flight mass spectrometry. *Analyst*. April 1994; 119(4): 571-578.
- Daling, P. S.; Mackay, D.; Mackay, N.; Brandvik, P. J. Droplet size distributions in chemical dispersion of oil spills: towards a mathematical model. *Oil and Chemical Pollution*. 1991; 7(3): 173-198.

- Daum, P. H.; Al-Sunaid, A.; Busness, K. M.; Hales, J. M.; Mazurek, M. Studies of the Kuwait oil fire plume during midsummer 1991. *Journal of Geophysical Research*. September 20, 1993; 98(D9): 16, 809-16,827.
- Davis, E. L. Effect of temperature and pore size on the hydraulic properties and flow of a hydrocarbon oil in the subsurface. *Journal of Contaminant Hydrology*. May 1994; 16(1): 55-86
- de la Mare, R. F.; Bakouros, Y. L.; Tagaras, G. Understanding pipeline failures using discriminant analysis: the North Sea application. *Reliab. Eng. Sys. Saf.* 1993; 39(1): 71-80.
- Decker, J.; Robinson, M. S.; Clough, J. G.; Lyle, W. M. Geology and petroleum potential of Hope and Selawik Basins, offshore northwestern Alaska. *Marine Geology*. 1989; 90(1-2). Special issue: Studies Related to Continental Margins.
- Degouy, D.; Lecourtier, J.; Marcassa, F.; Forsans, T. Design of environmentally safe drilling fluids: tests under actual bottomhole conditions in an original flow loop. *Proceedings of Offshore Europe '91; September 3-6, 1991; Aberdeen, UK.* Richardson, TX: Society of Petroleum Engineers; 1991: 313-324.
- DeLaune, R. D.; Gambrell, R. P.; Pardue, J. H.; Patrick, W. H. Fate of petroleum hydrocarbons and toxic organics in Louisiana coastal environments. *Estuaries*. March 1990; 13(1): 72-80.
- Deleersnijder, E. Revisiting Nihoul's model for oil slicks transport and spreading on the sea. *Ecological Modelling*. 1992; 64(1): 71-75.
- Desk and Derrick Clubs. *D and D Standard Oil Abbreviator*. 4th ed. Pennwell. 341 p. ISBN: 0878144226.
- Dick, R.; Fingas, M. F. First results of airborne trials of a 64-channel laser fluorosensor for oil detection. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992; 365-379. ISBN: 0662590503.

- Dixon, I. M. T.; (Ed.) Experimental application of oil-based muds and cuttings to seabed sediments. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 133-150.
- Dohse, D. M.; Lion, L. W. Effect of microbial polymers on the sorption and transport of phenanthrene in a low-carbon sand. *Environmental Science and Technology*. April 1994; 28(4): 541-548.
- Dow, F. K.; Davies, J. M.; Raffaelli, D. The effects of drill cuttings on a model marine sediment system. *Marine Environmental Research*. 1990; 29(2): 103-134.
- Dow, W. G.; Yukler, M. A.; Waterman, A. S.; Miano, S. P. Miocene oil source beds in the flexture trend, offshore Texas: geochemistry of Gulf coast oils and gases, their characteristics, origin, distribution, and exploration and production significance. Ninth Annual Research Conference, Gulf Coast Section, Society of Economic Paleontologists and Mineralogists Foundation: Program and Abstracts. 1988; 9.
- Ducreux, J.; Bocard, C. Mobility of soluble and nonsoluble hydrocarbons in contaminated aquifer. *Water Science and Technology*. 1990; 22(6): 27-36.
- Dujmov, J. Contents of polycyclic aromatic hydrocarbons in the Adriatic Sea determined by UV-fluorescence spectroscopy. *Marine Pollution Bulletin*. August 1989; 20(8): 405-409.
- Dunaway, M. E.; Schroeder, P. Minimizing anchoring impacts during construction of offshore oil and gas facilities. *Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988.*Piscataway, NJ: IEEE Service Center; 1988; 1: 268-273.
- Dunlap, W. A.; Hooper, J. R. Gas hydrate influence on deepwater slope stability. *AAPG Bulletin*. June 1990; 74(6). Special issue: Circum-Pacific Energy and Mineral Resources Conference.

- Dussan, E. B.; Auzerais, F. M. Buoyancy-induced flow in porous media generated near a drilled oil well .1. The accumulation of filtrate at a horizontal impermeable boundary. *Journal of Fluid Mechanics*. September 1993; 254: 283-311.
- Dyke, C. A.; Bartels, C. R. Removal of organics from offshore produced waters using nanofiltration membrane technology. *Environmental Progress*. August 1990; 9(3): 183-186.
- Eckenfelder, Jr., W. W.; (Comp.) *In-Situ Treatment* of Contaminated Soil and Rock. Lancaster, PA: Technomic Publishing; 1988. 129 p.
- Efird, K. D. Galvanic corrosion in oil and gas production. *Galvanic Corrosion; November 3-4, 1986; Bakersfield, CA.* Philadelphia, PA: ASTM; 1988: 260-282. (ASTM Special Technical Publication; STP 978).
- Efroymson, R. A.; Alexander, M. Biodegradation in soil of hydrophobic pollutants in nonaqueous-phase liquids (NAPLs). *Environmental Toxicology and Chemistry*. March 1994; 13(3): 405-411.
- Efroymson, R. A.; Alexander, M. Role of partitioning in biodegradation of phenanthrene dissolved in nonaqueous-phase liquids. *Environmental Science and Technology*. June 1994; 28(6): 1,172-1,179.
- Ehrhardt, M.; Petrick, G. Relative concentrations of dissolved/dispersed fossil fuel residues in Mediterranean surface waters as measured by UV fluorescence. *Marine Pollution Bulletin*. November 1989; 20(11): 560.
- El Samra, M. I.; El Deeb, K. Z. Horizontal and vertical distribution of oil pollution in the Arabian Gulf and Gulf of Oman. *Marine Pollution Bulletin*. January 1988; 19(1): 14-18.
- Elektorowicz, M. Bioremediation of petroleum-contaminated clayey soil with pretreatment. *Environmental Technology*. April 1994; 15(4): 373-380.
- Elliott, A. J.; Dale, A. C.; Proctor, R. Modelling the movement of pollutants in the UK shelf seas. *Marine Pollution Bulletin*. December 1992; 24(12): 614-619.

- Engelhardt, F. R.; (Ed.) *Drilling Wastes*. London: Elsevier Applied Science; 1989. 867 p. ISBN: 1851662782.
- Engler, R.; Saunders, L.; Wright, T. The nature of dredged material. *Environmental Professional*. 1991; 13(4): 313-316.
- Erickson, D. C.; Loehr, R. C.; Neuhauser, E. F. PAH loss during bioremediation of manufactured gas plant site soils. *Water Research*. May 1993; 27(5): 911-919.
- Essaid, H. I.; Herkelrath, W. N.; Hess, K. M. Simulation of fluid distributions observed at a crude oil spill site incorporating hysteresis, oil entrapment, and spatial variability of hydraulic properties. *Water Resources Research*. June 1993; 29(6): 1,753-1,770.
- Evans, D. D.; Walton, W. D.; Baum, H. R.;
 Notarianni, K. A.; Lawson, J. R.; Tang, H. C.;
 Keydel, K. R.; Rehm, R. G.; Madrzykowski,
 D.; et al. In-situ burning of oil spills: mesoscale
 experiments. Proceedings of the Fifteenth
 Arctic and Marine Oilspill Program Technical
 Seminar; June 10-12, 1992; Edmonton,
 Alberta, Canada. Ottawa, Ontario, Canada:
 Environment Canada; 1992: 593-657. ISBN:
 0662590503.
- Fanneløp, T. K. Fluid Mechanics for Industrial Safety and Environmental Protection. Amsterdam, The Netherlands: Elsevier; 1994. 546 p. (Industrial Safety Series; v. 3). ISBN: 0444898638.
- Fantoni, R.; Giardiniguidoni, A.; Mele, A.; Pizzella, G.; Teghil, R. Laser degradation of pollutants: polychlorobiphenyls, triazines and polycyclic aromatic hydrocarbons. *Proceedings of the Indian Academy of Sciences: Chemical Sciences.* December 1993; 105(6): 735-746.
- Fazeelat, T.; Alexander, R.; Kagi, R. I. Extended 8,14-secohopanes in some seep oils from Pakistan. *Organic Geochemistry*. March 1994; 21(3-4): 257-264.
- Ferris, J. M.; Gibson, J. A. E.; Burton, H. R. Evidence of density currents with the potential to promote meromixis in ice-covered saline lakes. *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*, 1991; 84(1-4).

- Fingas, M.; Fruhwirth, M.; Gamble, L. Oil spill remote sensing sensors and aircraft.

 Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 407-425. ISBN: 0662590503.
- Fingas, M. F. Effectiveness testing of spill-treating agents. *Oil and Chemical Pollution*. 1991; 7(4): 337-348.
- Fingas, M. F.; Kyle, D. A.; Tennyson, E. J. Physical and chemical studies on oil spill dispersants: effectiveness variation with energy.

 Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 135-142. ISBN: 0662590503.
- Fingas, M. F.; Stoodley, R.; Laroche, N. Effectiveness testing of spill-treating agents. *Oil and Chemical Pollution*. 1990; 7(4): 337-348.
- Fischer, R. C.; Kramer, W.; Ballschmiter, K. Hexachlorocyclohexane isomers as markers in the water flow of the Atlantic Ocean. *Chemosphere*. 1991; 23(7): 889-900.
- Fitzhenry, L. C. Reservoir/well repair and environmental impact management of Cold Lake C7-13 surface discharge. International Association of Drilling Contractors (IADC)/Society of Petroleum Engineers (SPE): Proceedings of the 1991 SPE/IADC Drilling Conference. Society of Petroleum Engineers; 1991: 5-12.
- Fitzpatrick, J. Practical Well Control. 1989.
- Flathman, P. E.; Jerger, D. E.; Exner, J. H.; (Eds.) Bioremediation: Field Experience. Boca Raton, FL: Lewis Publishers; 1994. 560 p. ISBN: 0873717406.
- Ford, E. Oil exploitation at greater depths. Engineering Digest (Toronto). August 1988; 34(4): 17-18.

- Fowler, S. W.; Readman, J. W.; Oregioni, B.; Villeneuve, J. P.; Mckay, K. Petroleum hydrocarbons and trace metals in nearshore Gulf sediments and biota before and after the 1991 war: an assessment of temporal and spatial trends. *Marine Pollution Bulletin*. 1993; 27: 171-182.
- Francy, D. S.; Thomas, J. M.; Raymond, R. L.; Ward, C. H. Emulsification of hydrocarbons by subsurface bacteria. *Journal of Industrial Microbiology*. November 1991; 8(4): 237-245.
- Franke, M. R.; Lugon, H. A. F. Petroleum geology of Campos Basin, Brazil: a successful case history of deep water exploration. *AAPG Bulletin*. May 1990; 74: 5.
- French, D. P. Utilizing numerical models to assess natural resource damages from oil spills: the *World Prodigy* case. *Marine Technological Society Journal*. 1990; 24(4): 16-22.
- Friedheim, J. E.; Park, A.; Hans, G. J.; Ray, C. R. An environmentally superior replacement for mineral-oil drilling fluids. *Proceedings of Offshore Europe '91; September 3-6, 1991; Aberdeen, UK.* Richardson, TX: Society of Petroleum Engineers; 1991.
- Friedmann, Y. Sea-bottom forces crucial in pipeline crossings design. *Oil and Gas Journal. June* 27, 1988; 86(26): 47-50.
- Fry, J. C.; Gadd, G. M.; Herbert, R. A.; Jones, C.
 W.; Watson-Craik, I. A. Microbial Control of Pollution. Cambridge University Press; 1992.
 343 p. (Symposia of the Society for General Microbiology; v. 48). ISBN: 0521420784.
- Gadel, F.; Puigbo, A. Tracers and constituents indicating the nature of organic fluxes, their origin and the effect of environmental conditions. *Continental Shelf Research*. 1990; 10(9-11): 1,039-1,062.
- Galagan, C.; Howlett, E.; Brown, A. J. PC-based visualization of geographically referenced environmental data. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 23-29. ISBN: 0662590503.

- Galka, R. J. Internal and external protection of pipes.

 Eighth International Conference on the
 Internal and External Protection of Pipes.

 1990.
- Gallenkemper, B.; Voss, U. Reduction of oil in sludges from light petroleum separators. *Waste Management and Research*. August 1991; 9(4): 293-304.
- Galt, J. A.; Lehr, W. J.; Payton, D. L. Fate and transport of the Exxon *Valdez* oil spill. *Environmental Science and Technology*. 1991; 25(2): 202-209.
- Gearing, J. N.; Buckley, D. E.; Smith, J. N. Hydrocarbon and metal contents in a sediment core from Halifax Harbour: a chronology of contamination. *Canadian Journal of Fisheries and Aquatic Sciences*. December 1991; 48(12): 2,344-2,354.
- Geng, Z.; Ni, Y.; Zhou, A. Numerical study of oil pollution on sea waters. *China Ocean Engineering*. 1992; 6(1): 95-102.
- Gerber, M.; Engelbrecht, L. The bilinear oscillator: the response of an articulated mooring tower driven by irregular seas. *Ocean Engineering*. 1993; 20(2): 113-133.
- Germani, C. Microbes get chance at oil slick. *Christian Science Monitor*. 1990; 82(141): 8.
- Germani, C. Microbes helpful in oil cleanup, harmless to natural surroundings. *Christian Science Monitor*. 1990; 82(143): 8.
- Ghurye, G. L.; Vipulanandan, C.; Willson, R. C. A practical approach to biosurfactant production using nonaseptic fermentation of mixed cultures. *Biotechnology and Bioengineering*. August 2, 1994; 44(5): 661-666.
- Gibbons, K. H. Maintain offshore oil production, reduce the risk of oil contamination. Petro-Safe '89: International Exhibition and Conference for Environmental and Safety Concerns of the Energy Industries. 1989.
- Gildow-Owens, N. Extended-reach drilling: curving production. *MMS Today*. November 1993; 4(1): 15.

- Gillam, A. H. Chemical monitoring of offshore oil and gas operations. Ogden, P. H.; (Ed.) Chemicals in the Oil Industry: Third International Symposium; April 19-20, 1988; Manchester, England. London, England: Royal Society of Chemistry; 1988; VIII: 244-259. 284 p. (Royal Society of Chemistry Special Publication. v. 67). ISBN: 0851867367.
- Giordano, P. Crack detection on offshore structures by an electromagnetic method. Grenoble, France: CEA Centre d'Etudes Nucleaires de Grenoble, Lab, d'Electronique et de Technologie de l'Informatique; June 1991; FRCEA-TH 348. 240 p.
- Glaser, J. A. Nutrient-enhanced bioremediation of oil-contaminated shoreline: the *Valdez* experience. *In*: Hinchee, R. E.; Olfenbuttel, R. F.; (Eds.) *On-Site Bioreclamation: Processes for Xenobiotic and Hydrocarbon Treatment*. Boston, MA: Butterworth-Heinemann; 1991. 366-384.
- Goethaert, S.; Dotremont, C.; Kuijpers, M.; Michiels, M.; Vandecasteele, C. Coupling phenomena in the removal of chlorinated hydrocarbons by means of pervaporation. *Journal of Membrane Science*. March 1993 25; 78(1-2): 135-145.
- Going, W. S.; Pringle, R. E. Safety valve technology for the 1990's. *Proceedings: European Petroleum Conference; October 17-19, 1988.* Richardson, TX: Society of Petroleum Engineers of AIME; 1988: 545-552.
- Goldman, J. L. Shock absorber for the leg structure of offshore jack-up rig. August [1991?].
- Gomez-Lahoz, C.; Rodriguez-Maroto, J. M.; Wilson, D. J. Biodegradation phenomena during soil vapor extraction: a high-speed nonequilibrium model. *Separation Science and Technology*. 1994; 29(4): 429-463.
- Goodman, R.; Nadeau, S.; Holoboff, A. The development and use of contemporary oil spill models in the preparation of a response plan for Cold Lake bitumen. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 1-10. ISBN: 0662590503.

- Goodson, J.; Tilton, T. Effects of low temperatures on elastomeric sealing elements in downhole completion tools. *Materials Engineering:*Proceedings of the Eleventh International Offshore Mechanics and Arctic Engineering Symposium, 1992; June 7-12, 1992; Calgary, Alberta, Canada. New York: American Society of Mechanical Engineers; 1992; 3 (part A): 231-240.
- Grantz, A.; May, S. D.; Dinter, D. A. Geologic framework, petroleum potential, and environmental geology of the United States Beaufort and northeasternmost Chukchi Seas: geology and exploration of the national petroleum reserve in Alaska, 1974 to 1982. 1988. 231-256. (US Geological Survey Professional Paper; 1399).
- Grasso, Domenic. *Hazardous Waste Site Remediation: Source Control.* Boca Raton, FL:
 Lewis Publishers; 1993. 624 p. ISBN:
 1566700566.
- Greene, H. G.; Macfarlane, A.; Wong, F. L.; Greene, H. G.; Wong, F. L. Geology and offshore resources of Vanuatu: introduction and summary; geology and offshore resources of Pacific island arcs, Vanuatu region. [Circum-Pacific Council for Energy and Mineral Resources]; 1988. (Earth Science Series).
- Grimalt, J. O. Microbial degradation of marine evaporitic crude oils. *Geochimica et Cosmochimica Acta*. 1991; 55(7): 1,903-1,913.
- Grimalt, J. O.; Canton, L.; Alonso, B. Spatial and temporal variance of hydrocarbon pollution data in a coastal river-influenced sedimentary system. *Environmental Science and Technology*. 1992; 26(11): 2,240-2,251.
- Grimalt, J. O.; Canton, L.; Olive, J. Source input elucidation in polluted coastal systems by factor analysis of sedimentary hydrocarbon data. *Chemometrics and Intelligent Laboratory Systems*, January 1993; 18(1): 93-109.
- Grue, J.; Palm, E. A boundary element method for predicting wave forces on marine bodies with slow yaw-motion. Chryssostomidis, C.; (Ed.) Seventh International Conference on the Behaviour of Offshore Structures (BOSS '94); July 12-15, 1994; Cambridge, Massachusetts. Oxford, UK: Pergamon; 1994. ISBN: 0080419151.

- Gundlach, E. R.; McCain, J. C.; Fadlallah, U. H. Distribution of oil along the Saudi Arabian coastline (May/June 1991) as a result of the Gulf War oil spills. *Marine Pollution Bulletin*. 1993; 27: 93-96.
- Guzzella, L.; De Paolis, A.. Polycyclic aromatic hydrocarbons in sediments of the Adriatic Sea. *Marine Pollution Bulletin*. March 1994; 28(3): 159-165.
- Hahn, G. D. Sensitivity of the dynamic response of simple offshore structural models. *Ocean Engineering*, 1992; 19(3): 289-301.
- Hale, A. H.; Dewan, A. K. R. Inhibition of gas hydrates in deepwater drilling. SPE (Society of Petroleum Engineers) Drilling Engineering. June 1990; 5(2).
- Hale, A. H.; Dewan, A. K. R. Inhibition of gas hydrates in deepwater drilling. SPE/IADC 1989 Drilling Conference; February 28-March 3, 1989. Richardson, TX: Society of Petroleum Engineers of AIME; 1989: 195-203.
- Hamilton, E. I. Distribution of oil-degrading bacteria in the northwest Arabian Gulf. *Marine Pollution Bulletin*. January 1990; 21(1): 38-40.
- Hamlin, H. S. Hydrocarbon production and exploration potential of the Distal Frio Formation, Texas Gulf coast and offshore. *Geological Circular* (University of Texas, Bureau of Economic Geology). 1989.
- Hanson, K. G.; Desai, J. D.; Desai, A. J. A rapid and simple screening technique for potential crude oil degrading microorganisms. *Biotechnology Techniques*. October 1993; 7(10): 745-748.
- Hardin, D. D.; Graves, D.; Imamura, E. Investigating seafloor disturbances with a small ROV. *Marine Technological Society Journal*. 1993; 26(4): 40-45.
- Hargreaves, J. H.; Silvster, R. S. Computational fluid dynamics applied to the analysis of deoiling hydrocyclone performance. *Chemical Engineering Research and Design*. July 1990; 68(A4).
- Hatchwell, P. K. Environmental impacts relating to subsidence in oilfields: using Wytch Farm oilfield, Dorset as a case-study. *Environmental Education and Information*. 1990; 9(1).

- Hawkins, J. M.; Luffel, D. L.; Harris, T. G. Technology: capillary pressure model predicts distance to gas/water, oil/water contact. *Oil and Gas Journal*. January 1, 1993; 91(3): 39-43.
- Hayes, M. O.; Michel, J.; Montello, T. M.; Aurand,
 D. V.; Al-Mansi, A. M.; Al-Moamen, A.
 Halim; S., Theodor C.; T., Gordon W.
 Distribution and weathering of shoreline oil one year after the Gulf War oil spill. *Marine Pollution Bulletin*. 1993; 27: 135-142.
- Hedberg, S. A.; Knight, R. J.; Mackay, A. L.; Whittall, K. P. The use of nuclear magnetic resonance for studying and detecting hydrocarbon contaminants in porous rocks. *Water Resources Research*. April 1993; 29(4): 1163-1170.
- Heinke, G. W.; Smith, D. W.; Finch, G. R. Guidelines for the planning and design of wastewater lagoon systems in cold climates. *Canadian Journal of Civil Engineering*. 1991; 18(4): 556-567.
- Heitzer, A.; Sayler, G. S. Monitoring the efficacy of bioremediation. *Trends in Biotechnology*. August 1993; 11(8): 334-343.
- Hemond, H. F.; Fechner, E. J. *Chemical Fate and Transport in the Environment*. San Diego, CA: Academic Press; 1994, viii, 338 p.
- Henkel, C. New drilling fluid, PetrofreeTM. *European Chemical News*. March 1991 2; 56(1457): 27.
- Henkel, K. G. Borehole-cleaning fluid is environmentally acceptable. *Chemical Engineering*. February 1991; 98(2): 25.
- Herbich, J. B. Handbook of Coastal and Ocean Engineering: Volume 3, Harbors, Navigational Channels, Estuaries and Environmental Effects. Houston, TX: Gulf Publishing; 1991. ISBN: 0872014525.
- Herman, D. C.; Fedorak, P. M.; Mackinnon, M. D.; Costerton, J. W. Biodegradation of naphthenic acids by microbial populations indigenous to oil sands tailings. *Canadian Journal of Microbiology*. June 1994; 40(6): 467-477.

- Hibner, E. L.; Salama, M. M.; Rhee, H. C.; Williams, J. G.; Liu, S. A new age-hardenable corrosion resistant alloy for deep sour gas well service. Proceedings of the Ninth International Conference on Offshore Mechanics and Arctic Engineering, 1990; February 18-23, 1990; Houston, Texas. New York: American Society of Chemical Engineers; 1990: 631-638.
- Hinchee, R. E.; Olfenbuttel, R. F. On-Site Bioreclamation: Process for Xenobiotic and Hydrocarbon Treatment. Boston, MA: Butterworth-Heinemann; 1991.
- Hinchee, R. E.; (Ed.) Air Sparging for Site Remediation. Boca Raton, FL: Lewis Publishers; 1994. 152 p. ISBN: 1566700841.
- Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994. 477 p. ISBN: 0873719840.
- Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994, 485 p. ISBN: 0873719824.
- Hinchee, R. E.; Leeson, A.; Semprini, L.; Ong, S. K.; (Eds.) Bioremediation of Chlorinated and Polycyclic Aromatic Hydrocarbon Compounds. Boca Raton, FL: Lewis Publishers; 1994. 525 p. ISBN: 0873719832.
- Hines, F. C.; Jennings, C. E. Advancements in field installation of preloaded subsea wellhead systems for TLP and high-fatigue environments. Proceedings of Offshore Europe '91; September 3-6, 1991; Aberdeen, UK. Richardson, TX: Society of Petroleum Engineers; 1991: 245-252.
- Hinton, R. O. Cost-saving applications of harsh environment jackups and associated contracting philosophy implications. *Proceedings of the 1991 SPE (Society of Petroleum Engineers)/IADC (International Association of Drilling Contractors) Drilling Conference*. Society of Petroleum Engineers; 1991: 685-698.

- Hodgins, D. O.; Hardy, J. S. Performance of the SeaSonde high-frequency radar for surface current measurements. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 335-348. ISBN: 0662590503.
- Hodgins, D. O.; Huang, J. H.; Fingas, M. F. Oil spill modelling using remote sensed surface currents. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 381-405. ISBN: 0662590503.
- Hoeppel, R. E.; Hinchee, R. E.; Arthur, M. F. Bioventing soils contaminated with petroleum hydrocarbons. *Journal of Industrial Microbiology*. October 1991; 8(3): 141-146.
- Hoff, R. Z. Bioremediation: an overview of its development and use for oil spill cleanup. *Marine Pollution Bulletin*. September 1993; 26(9): 476-481.
- Holt, T.; Lindeberg, E. G. B. Offshore gas power, without greenhouse gases and with improved oil recovery: research and development in natural gas applications [Forskning og utvikling innenfor naturgassanvendelse].

 Nordic Conference on Research and Development in Natural Gas Applications; Hoersholm (Denmark). 1990.
- Holubec, M. Bioremediation of ground water contaminated with oil and chlorinated organic compounds. *Biologia*. 1993; 48(3): 294.
- Hooker, B. S.; Skeen, R. S.; Petersen, J. N.
 Biological destruction of CCl₄.2. Kinetic modeling. *Biotechnology and Bioengineering*.
 June 2, 1994; 44(2): 211-218.
- Hopman, R. J. Are dredges effective tools for oil spill recovery operations? *Terra et Aqua*. 1993; 51: 21-32.

- Horn, R.; Moreira, A. Archimedes 2A experiment on oil slick detection over the North Sea, April 1988: measurement results obtained by the E-Sar system of the Aerospace Research Establishment. Oberpfaffenhofen, Germany, FR: Deutsche Forschungs-und Versuchsanstalt für Luft-und Raumfahrt e.V.; February 1989; DFVLR-MITT-89-08. 46 p.
- Hosny, A. Y. Electroflotation technique for removing petroleum oil waste. *Bulletin of Electrochemistry*, 1991; 7(1): 38-40.
- Hostettler, F. D.; Rapp, J. B.; Kvenvolden, K. A. Use of geochemical biomarkers in bottom sediment to track oil from a spill, San Francisco Bay, California. *Marine Pollution Bulletin*. January 1992; 24(1): 15-20.
- Hudgins, Jr., C. M. Chemical treatments and usage in offshore oil and gas production systems. *JPT: Journal of Petroleum Technology*. May 1992; 44(5): 604-611.
- Hudgins, Jr., C. M. Chemical use in North Sea oil and gas E and P. *JPT: Journal of Petroleum Technology*. January 1994; 46(1): 67-74.
- Hughes, T. L. Chemical monitoring of mud products on drilled cuttings. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991.
- Hung, S.; Mangiavacchi, A. Semisubmersible sizing and modification strageties. *Proceedings of the* 22nd Annual Offshore Technology Conference and Exhibition (OTC '90). 1990; 2.
- Hunt, C. D. The Offshore Petroleum Regimes of Canada and Australia. 1989. ISBN: 091926929X.
- Hurford, N. The use of a satellite-tracked buoy to monitor the movement of an oil slick at sea. *Oil and Chemical Pollution*. 1990; 6(2): 101-112.
- Hurford, N.; Tookey, D. Use of airborne remote sensing equipment for detecting discharges of oil from offshore installations. *Oil and Chemical Pollution*. 1990; 6(1): 69.
- Hustavova, H.; Havranekova, D. Selection of microorganisms for biodegradation of crude oil carbohydrates. *Ekologia Bratislava*. 1994; 13(2): 123-130.

- Huyakorn, P. S.; Wu, Y. S.; Park, N. S. An improved sharp-interface model for assessing NAPL contamination and remediation of groundwater systems. *Journal of Contaminant Hydrology*. August 1994; 16(3): 203-234.
- Idichandy, V. G.; Ganapathy, C. Modal parameters for structural integrity monitoring of fixed offshore platforms. *Experimental Mechanics*. 1990; 30(4).
- Inaba, A. Developments in using coal and problems in generation of carbon dioxide. *Nenryo Kyokaishi*. (1991); 70((5)): 382-8.
- Issler, D. R. Hydrodynamics and overpressuring in the Jeanne D'Arc basin, offshore Newfoundland, Canada: possible implications for hydrocarbon exploration. *Bulletin of Canadian Petroleum Geology*. June 1994; 42(2): 263-265.
- Jackson, G. F.; Hume, E.; Wade, M. J.; Kirsch, M. Oil content in produced brine on ten Louisiana production platforms. 1981.
- Jadamec, M. P.; Johnson, J. W. Alarming oil spills with a fluorometer. *Sea Technology*. 1992; 33(9): 67-71.
- Jafvert, C. T.; Rogers, J. E. Biological remediation of contaminated sediments, with special emphasis on the Great Lakes: a workshop report. Athens, GA: US Environmental Protection Agency, Environmental Research Laboratory; April 1991; EPA/600/S9-91/001.
- Janiyani, K. L.; Wate, S. R.; Joshi, S. R. Solubilization of hydrocarbons from oil sludge by synthetic surfactants. *Journal of Chemical Technology and Biotechnology*. 1993; 56(3): 305-308.
- Javanmardi, K.; Flodberg, K. D.; Nahm, J. J. Drilling technology report: mud to cement technology proven in offshore drilling project. *Oil and Gas Journal*. February 1, 1993; 91(7): 49-57.
- Jenkins, M. B.; Lion, L. W. Mobile bacteria and transport of polynuclear aromatic hydrocarbons in porous media. *Applied and Environmental Microbiology*. October 1993; 59(10): 3,306-3,313.

- Jensen, J. R.; Narumalani, S.; Weatherbee, O.; Murday, M.; Sexton, W. J.; Green, C. J. Coastal environmental sensitivity mapping for oil spills in the United Arab Emirates using remote sensing and GIS technology. *Geocarto International*. 1993; 8(2): 5-13.
- Jensen, M. H. B. GPS in offshore oil and gas exploration. *Hydrogr. Journal*. 1992; 66: 17-23.
- Juwarkar, A.; Khirsagar, D. G. Emulsification and oil degradation by marine bacteria. *Indian Journal of Marine Sciences*. 1991; 20(1): 78-79
- Kampfer, P.; Steiof, M.; Becker, P. M.; Dott, W. Characterization of chemoheterotrophic bacteria associated with the in situ bioremediation of a waste-oil contaminated site. *Microbial Ecology*. September 1993; 26(2): 161-188.
- Kane, L.; Gonzalez, R.; Romanow-Garcia, S.; (Eds.) Literature capsules: pollution control and loss prevention. *Hydrocarhon Processing*. February 1993; 72(2): 113-114.
- Kareem, A. Response of tension leg platforms to wind, waves, and currents: a frequency domain approach. *Proceedings of the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90)*. 1990; 2.
- Karol', I. L.; Ozhigina, N. A.; Rozanov, Ye. V.; Frol'kis, V. A. Model estimates of possible climate consequences of massive oil fires at Kuwait oil wells. *Izvestiya: Atmospheric and Oceanic Physics*. 1993; 28(8): 618-625.
- Kassabs, W. H. A.; Shewky, M. A.; Veziroglu, T. N. Drag reduction in distinctly different two-phase flow regimes. *Proceedings of the Ninth Miami International Congress on Energy and Environment.* 1989; 1-2: Abstracts.
- Kennes, C.; Lema, J. M. Degradation of major compounds of creosotes (PAH and phenols) by phanerochaete *Chrysosporium*. *Biotechnology Letters*. July 1994; 16(7): 759-764.
- Kennicutt II, M. C.; McDonald, T. J.; Denoux, G. J.; McDonald, S. J. Hydrocarbon contamination on the Antarctic Peninsula .I. Arthur Harbor: subtidal sediments. *Marine Pollution Bulletin*. October 1992; 24(10): 499-506.

- Kenny, P. Ester-based muds show promise for replacing some oil-based muds. *Oil and Gas Journal*. November 8, 1993; 91(45): 88-91.
- Kerry, E. Bioremediation of experimental petroleum spills on mineral soils in the Vestfold Hills, Antarctica. *Polar Biology*. April 1993; 13(3): 163-170.
- Khire, J. M.; Khan, M. I. Microbially enhanced oil recovery (MEOR) .2. Microbes and the subsurface environment for MEOR. *Enzyme and Microbial Technology*. March 1994; 16(3): 258-259.
- Khorasani, G. K. Factors controlling source rock potential of the Mesozoic coal-bearing strata from offshore central Norway: application to petroleum exploration. *Bulletin of Canadian Petroleum Geology*, 1989; 37(4).
- Khvedtchuk, I. The petroleum basins of the Northwest Pacific. *AAPG Bulletin*. May 1990; 74(5).
- Kimura, B. Utilization of hydrocarbon substrates by heavy oil-degrading bacteria isolated from the sea water of oil-polluted Bisan Seto. *Nippon Suisan Gakkaishi*. 1990; 56(5): 771-776.
- King, R. B.; Long, G. M.; Sheldon, J. K. Practical Environmental Bioremediation. Boca Raton, FL: Lewis Publishers; 1992. 200 p. ISBN: 0873714377.
- Kiss, G.; Compaan, H.; Hoekstra, E. J. Application of deuterated PAHs for the determination of PAHs in environmental samples. *Magyar Kemiai Folyoirat*. May 1993; 99(5): 200-204. Note: In Hungarian.
- Knott, D. More North Sea oil flowing despite stormy disruptions. *Oil and Gas Journal*. November 1, 1993; 91(44): 23-28.
- Knudsen, K.; Stenby, E. H.; Andersen, J. G. Modelling the influence of pressure on the phase behavior of systems containing water, oil and nonionic surfactants. *Fluid Phase Equilibria*. February 1, 1994; 93: 55-74.
- Kobayashi, H.; Rittmann, B. E. Microbial removal of hazardous organic compounds. *Environmental Science and Technology*. 1982; 16: 170A-183A.

- Kong, V. W. T.; Smethurst, J.; Chiem, B. H.;
 Stewart, R. C.; Teh, G. H. 3D marine
 exploration seismic survey in shallow water
 area, offshore Sabah. Warta Geologi
 [Newsletter of the Geological Society of
 Malaysia]. 1989; 15. Special issue: Thirteenth
 Petroleum Geology Seminar, Geological
 Society of Malaysia.
- Kostecki, P. T.; Calabrese, E. J.; Bell, C. E., Conference Directors. Hydrocarbon Contaminated Soils and Groundwater: Analysis, Fate, Environmental and Public Health Effects, and Remediation. Boca Raton, FL: Lewis Publishers; 1993. 704 p. (Proceedings of the 1990-1992 Conferences; v. 3). ISBN: 0873719336.
- Krahl, R. B. Offshore structures for deep ocean oil and gas operations. Seventeenth meeting of the Marine Facilities Panel of the United States-Japan Cooperative Program in Natural Resources (UJNR); May 1991; United States-Japan Cooperative Program in Natural Resources. Washington, DC: US Department of Commerce, National Oceanic and Atmospheric Administration; 1991.
- Kumar, R.; Goyal, K. L. Suitability of indigenous dispersants in combating oil spills. *Journal of Environmental Biology*. June 1989; 10(Suppl. 2): 173.
- Kutty, P. S. N.; Agarwal, V. K. Application of seismic stratigraphy in oil exploration with examples from western offshore. *Journal -Geological Society of India*. 1993; 41(4): 319-329.
- Kvenvolden, K. A.; Hostettler, F. D.; Rapp, J. B.; Carlson, P. R. Hydrocarbons in oil residues on beaches of islands of Prince William Sound, Alaska. *Marine Pollution Bulletin*. January 1993; 26(1): 24-29.

- Kvenvolden, K. A.; Rapp, J. B.; Hostettler, F. D. Tracking hydrocarbons from the Exxon *Valdez* oil spill in beach, shallow-water, and deepwater sediment of Prince William Sound, Alaska. Carlson, P. R.; (Ed.) Sediment of Prince William Sound, beach to deep fjord floor, a year after the Exxon *Valdez* oil spill. Fairbanks, AK: Alaska Division of Geology and Geophysics Survey; 1991. 69-98. US Geological Survey Open File Report; OP-91-0631.
- Kvitrud, A.; Nilsson, K. L. Environmental loads on structures NPD: guidelines for loads and load effects. Proceedings of the Eighth International Conference on Offshore Mechanics and Arctic Engineering, 1989; March 19-23, 1989; Stavangver, Norway. New York: American Society of Mechanical Engineers; 1989; 4: 133-138.
- Ladanowski, C.; Petti, L. Removal of petroleumderived hydrocarbons from contaminated soils by solvent extraction. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 505-521. ISBN: 0662590503.
- Lanan, G. A.; Barry, D. W. Mobile Bay corrosive gas flow lines use new material, design. *Oil and Gas Journal*. 1992; 90(43): 71-76.
- Langenkamp, R. D. Handbook of Oil Industry Terms and Phrases. Pennwell; 1994. 512 p. ISBN: 0878144218.
- Latimer, J. S.; Quinn, J. G. Role of resuspended sediments in the transport and bioaccumulation of toxic organic contaminants in nearshore marine environment: annual report, 1 June 1991-31 May 1992. University of Rhode Island, Graduate School of Oceanography; 1992; AFOSR-TR 92-9748. 18 p.
- Le Tirant, P. Design Guides for Offshore Structures: Foundations in Carbonate Soils. Editions Technip; 1994. 204 p. ISBN: 2710806657.
- Leadholm, R. H. Petroleum geology of heavy oil in the Oriente Basin of Ecuador: exploration and exploitation challenge for the 1990s. *AAPG Bulletin*. May 1990; 74(5).

- Leahy, J. G.; Colwell, R. R. Microbial degradation of hydrocarbons in the environment. *Microbiological Reviews*. 1990; 54(3): 305-315
- Lee, C. H.; Newman, J. N. Second-order wave effects on offshore structures. Chryssostomidis, C.; (Ed.) Seventh International Conference on the Behaviour of Offshore Structures (BOSS '94); July 12-15, 1994; Cambridge, Massachusetts. Oxford, UK: Pergamon; 1994. ISBN: 0080419151.
- Lee, D.; Choi, H. S. A numerical model for the movement of oil slick at sea. Chung, J. S.; Natvig, B. J.; Das, B. M.; Li, Y.-C.; (Eds.) The Proceedings of the Third (1993) International Offshore and Polar Engineering Conference (ISOPE '93); June 6-11, 1993; Singapore. Golden, CO: International Society of Offshore and Polar Engineers; 1993; 1: 232-237. 690 p. ISBN: 1880653060.
- Lee, K.; Levy, E. M. Bioremediation: waxy crude oils stranded on low-energy shorelines.

 Proceedings of the 1991 Oil Spill Conference;
 March 4-7, 1991; San Diego, California.
- Lehr, W. J.; Overstreet, R.; Jones, R.; Watabayashi, G. ADIOS-automated data inquiry for oil spills. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 31-45, ISBN: 0662590503.
- Lennox, R. Frogmat used to combat huge oil spill in the Shetlands. *Dock Harbour Authority*. 1993; 73(842): 205-206.
- Lewis, G.; DeGruy, P.; Avery, L. Hurricane-damaged Gulf of Mexico pipeline repaired with cold forging. *Oil and Gas Journal*. May 3-6, 1993; 91(18): 55-62.
- Li, J. Experiment of microbial degradation in marine oil slicks enhanced by a slow-release fertilizer. *Journal of Ocean University, Qingdao.* 1990; 20(3): 84-90. Note: Abstract in English.
- Liddle, C. J. Removal and recovery of hydrocarbons from oil-based drilling muds and cuttings.

 Petro-Safe '89: International Exhibition and Conference for Environmental and Safety Concerns of the Energy Industries. 1989.

- Lindstedt-Siva, J. Approaches to planning for dispersant use in oil spill response. Oil dispersants: new ecological approaches. Philadelphia, PA: American Society for Testing and Materials; 1989; STP 1018. 104-113.
- Lindstrom, J. E.; Prince, R. C.; Clark, J. C.; Grossman, M. J.; Yeager, T. R.; Braddock, J. F.; Brown, E. J. Microbial populations and hydrocarbon degradation potentials in fertilized shoreline sediments affected by the T/V Exxon Valdez oil spill. Applied and Environmental Microbiology. 1991; 57: 2,514-2,522.
- Lipiatou, E.; Saliot, A. Fluxes and transport of anthropogenic and natural polycyclic aromatic hydrocarbons in the western Mediterranean Sea. *Marine Chemistry*. 1991; 32(1): 51-71.
- Lipiatou, E.; Saliot, A. Fluxes and transport of anthropogenic and natural polycyclic aromatic hydrocarbons in the western Mediterranean Sea. *Marine Pollution Bulletin*. June 1991; 22(6): 297-304.
- Little, D. I.; (Ed.) The physical fate of weathered crude and emulsified fuel oils as a function of intertidal sedimentology. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 1-3.
- Livbjerg, F.; Mjoes, R.; Collinson, J. D., (Ed.) The Cook Formation, an offshore sand ridge in the Oseberg area, northern North Sea. Conference on Correlation in Hydrocarbon Exploration; October 3-5, 1988; Bergen, Norway. 1989.
- Lizarraga-Partida, M. L.; Vicuna, F. B. I.; Chang, I. W. Marine oil degrading bacteria related to oil inputs and surface currents in the western Caribbean Sea. *Oil and Chemical Pollution*. 1990; 7(4): 271-281.
- Lo, J. M. Oil spill risk simulation model. *Journal of [Waterways], Port, Coast and Ocean Engineering* (American Society of Civil Engineers). 1991; 117(3): 285-300.

- Lonoy, A. Environmental setting and diagenesis of lower Permian palaeoaplysinid build-ups and associated sediments from Bjornoya: implications for the exploration of the Barents Sea. *Journal of Petroleum Geology*. April 1988; 11(2): 141-156.
- Losada, P. P.; Lozano, J. S.; Rodriguez, V. G.; Gandara, J. S. Determination of total oil in petroleum tanker ballast water by zeroth-derivative, 1st-derivative and 2nd-derivative infrared spectrophotometry and least-squares curve fitting. *Vibrational Spectroscopy*. June 1993 30; 5(2): 245-251.
- MAFF (Directorate of Fisheries Research).

 Monitoring and surveillance of non-radioactive contaminants in the aquatic environment and activities regulating the disposal of wastes at sea, 1988-1989. Aquatic and Environmental Monitoring Report. 1991; 26: 1-90.
- McCabe, C. New production concept for deepwater Gulf of Mexico. *Ocean Industry*. 1992; 27(7): 128-131.
- McCain, J. C.; Beard, D. W.; Fadlallah, Y. H. The influence of the Kuwaiti oil well fires on seawater temperature in the western Gulf.

 Marine Pollution Bulletin. 1993; 27: 79-83.
- McDonagh, M.; Colcomb-Heiliger, K. Aerial spraying of demulsifiers to enhance the natural dispersion of oil slicks. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 107-121. ISBN: 0662590503.
- McFarlane, K.; Nguyen, V. T. Deposition of drill cuttings on the seabed. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 2.
- McGhee, M. D. Computerized delineation of depositional environments, McAllen-Pharr field area, Hidalgo County, Texas. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.

- Madsen, E. L.; Sinclair, J. L.; Ghiorse, W. C. In situ biodegradation: microbiological patterns in a contaminated aquifer. *Science*. May 10, 1991; 252(5007): 830-833.
- Maher, W. A.; Aislabie, J. Polycyclic aromatic hydrocarbons in nearshore marine sediments of Australia. *Science of the Total Environment*. March 1992; 112(2-3): 143-164.
- Maldonato, T. J.; Uchrin, C. G. Petroleum hydrocarbons in detention-basin sediments. Journal of Environmental Engineering - ASCE. May 1994; 120(3): 683-690.
- Malley, J. P.; Eliason, P. A.; Wagler, J. L. Point-ofentry treatment of petroleum contaminated water supplies. *Water Environment Research*. March 1993; 65(2): 119-128.
- Manikian, V.; Machemehl, J. L.; Senneset, K.; (Ed.) Offshore seawater treating plant for waterflood project, Prudhoe Bay oil field, Alaska, USA. *Permafrost: Fifth International Conference*, *Proceedings*. 1988; 5(2).
- March, D. Arctic engineering for offshore resources: observations from the Canadian Beaufort Sea and of iceworthy vessel research. *Journal of the Society for Underwater Technology*. December 1988; 14(4): 29-35.
- Marzano, M. S.; Pense, G. M.; Andronaco, P.;
 Weidie, A.; Kohl, B.; Fillon, R. A comparison of the Jurassic Norphlet Formation in Mary Ann Field, Mobile Bay, Alabama to onshore regional Norphlet trends. *Transactions Gulf Coast Association of Geological Societies*.
 1988; 38. Special issue: The Gulf Coast Section of the American Association of Petroleum Geologists, 38th Annual Meeting; AAPG Regional Meeting and Gulf Coast Section SEPM, 35th Annual Meeting; Field Trip Guidebook, Gulf Coast Association of Geological Societies.
- Mattavelli, L.; Novelli, L. Burial history influence on the generation of some Italian oils. *AAPG Bulletin*. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Measures, R. M. Laser remote sensing searchlight on the environment. *Endeavour* (Oxford). 1989; 13(3): 108-116.

- Merlin, F. X.; Le Guerroue, P.; Quere, C.;
 Chaumery, C. J.; Oudot, J. Elaboration of an experimental method to assess biodegradation agents: bioremediation trials on oil-polluted beach. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada: 1992; 723-738. ISBN: 0662590503.
- Mills, S. A.; Frankenberger, Jr., W. T. Evaluation of phosphorus sources promoting bioremediation of diesel fuel in soil. *Bulletin of Environmental Contamination and Toxicology*. 1994; 53: 280-284.
- Minton, R. C. A discussion of how to minimize drill fluid environmental aspects. *Ocean Industry*. 1991; 26(6): 29-31.
- Minton, R. C. How to minimize drill fluid environmental impacts. *Ocean Industry*. 1991; 26(6): 29-31, 33.
- Miskovic, D. Investigation of an innovative technology for oil-field brine treatment. Fourteenth Biennial Conference of the International Association on Water Pollution Research and Control; July 18-21, 1988; Brighton, England. Oxford, England: Pergamon; 1989. Note: Published in Water Science and Technology, 1989, 21(12): 1849-1852.
- Mitchell, C. T. Synthesis of Environmental Information on Causeways in the Nearshore Beaufort Sea, Alaska: Workshop Proceedings, Final Report; April 17-20, 1989; Anchorage, Alaska. May 1990: OCS/MMS 89/0038. 164 p.
- Mitchell, J. B. A.; Moir, M. E. Smoke reduction from pool fires using ferrocene and derivatives. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 681-687. ISBN: 0662590503.
- Mohriak, W. U.; Mello, M. R.; Dewey, J. F.; Maxwell, J. R.; Brooks, J. Petroleum geology of the Campos Basin, offshore Brasil Classic petroleum provinces. 1990. (Geological Society (London) Special Publication; 50).

- Molenaar, C. M.; Bird, K. J.; Magoon, L. B. Petroleum geology of the coastal plain of the Arctic National Wildlife Refuge, northeastern Alaska. *AAPG Bulletin*. May 1990; 74.
- Moller, T. H. Recent experience of oil sinking.

 Proceedings of the Fifteenth Arctic and Marine
 Oilspill Program Technical Seminar; June 1012, 1992; Edmonton, Alberta, Canada. Ottawa,
 Ontario, Canada: Environment Canada; 1992:
 11-14. ISBN: 0662590503.
- Monastersky, R. Geologic detectives track string of spills. *Science News*. September 1, 1993; 144(11): 165.
- Montgomery, A. D.; McInerney, M. J.; Sublette, K. L. Microbial control of the production of hydrogen sulfide by sulfate-reducing bacteria. *Biotechnology and Bioengineering*. 1990; 35(5): 533-539.
- Morris, W. R.; Busby-Spera, C. A structurally controlled fan-delta complex at the southern margin of the peninsular range forearc basin complex (Baja California). *AAPG Bulletin*. May 1990; 74(5).
- Mudford, B. S. Modeling the occurrence of overpressures on the Scotian Shelf, offshore eastern Canada. *Journal of Geophysical Research*. 1988; 93(B7).
- Mueller, J. G.; Lin, J. E.; Lantz, S. E.; Pritchard, P. H. Recent developments in cleanup technologies. *Remediation*. June 1993; 369-381.
- Mueller, J. G.; Resnick, S. M.; Shelton, M. E.; Pritchard, P. H. Effect of inoculation on the biodegradation of weathered Prudhoe Bay crude oil. *Journal of Industrial Microbiology*. 1992; 10: 95-102.
- Muench, R. D.; Temple, P. R.; Gunn, J. T.; Hachmeister, L. E. Coastal oceanography of the northeastern Gulf of Alaska (baseline study, petroleum spills). Anchorage, AK: National Ocean Service, Ocean Assessments Division; 1982; PB87-198867; PC A99/MF E04.
- Munger, C. G. Coating requirements for offshore structures. *Materials Performance*. 1992; 31(6).

- Murphy, S. S.; Nwankwo, A. S. Cost-effective completion design for offshore oil wells in Nigeria. *Proceedings of the SPE Production Operations Symposium; April 7-9, 1991*. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 617-632.
- Mushrush, George W.; Mose, Douglas G.; Sullivan, Karen T. Soil vapor and groundwater analysis from a recent oil spill. *Bulletin of Environmental Contamination and Toxicology*. January 1994; 52(1): 31-38.
- Myers, J.; Whittick, J.; Edmonds, D.; Richardson, H. A.; (Eds.) Petroleum and Marine Technology Information Guide: A Bibliographic Sourcebook and Directory of Services. 4th ed. [E and F N Spon?]; 1992. 405 p. ISBN: 0419182101.
- Nadeau, R.; Singhvi, R.; Ryabik, J.; Lin, Y.-H.;
 Syslo, J. Bioremediation efficacy in Marrow
 Marsh following the Apex oil spill, Galveston
 Bay, Texas. Proceedings of the Fifteenth Arctic
 and Marine Oilspill Program Technical
 Seminar; June 10-12, 1992; Edmonton,
 Alberta, Canada. Ottawa, Ontario, Canada:
 Environment Canada; 1992: 739-756. ISBN:
 0662590503.
- Nagel, Jr., M. E.; Knecht, H. I.; Jackson, M. L. Design approach, operational performance, and future prospects for self-erecting semisubmersible tender drilling. *Drilling Conference Proceedings; February 18-22, 1992; New Orleans, LA*. Richardson, TX: Society of Petroleum Engineers of AIME; 1992: 125-135.
- Narbonne, J. F.; Garrigues, P.; Ribera, D.; Raoux, C.; Mathieu, A.; Lemaire, P.; Salaun, J. P.; Lafaurie, M. Mixed-function oxygenase enzymes as tools for pollution monitoring: field studies on the French coast of the Mediterranean Sea. *Comparative Biochemistry and Physiology, C.* 1991; 100C(1-2). Special issue: Annual Conference of the European Society for Comparative Physiology and Biochemistry.

- National Environmental Technology Application Corporation (NETAC). Oil spills bioremediation products testing protocol methods manual. Pittsburgh, PA: University of Pittsburgh Applied Research Center; August 1993.
- National Research Council. *In Situ Bioremediation:* When Does it Work? Washington, DC: National Academy Press; 1993.
- National Research Council, Committee on Tank Vessel Design. *Tanker Spills: Prevention by Design*. Washington, DC: National Academy Press; 1991. ISBN: 0309043778.
- Navarro, A. R. Innovative techniques cut costs in wetlands drilling. *Oil and Gas Journal*. 1991; 89(41): 88-90.
- Nguyen, V. T.; Prandle, D. Dispersion of produced water. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Nichols, A. B. Bioremediation: potentials and pitfalls. *Water Environmental Technology*. 1992; 4(2): 52-56.
- Nishino, S. F.; Spain, J. C.; Pettigrew, C. A. Biodegradation of chlorobenzene by indigenous bacteria. *Environmental Toxicology and Chemistry*. June 1994; 13(6): 871-877.
- Noble, R.; Wu, C.; Atkinson, C. Petroleum generation and migration from Talang Akar coals and shales offshore NW Java, Indonesia. *Organic Geochemistry*, 1991; 17.
- Norris, J. J.; Cox, R. F.; Walter, M. H. An expert system for use in the safety assessment of offshore oil and gas process installations offshore safety and reliability. SARSS '91: Safety and Reliability Society Symposium. Manchester (UK): Safety and Reliability Society; 1991.
- Norris, R. D.; et al. Handbook of Bioremediation. Boca Raton, FL: Lewis Publishers; 1994. 272 p. ISBN: 1566700744.
- Ogden, P. H. *Chemicals in the Oil Industry*. 3rd ed. Boca Raton, FL: Lewis Publishers; 1989. ISBN: 0851867367.

- Oldervik, O.; Lerstad, A. Reduction of degassing during offshore loading of crude oil in the Norwegian sector. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991.
- Olsen, R. S.; Riese, W. C.; Bally, A. W. (Ed.). Miocene marine fan, offshore Gulf of Mexico atlas of seismic stratigraphy. *AAPG Studies in Geology*, 1989; 27.
- Parker, J. C.; Zhu, J. L.; Johnson, T. G.; Kremesec, V. J.; Hockman, E. L. Modeling free product migration and recovery at hydrocarbon spill sites. *Ground Water*. January 1994; 32(1): 119-128.
- Parkes, J.; Maxwell, J. Some like it hot (and oily). *Nature*. October 1993 21; 365(6448): 694.
- Parks, W. A.; Mooney, S. P.; Farag, K. F. Case history: installation of two self-contained platform rigs on one platform: the planning, coordination, and execution. SPE/IADC 1989 Drilling Conference; February 28-March 3, 1989. Richardson, TX: Society of Petroleum Engineers of AIME; 1989: 103-110.
- Parsons, M. J.; Stocky, W. D.; Westerlind, J.; Gram, H. R.; Jadamec, M. P.; Johnson, J. R. A remote oil spill detection system for early warning of spills at waterfront or land-based facilities. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 357-363. ISBN: 0662590503.
- Paterson, B.; Comfort, G.; Punt, M. Development of a waterjet barrier for oil spill containment. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 439-455. ISBN: 0662590503.
- Patterson, J. W.; Passino, R.; (Eds.) *Metals Speciation, Separation and Recovery.* Chelsea,
 MI: Lewis Publishers; 1987; 1. 779 p. ISBN:
 0873710347.

- Patterson, J. W.; Passino, R.; (Eds.) *Metals Speciation, Separation and Recovery.* Chelsea,
 MI: Lewis Publishers; 1990; 2, 700 p. ISBN:
 0873712684.
- Payne, J. F.; (Ed.) Oil-based drilling fluids: are they an environmental risk? Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 279-289.
- Payne, J. R.; Hachmeister, L. E.; McNabb, Jr., G. D.; Sharpe, H. E.; Smith, G. S.; Manen, C. A. Brine-induced advection of dissolved aromatic hydrocarbons to Arctic bottom waters. *Environmental Science and Technology*. 1991; 25(5): 940-951.
- Pearl, J. L. System pinpoints leaks on Point Arguello offshore line. *Oil and Gas Journal*. September 9, 1991; 89(36): 47-52. Special issue: API Pipeline Transportation Committee: 1991 Pipeline Conference, April 23-24, 1991; Dallas, Texas; adaptation.
- Pedersen, P. C.; Kudsk, G.; Essendrop, F. New jack up design improves drilling efficiency. *Oil and Gas Journal*. 1992; 90(37): 80.
- Peijnenburg, W. J. G. M.; Thart, M. J.;
 Denhollander, H. A.; Vandemeent, D.;
 Verboom, H. H.; Wolfe, N. L. QSARs for predicting reductive transformation rate constants of halogenated aromatic hydrocarbons in anoxic sediment systems.

 Environmental Toxicology and Chemistry. 1992; 11(3): 301-314.
- Penland, S.; Groat, C. G. Coastal geological phenomena affecting petroleum production. *AAPG Bulletin*. May 1990; 74.
- Penney, P. W. Decommissioning and removal of offshore platforms and pipelines: engineering options. Proceedings of the Eighth International Conference on Offshore Mechanics and Arctic Engineering -1989; March 19-23, 1989; Newcastle upon Tyne, England. New York: American Society of Mechanical Engineers (ASME); 1989; 1: 269-274.

- Peters, R. W.; Bennett, G. F. The simultaneous removal of oil and heavy metals from industrial wastewaters using hydroxide or sulfide precipitation coupled with air flotation.

 Hazardous Waste and Hazardous Materials.
 1989; 6(4): 327.
- Pethick, A. J.; Wood, J. Designing a safer and more efficient drill floor: the human factors contribution. *International Conference on Safety Developments in the Offshore Oil and Gas Industry*. Mechanical Engineering Publications, Ltd.; 1991: 93-97. ISBN: 0852987633.
- Pharr, D. Y.; Mckenzie, J. K.; Hickman, A. B. Fingerprinting petroleum contamination using synchronous scanning fluorescence spectroscopy. *Ground Water*. July 1992; 30(4): 484-489.
- Phelps, T. J.; Siegrist, R. L.; Korte, N. E.; Pickering,
 D. A.; Stronggunderson, J. M.; Palumbo, A.
 V.; Walker, J. F.; Morrissey, C. M.;
 Mackowski, R. Bioremediation of petroleum hydrocarbons in soil column lysimeters from Kwajalein Island. Applied Biochemistry and Biotechnology. March 1994; 45-6: 835-845.
- Picer, M.; Picer, N. Evaluation of modifications of the simple spectrofluorometry method for estimating petroleum hydrocarbon levels in sea water. *Bulletin of Environmental Contamination and Toxicology*. 1993; 50(6): 802-810.
- Picer, N.; Picer, M. Inflow, levels and the fate of some persistent chlorinated hydrocarbons in the Rijeka Bay area of the Adriatic Sea. *Water Research*. July 1992; 26(7): 899-909.
- Pickens, M. K.; Lick, W. J. Transport and fate of drilling muds. Proceedings of the Second International Conference on Estuarine and Coastal Modeling; November 13-15, 1992; Tampa, Florida. New York: American Society of Chemical Engineers; 1992: 202-214.
- Power, P. T.; Geise, J. M. Offshore soil investigation techniques and equipment for the next century. Chryssostomidis, C.; (Ed.) Seventh International Conference on the Behaviour of Offshore Structures (BOSS '94); July 12-15, 1994; Cambridge, Massachusetts. Oxford, UK: Pergamon; 1994. ISBN: 0080419151.

- Premuzic, E. T.; Woodhead, A. Microbial Enhancement of Oil Recovery, Recent Advances: Proceedings of the 1992 International Conference on Microbial Enhanced Oil Recovery. Amsterdam: Elsevier; 1993. 448 p. (Developments in Petroleum Science; v. 39). ISBN: 0444896902.
- Prince, R. C. Petroleum spill bioremediation in marine environments. *Critical Reviews in Microbiology*. 1993; 19: 217-242.
- Pritchard, P. H. Use of inoculation in bioremediation. *Cur[rent] Opin[ions in] Biotechnol[ogy]*. 1992; 3: 232-243.
- Proctor, R.; Flather, R. A.; Elliott, A. J. Modelling tides and surface drift in the Arabian Gulf: application to the Gulf oil spill. *Continental Shelf Research*. April 1994; 14(5): 531-545.
- Provant, S. G. Assessment of the TRANSREC-350 mechanical recovery capacity of the oil spill response equipment in Prince William Sound. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 219-237. ISBN: 0662590503.
- Pulak, R.; Dickerson, B.; Crawford, G. T. Constraints of deep-water exploration and development. *AAPG Bulletin*. May 1990; 74(5).
- Punt, M.; Choryhanna, G.; Martin, A. Solvent extraction and recovery of petroleum-derived hydrocarbons from soil. *Proceedings:*Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia, Canada. Oslo, Norway: Norwegian State Pollution Control Authority; 1991: 469-481.
- Raloff, J. An Alaskan feast for oil-eating microbes. *Science News*. April 1, 1993; 143(16): 253.
- Raloff, J. Laser sizes up dispersed oil. *Science News*. April 1, 1993; 143(16): 253.
- Raloff, J. Lasers map slicks from the air ... /... and estimate their thickness. *Science News*. April 24, 1993; 143(17): 266.
- Raloff, J. Retiring approach tames high seas. *Science News*. April 24, 1993; 143(17): 266.
- Raloff, J. Scouting for oil spills under ice. *Science News*. April 24, 1993; 143(17): 266.

- Rappoid, K. Drilling wastes require extra attention. *Oil and Gas Journal*. 1991; 89(50): 56-59.
- Raymundo, C. C.; Preston, M. R. The distribution of linear alkylbenzenes in coastal and estuarine sediments of the western North Sea. *Marine Pollution Bulletin*. March 1992; 24(3): 138-146.
- Reaux, J.; Mars, R. Controlling gas and condensate surges in pipelines. *Petro-Safe '89: International Exhibition and Conference for Environmental and Safety Concerns of the Energy Industries.* 1989.
- Reed, M.; French, D. A natural resource damage assessment model and geographical information system for the Great Lakes. Eighth Technical Seminar on Chemical Spills; June 10-11, 1991; Vancouver, British Columbia, Canada. Narragansett, RI: Applied Science Association; 1991.
- Reed, M.; Gundlach, E. Hindcast of the Amoco Cadiz event with a coastal zone oil spill model. Oil and Chemical Pollution. 1989; 5(6): 451.
- Reed, M.; Gundlach, E.; Kana, T. A coastal zone oil spill model: development and sensitivity studies. *Oil and Chemical Pollution*. 1989; 5(6): 411.
- Remberger, M.; Hynning, P.; Neilson, A. H. Release of chlorocatechols from a contaminated sediment. *Environmental Science and Technology*. January 1993; 27(1): 158-164.
- Richardson, J. G.; Sangree, J. B.; Snelder, R. M. Coastal barrier reservoirs. *JPT: Journal of Petroleum Technology*. September 1988; 40(9): 1,127-1,128.
- Riser-Roberts, E. *Bioremediation of Petroleum Contaminated Sites*. Boca Raton, FL: C. K. Smoley; 1993.
- Rittmann, B. E. Innovations in biological processes for pollution control. *Environmental Microbiology*, 1992; 265-286.
- Robison, B. H. Midwater research methods with MBARI's ROV. *Marine Technological Society Journal*. 1993; 26(4): 32-39.
- Rocha, L. A.; Bourgoyne, A. T. Identifying crater potential improves shallow gas kick control. *Oil and Gas Journal*. December 27, 1993; 91(52): 93-97.

- Roche, J. R. Equipment for diverting shallow gas. Petro-Safe '89: International Exhibition and Conference for Environment and Safety Concerns of the Energy Industries. 1989.
- Rogne, T.; MacDonald, I.; Smith, A.; Kennicutt II, M. C.; Giammona, C. Multispectral remote sensing and truth data from the *Tenyo Maru* oil spill. *Photogrammetric Engineering and Remote Sensing*. 1993; 59(3): 391-397.
- Rollheim, M.; Shamsili, R. G.; Ostvold, T.; Siamos, A. Scale formation in reservoir and production equipment during oil recovery .4. Experimental study of BaSO₄ and SrSO₄ scaling in steel tubings. *Acta Chemica Scandinavica*. April 1993; 47(4): 358-367.
- Romanow-Garcia, S. How much safety is enough? Hydrocarbon Processing. February 1993; 72(2): 19.
- Rowe, D. M. Redundant oil platforms as sources of electric power. First International Energy Foundation, Mediterranean Offshore Conference Proceedings; February 17-20, 1991; Tripoli, Libya. 1991; 2: 13-28.
- Saenz, G.; Pingitore, N. E. Characterization of hydrocarbon contaminated areas by multivariate statistical analysis: case studies. *Environmental Monitoring and Assessment*. May 1991; 17(2-3): 281-302.
- Salim, P. H.; Trebble, M. A. Modelling of solid phases in thermodynamic calculations via translation of a cubic equation of state at the triple point. *Fluid Phase Equilibria*. February 1, 1994; 93: 75-99.
- Salisbury, J. W.; D'Aria, D. M.; Sabins, Jr., F. F. Thermal infrared remote sensing of crude oil slicks. *Remote Sensing of the Environment*. 1993; 45(2): 225-231.
- Samhouri, F. A.; Sadik, A. Testing deep exploration wells, design and application of subsurface equipment and heavy oil and oil sands: a workbook for engineers. *Petroleum Mechanical Engineering Workshop and Conference*. December 1989; 37(4).

- Sananikone, P.; Kamoshima, O.; White, D. B. Field method for controlling drillstring torsional vibrations. *Drilling Conference Proceedings; February 18-22, 1992; New Orleans, Louisiana*. Richardson, TX: Society of Petroleum Engineers of AIME; 1992: 443-452.
- Sauer, T. C.; Brown, J. S.; Boehm, P. D.; Aurand, D. V.; Michel, J.; Hayes, M. O. Hydrocarbon source identification and weathering characterization of intertidal and subtidal sediments along the Saudi Arabian coast after the Gulf War oil spill. *Marine Pollution Bulletin*. 1993; 27: 117-134.
- Saxena, R. S. Model for unstable shelf data sequence, example from a giant south Louisiana discovery: south Lake Arthur Field. *AAPG Bulletin*. May 1990; 74(5).
- Sayed, M.; Loeset, S. Laboratory experiments of oil spreading in brash ice. Chung, J. S.; Natvig, B. J.; Das, B. M.; Li, Y.-C.; (Eds.) The Proceedings of the Third (1993) International Offshore and Polar Engineering Conference (ISOPE '93); June 6-11, 1993; Singapore. Golden, CO: International Society of Offshore and Polar Engineers; 1993; 1: 224-231. 690 p. ISBN: 1880653060.
- Schlattman, D. T. Pressure analysis improves lines' leak-detection capabilities. *Oil and Gas Journal*. 1991; 89(52): 99-101.
- Schrader, E. L. Remediation of floating, open water oil spills: comparative efficacy of commercially available polypropylene sorbent booms. *Environmental Geology and Water Sciences*. 1991; 17(2): 157-166.
- Sen, D. C. Process design for offshore oil and gas production in cold ocean environment. Canadian Journal of Chemical Engineering. October 1988; 66(5): 864-867.
- Setti, L.; Lanzarini, G.; Pifferi, P. G.; Spagna, G. Further research into the aerobic degradation of n-alkanes in a heavy oil by a pure culture of *Pseudomonas* sp. *Chemosphere*. 1993; 26(6): 1,151-1,157.
- Shaban, H. I. The treatment of weathered crude oil in Kuwait. *Journal of the Institution of Water and Environmental Management*. June 1994; 8(3): 269-276.

- Shang, L. Application of fuzzy cluster analysis in identification of spillage oil at sea with derivative fluorimetry. *Marine Science Bulletin Haiyang Tongbao*. 1993; 12(4): 83-87.
- Shen, J.; Bartha, R. On-site bioremediation of soil contaminated by No. 2 fuel oil. *International Biodeterioration and Biodegradation*. 1994; 33(1): 61-72.
- Sherman III, J. W. Oil spill remote sensing: a perspective. *Sea Technology*. 1992; 33(8): 10-16.
- Shevchenko, G. V.; Putov, V. F. On estimation of extreme sea level on the eastern shelf of Sakhalin as superposition of various components. *The Seventh International Symposium on Okhotsk Sea and Sea Ice Abstracts; February 2-5, 1992; Hokkaido, Japan.* Hokkaido, Japan: Okhtosk Sea and Cold Ocean Research Association; 1992: 329-333.
- Sicre, M. A.; Broyelle, I.; Lorre, A.; Saliot, A. Sources and transport of particulate hydrocarbons in the meso-tidal Changjiang Estuary. Estuarine, Coastal and Shelf Science. 1993; 37(6): 557-573.
- Siegrist, R. L.; Phelps, T. J.; Korte, N. E.; Pickering, D. A. Characterization and biotreatability of petroleum contaminated soils in a coral atoll in the Pacific Ocean. *Applied Biochemistry and Biotechnology*. March 1994; 45-6: 757-773.
- Simoneit, R. T. Petroleum generation and migration in submarine hydrothermal systems; an overview. *Mining Engineering*. March 1990; 42(3): 277-281.
- Singsaas, I.; Daling, P. S.; Jensen, H. Meso-scale flume test for laboratory weathering of oil. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 55-65. ISBN: 0662590503.
- Sinkkonen, S. The fate of some crude oil residues in sediments. *Chemosphere*. 1989; 18(11-12): 2,093-2,101.
- Smith, D. N. Fire safety engineering. 1989.

- Smith, G. D.; Gloeckler, D. Noise reduction and improved hearing protection on MODUS.

 Proceedings of the 1991 SPE/IADC (Society of Petroleum Engineers/International Association of Drilling Contractors) Drilling Conference.

 Society of Petroleum Engineers; 1991: 473-480.
- Smith, L. A.; Hinchee, R. E. *In Situ Thermal Technology for Site Remediation*. Boca Raton,
 FL: Lewis Publishers; 1993. 224 p.
- Smith, S. D.; Muench, R. D.; Pease, C. H. Polynyas and leads: an overview of physical processes and environment. *Journal of Geophysical Research Part C: Oceans.* 1990; 95(6).
- Smith, S. E.; Hult, M. F. Hydrogeologic data collected from a crude oil spill site near Bemidji, Minnesota, 1983-91. Denver, CO: US Department of the Interior, US Geological Survey; 1993; Open File Report OF 93-0496.
 158 p.
- Smyth, T. D.; Purdon, A. C. Probabilistic forecasting of liquid cargo spills in ports. Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia, Canada. Oslo, Norway: Norwegian State Pollution Control Authority; 1991.
- Sodhi, D. S. Drilling structures in Arctic environment. AAPG Bulletin. May 1990; 74(5). Special issue: Annual Convention and Exposition of the American Association of Petroleum Geologists.
- Solsberg, L. B.; McGrath, M. Mechanical recovery of oil in ice. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 427-437. ISBN: 0662590503.
- Somanathan, G. S.; Rao, K. D. Analysis of submarine buried pipelines. *Third National Conference on Dock and Harbour Engineering: Proceedings; December 6-9*, 1989. 1989: 267-273.

- Spaulding, M. L.; Howlett, E.; Anderson, E.; Jayko, K. OILMAP: a global approach to spill modelling. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 15-21. ISBN: 0662590503.
- Spaulding, M. L.; Odulo, A.; Kolluru, V. S. A hybrid model to predict the entrainment and subsurface transport of oil. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 67-92. ISBN: 0662590503.
- Sperl, J. L. System pinpoints leaks on Point Arguello offshore line. *Oil and Gas Journal*. September 9, 1991; 89(36): 47-52.
- Springett, C. N. Jackups for the nineties: what should the industry expect? *Proceedings of the Society of Petroleum Engineers (SPE) Drilling Conference*. 1990.
- Steinhauer, M.; Crecelius, E.; Steinhauer, W. Temporal and spatial changes in the concentrations of hydrocarbons and trace metals in the vicinity of an offshore oil-production platform. *Marine Environmental Research*. 1994; 37(2): 129-163.
- Stoakes, F. A.; Campbell, C. V.; Cass, R.; Ucha, N. Seismic stratigraphic analysis of the Punta del Este Basin, offshore Uruguay, South America. *AAPG Bulletin.* 1991; 75(2).
- Stockmal, G. S. Overpressures and hydrocarbon migration in the Hibernia-Nautilus area of the Jeanne D'Arc basin, offshore Newfoundland. *Bulletin of Canadian Petroleum Geology*. June 1994; 42(2): 268-271.
- Stone and Webster Engineering Corporation. Risk
 Assessment and Risk Management for the
 Chemical Process Industry. Florence, KY: Van
 Nostrand Reinhold.
- Stone, M.; English, M. C.; Mulamoottil, G. Sediment and nutrient transport dynamics in two tributaries of Lake Erie: a numerical model. *Hydrological Processes*. 1991; 5(4): 371-382.

- Stringer, W. J. Detection of petroleum spilled from the T/V Exxon Valdez. International Journal of Remote Sensing. 1992; 13(5): 799-824.
- Strommen, R. D.; Horn, H.; Wold, K. R. New technique monitors pipeline corrosion, cracking. *Oil and Gas Journal*. December 27, 1993; 91(52): 88-92.
- Stronach, J. A.; Murthy, C. R.; Murty, T. S.
 Pollutant transport modelling in large river
 plumes. Proceedings of the Second
 International Conference on Estuarine and
 Coastal Modeling; November 13-15, 1992;
 Tampa, Florida. New York: ASCE; 1992: 759-770.
- Struyf, H.; Vangrieken, R. An overview of wet deposition of micropollutants to the North Sea. *Atmospheric Environment, Part A: General Topics.* November 1993; 27(16): 2669-2687.
- Su, J. On oil chemical dispersants and application at sea. *Marine Science Bulletin Haiyang Tongbao*. 1992; 11(2): 73-79.
- Sunderman, J. Circulation and Contaminant Fluxes in the North Sea. Springer-Verlag; 1994. 654 p. ISBN: 0387568255.
- Surbey, D. W.; Kelkar, B. G.; Brill, J. P. Study of subcritical flow through multiple orifice valves. SPE Production Engineering. February 1988; 3(1): 103-108.
- Swannell, R. P. J.; Head, I. M. Oil spills: bioremediation comes of age. *Nature*. March 31, 1994; 368(6470): 396-397.
- Takada, H.; Farrington, J. W.; Bothner, M. H.; Johnson, C. G.; Tripp, B. W. Transport of sludge-derived organic pollutants to deep-sea sediments at deep water Dump Site-106. *Environmental Science and Technology*. June 1994; 28(6): 1,062-1,072.
- Tang, S. Y.; Lu, X. W. The use of *Eichhornia* crassipes to cleanse oil-refinery wastewater in China. *Ecological Engineering*. September 1993; 2(3): 243-251.
- Tao, F. T.; Curtice, S.; Hobbs, R. D.; Sides, J. L.; Wieser, J. D.; Dyke, C. A.; Tuohey, D.; Pilger, P. F. Reverse osmosis process successfully converts oil field brine into freshwater. *Oil and Gas Journal*. September 20, 1993; 91(38): 88-91.

- Tatom, F. B.; Mullen, M. W.; Morel, F. M. M. Geopressured brine disposal. 1983.
- Tawfik, A. S.; Attia, F. G. Proceedings of Offshore and Arctic Operations, 1992: Energy Sources Technology Conference and Exhibition. American Society of Mechanical Engineers (ASME); 1992.
- Taylor, M. R. Blowout prevention: integrated wellsite data monitoring plays a key role. Second CADE (Canadian Association of Drilling Engineers)/CAODC (Canadian Association of Oilwell Drilling Contractors) Spring Drilling Conference. Canadian Association of Drilling Engineers (Canada); Canadian Association of Oilwell Drilling Contractors (Canada); 1987.
- Taylor, S. 0.45-to 1.1-µm spectra of Prudhoe crude oil and of beach materials in Prince William Sound, Alaska. [Hanover, NJ]: US Army Corps of Engineers, Cold Regions Research and Engineering Laboratory; 1992. 14 p. (Special Report, US Army Corps of Engineers Cold Regions Research and Engineering Laboratory; 92-5).
- Tebaay, R. H.; Welp, G.; Brummer, G. W. Contents of polycyclic aromatic hydrocarbons (PAH) and their distribution pattern in soils with different contamination levels. *Zeitschrift für Pflanzenernahrung und Bodenkunde*. February 1993; 156(1): 1-10.
- Tebbett, I. E. Repairing offshore steel structures. Petroleum Engineering International. 1988; 4(60).
- Teksoz, G.; Yetis, U.; Tuncel, G.; Balkas, T. I. Pollution chronology of the Golden Horn sediments. *Marine Pollution Bulletin*. September 1991; 22(9): 447-451.
- Testa, S. M.; Winegardner, D. L. Restoration of Petroleum Contaminated Aquifers. Boca Raton, FL: Lewis Publishers; 1990. 240 p. ISBN: 0873713353.
- Texas Water Commission. An investigation into the presence and distribution of polycyclic aromatic hydrocarbon compounds in Lavaca Bay, Texas. Austin, TX: Texas Water Commission; January 1992; SR 92-01.

- Thibodeaux, J. PLC-based offshore platform shutdown system. *InTech*. December 1988; 35(12): 18-21.
- Thomas, A. O.; Lester, J. N. The microbial remediation of former gasworks sites: a review. *Environmental Technology*. January 1993; 14(1): 1-24.
- Thomas, J. A.; Ganapathi, G.; Stover, E. L. Petroleum processing and synthetic fuels. Research Journal of the Water Pollution Control Federation. June 1991; 63(4): 475-480.
- Thomson, D. G.; Trudell, M. R.; Stein, R.; Andriashek, L. D. Assessment of potential groundwater contamination by migration of EOR production fluids. *Bulletin of Canadian Petroleum Geology*. June 1991; 39(2).
- Tkalin, A. V. Bottom sediment pollution in some coastal areas of the Japan Sea. *Ocean Research*. 1992; 14(2): 71-75.
- Torhung, M. The offshore reliability data (OREDA) project. Petro-Safe '89: International Exhibition and Conference for Environmental and Safety Concerns of the Energy Industries. 1989.
- Trabant, P. K. Seismic stratigraphy a solution to deepwater drilling problems. *Oil and Gas Journal*. September 27, 1993; 91(39): 50-56.
- Trombly, J. Electrochemical remediation takes to the field. *Environmental Science and Technology*. June 1994; 28(6): 289A-291A.
- Truskov, P. A.; Astafiev, V. N.; Surkov, G. A.
 Problems of choice of sea ice cover parameters
 design criteria. The Seventh International
 Symposium on Okhotsk Sea and Sea Ice
 Abstracts; February 2-5, 1992; Hokkaido,
 Japan. Hokkaido, Japan: Okhotsk Sea and Cold
 Ocean Research Association; 1992: 21-26.
- Tyagi, R. D.; Tran, F. T.; Chowdhury, A. K. M. M. Biodegradation of petroleum refinery wastewater in a modified rotating biological contactor with polyurethane foam attached to the disks. *Water Research*. January 1993; 27(1): 91-99.

- Tyagi, R. D.; Tran, F. T.; Chowdhury, A. K. M. M. A pilot study of biodegradation of petroleum refinery wastewater in a polyurethane-attached RBC. *Process Biochemistry*. 1993; 28(2): 75-82.
- Unocal Corporation. A much cheaper and less hazardous H₂S treatment (removing residual H₂S from crude oil). *Chemical Engineering*. 1991; 98(8): 19, 21.
- US Congress, Office of Technology Assessment.

 Bioremediation of marine oil spills.

 Washington, DC: US Government Printing
 Office; 1991; OTA-BP-0-70.
- US Department of the Interior. Cozoil. NTIS; [1997]; PB89-159453HCR. 1 diskette. Note: Coastal zone oil spill model.
- US Department of the Interior, Minerals
 Management Service. Fate and transport of
 particle-reactive normal, alkylated and
 heterocyclic aeromated hydrocarbons in a
 sediment-water-colloidal system. US
 Department of the Interior, Minerals
 Management Service; 1993; OCS Study MMS
 93-0018.
- US Department of the Interior, Minerals
 Management Service. OCS reserves handbook.
 US Department of the Interior, Minerals
 Management Service; 1994; OCS Report MMS
 93-0064.
- US Department of the Interior, Minerals Mangement Service, Alaska OCS Region. Circulation and cross-shelf transport and exchange along the Bering Sea continental shelf edge. US Department of the Interior, Minerals Management Service, Alaska OCS Region; 1993; OCS Study MMS 93-0027.
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Region.
 Geological and operational summary, OCS Y0943-1 Aurora Well, Beaufort Sea, Alaska. US
 Department of the Interior, Minerals
 Management Service, Alaska OCS Region;
 1994; OCS Report MMS 94-0001.

- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Estimated proved oil and gas reserves,
 Gulf of Mexico OCS, as of December 31, 1993.
 US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; 1993; OCS Report MMS 93-0050.
- US Department of the Interior, Minerals
 Management Service, Pacific OCS Region.
 Estimated oil and gas reserves, Pacific OCS as
 of December 31, 1992. US Department of the
 Interior, Minerals Management Service, Pacific
 OCS Region; 1994; OCS Report MMS 940008.
- US Department of Transportation. Transportation of hydrogen sulfide by pipeline. *Federal Register*. March 1, 19918; 56(52): 11,490-11, 497.
- US Environmental Protection Agency.

 Bioremediation: innovative pollution treatment technology. Washington, DC: US
 Environmental Protection Agency, Office of Research and Development; 1993; EPA/640/K-93/002, 20 p.
- US Environmental Protection Agency. Selected alternative and innovative treatment technologies for corrective action and site remediation. Cincinnati, OH: US Environmental Protection Agency, National Center for Environmental Publication and Information; 1993; EPA/542/B-93/010. 6 p.
- US Environmental Protection Agency, Office of Research and Development, Biosystems Technology Development Program. Bioremediation of hazardous wastes. US Environmental Protection Agency, Center for Environmental Research Information; December 1990; EPA/600/9-90/041.
- Valettesilver, N. J. The use of sediment cores to reconstruct historical trends in contamination of estuarine and coastal sediments. *Estuaries*. September 1993; 16(3B): 577-588.
- Valusek, J. E. Reports from the front lines: global revolution in geophysical interpretation. *Oil and Gas Journal*. October 30, 1989; 87(44): 78-83.

- van Dongen, F. A. System for modelling and monitoring of offshore discharge water.

 Proceedings of the First International

 Conference on Health, Safety and Environment in Oil and Gas Exploration and Production.

 Richardson, TX: Society of Petroleum

 Engineers of AIME; 1991; 2.
- Van Dyke, M. I.; Hung, Lee; Trevors, J. T. Applications of microbial surfactants. *Biotechnology Advances*. 1991; 9.
- van Hoorn, F.; Devoy, B. V.; Devoy, S. D. The dry transport of the Green Canyon tension leg wellhead platform by a semisubmersible heavy-lift ship. *Proceedings of the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90)*. 1990; 4.
- Van Zoest, R.; Van Eck, G. T. M. Historical output and behaviour of hexachlorobenzene, polychlorinated biphenyls and polycyclic aromatic hydrocarbons in two dated sediment cores from the Scheldt Estuary, SW Netherlands. *Marine Chemistry*. 1993; 44(1): 95-103.
- Vandermeulen, J. H.; Thorpe, J. W.; Hellenbrand, K. E. Short-term weathering rates of buried oils in experimental sand columns over north-temperate temperature range. *Bulletin of Environmental Contamination and Toxicology*. 1994; 53: 46-53.
- Vargas, K. Air-lift pump cleans around subsea wellhead. *Oil and Gas Journal*. 1992; 90(31).
- Veeken, P. C. H.; Schwander, M. M.; Bally, A. W.; (Ed.) A regional line across the Gulf of Cadiz, offshore southwest Spain, atlas of seismic stratigraphy. AAPG Studies in Geology. 1989; 27.
- Veligogna, D.; Koundakjiian, A.; Beausejour, I.; Volchek, K. The separation of stable water-inoil emulsions. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 467-477. ISBN: 0662590503.
- Venkatesh, H. Modelling the behavior of oil spills in ice-infested waters. *Atmosphere-Ocean*. 1990; 28(3): 303-329.

- Venkatesh, S. Model simulations of the drift and spread of the Exxon *Valdez* oil spill. *Atmosphere-Ocean*. 1991; 28(1): 90-105.
- Venkatesh, S.; Murty, T. S. Numerical simulation of the movement of the 1991 oil spills in the Arabian Gulf. *Water, Air and Soil Pollution*. April 1994; 74(3-4): 211-234.
- Venkateswaran, K.; Iwabuchi, T.; Matsui, Y.; Toki, H.; Hamada, E.; Tanaka, H. Distribution and biodegradation potential of oil-degrading bacteria in north eastern Japanese coastal waters. FEMS Microbiology and Ecology. December 1991; 86(2): 113-121.
- Venosa, A. D.; Haines, J. R.; Allen, D. M. Enhancement of oil biodegradation on a Prince William Sound beach with commercial inocula. Program and Abstracts: Second International Marine Biotechnology Conference (IMBC '91). 1991: 71.
- Vik, E. A.; Berg, J. D.; Bakke, S.; Lundh, T. Review of offshore chemical selection, use and operating procedure to minimize environmental impact. *Water Science and Technology*. 1991; 24(10): 135-142.
- Vikoma, International. Oil spill containment.

 Marine Engineers Review. January 1991; 35.
- Viraraghavan, T.; Mathavan, G. N. Use of peat in the removal of oil from produced waters. *Environmental Technology Letters*. April 1989; 10(4): 385.
- Visser, R. C. Retrospective of platform development in Cook Inlet, Alaska. *JPT: Journal of Petroleum Technology*. 1992; 44(2): 7.
- Voloshina, I. P.; Sochnev, O. Y. Observation of surface contamination of the region of the Kol'skii Gulf from IR measurements. *Soviet Journal of Remote Sensing*. 1992; 9(6): 996-1,000.
- Von der Dick, H.; Meloche, J. D.; Dwyer, J.; Gunther, P. Source-rock geochemistry and hydrocarbon generation in the Jeanne D'Arc Basin, Grand Banks, offshore eastern Canada. *JPT: Journal of Petroleum Geology*. 1989; 12(1).

- Vroblesky, D. A.; Chapelle, F. H. Temporal and spatial changes of terminal electron-accepting processes in a petroleum hydrocarbon-contaminated aquifer and the significance for contaminant biodegradation. *Water Resources Research*. May 1994; 30(5): 1,561-1,570.
- Vyas, B. R. M.; Bakowski, S.; Sasek, V.; Matucha, M. Degradation of anthracene by selected white rot fungi. *FEMS Microbiology Ecology*. April 1994; 14(1): 65-70.
- Wang, H.; Ye, C.; Li, J. A preliminary study of characteristics of oil adsorbed on sediment in the Minjiang Estuary, China. *Chinese Journal of Environmental Science*. 1989; 10(3): 23-26, 96.
- Wannesson, J. Geology and Petroleum Potential of the Adelie Coast Margin, East Antarctica as an Exploration Frontier: Hydrocarbon Potential, Geology, and Hazards. 1990. (St. John, Bill; (Ed.) AAPG Studies in Geology; v. 31).
- Wardrop, J. A. Chemical dispersant use in oil spill management: kill or cure? The controversy persists. *Proceedings of the SPE Asia Pacific Conference*. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 501-512.
- Watt, B. J. Hydrocarbon extraction in Arctic frontiers. *Third International Conference on the Behavior of Off-Shore Structures (BOSS* '82). 1983; 1.
- Watts, R. J.; Nubbe, M. E.; Kong, S. H. Hazardous wastes: assessment, management, and minimization. *Water Environment Research*. June 1993; 65(4): 425-430.
- Webb, J. E. Hydrodynamics, organisms and pollution of coastal sands. *Ocean and Shoreline Management*. 1991; 16(1).
- Weber, W. J.; Corseuil, H. X. Inoculation of contaminated subsurface soils with enriched indigenous microbes to enhance bioremediation rates. *Water Research*. June 1994; 28(6): 1,407-1,414.
- Weerasuriya, S. A.; Yapa, P. D. Undirectional spreading of oil under solid ice. *Canadian Journal of Civil Engineering*. 1993; 20(1): 50-56.

- Welper, O.; Allen, J. L.; Fiongos, G. Seismic hydrocarbon indicators lower risks. *Oil and Gas Journal*. November 4, 1991; 89(44): 66-70.
- Wessels, E. New test basin for experimental studies on oil spill in ice. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 271-279. ISBN: 0662590503.
- Wetmore, S. B.; Halbleib, B. L. Consideration for design of drilling conductors for the new generation of deepwater, harsh weather jackups. *Drilling Conference Proceedings; February 18-22, 1992*. Richardson, TX: Society of Petroleum Engineers of AIME; 1992: 137-150.
- Widdows, J.; Burns, K. A. Measurement of physiological energetics (scope for growth) and chemical contamination. *Journal of Experimental Marine Biology and Ecology*. 1990; 138(1-2): 99-117.
- Wilkinson, T. G. Control of bacterial growth: the use of biocides and alternative control systems in the offshore oil industry. *Biocides in Oil Industry Conference*. Shell UK Explor[ation and] Prod[ucts], UK; 1982.
- Williamson, M. A.; DesRoches, K.; King, S.
 Overpressures and hydrocarbon migration in
 the Hibernia-Nautilus area of the Jeanne D'Arc
 Basin, offshore Newfoundland. *Bulletin of*Canadian Petroleum Geology. December 1993;
 41(4): 389-406.
- Williamson, M. A.; DesRoches, K.; King, S.
 Overpressures and hydrocarbon migration in
 the Hibernia-Nautilus area of the Jeanne D'Arc
 Basin, offshore Newfoundland: reply. *Bulletin*of Canadian Petroleum Geology. June 1994;
 42(2): 272-277.
- Witte, F. The Archimedes IIa experiment: remote sensing of oil spills in the North Sea.

 International Journal of Remote Sensing. 1991; 12(4): 809-821.

- Wood, A. L. Data acquisition in high hazard environments (impact-resistant spar data buoy). Proceedings, MDS '86: Marine Data Systems International Symposium. Sidney, British Columbia, Canada: Seastar Instruments Ltd.; 1986.
- Woo-Sun, P.; Chung-Bang, Y.; Chong-Kun, P. Infinite elements for evaluation of hydrodynamic forces on offshore structures. *Computers and Structures*. 1991; 40.
- Yamamoto, T. Tanker design for prevention and mitigation of oil spills. Seventeenth meeting of the Marine Facilities Panel of the United States-Japan Cooperative Program in Natural Resources (UJNR); May 1991. Washington, DC: United States-Japan Cooperative Program in Natural Resources; US Department of Commerce, National Oceanic and Atmospheric Administration; 1991.
- Yapa, P. D.; Shen, H. T.; Wang, D. S.; Angammana, K. An integrated computer model for simulating oil spills in the upper St. Lawrence River. *Journal of Great Lakes Research*. 1992; 18(2): 340-351.
- Yassir, N. A.; Rogers, A. L. Hydrodynamics and overpressuring in the Jeanne D'Arc Basin, offshore Newfoundland, Canada: possible implications for hydrocarbon exploration: reply. *Bulletin of Canadian Petroleum Geology*, June 1994; 42(2): 266-267.
- Yilmaz, A.; Saydam, A. C.; Basturk, O.; Salihoglu, I. Transport of dissolved dispersed petroleum hydrocarbons in the northeastern Mediterranean. *Toxicological and Environmental Chemistry*. 1991; 31(2): 187-197.
- Younes, A. M. Enhanced oil recovery evaluation of the Flounder T-1.1 reservoir. *Proceedings:* 1988 SPE Annual Technical Conference and Exhibition; October 2-5, 1988; Esso Australia Ltd. Richardson, TX: Society of Petroleum Engineers of AIME; 1988; 105-117.
- Yu, A.; Lerche, I.; Williams, D. F. Subsurface hydrocarbon migration: steady-state model, sensitivity analysis and field example, Green Canyon block, north central Gulf of Mexico. *Energy Exploration and Exploitation*. 1990; 8(3).

- Yunker, M. B.; Drinnan, R. W.; Smyth, T. A. Dispersion and fate of oiled drill cuttings discharged from two exploration wells near Sable Island, Canada. *Oil and Chemical Pollution*. 1990; 7(4).
- Zaleski, Jr., T. E.; Spatz, Edward. Horizontal completions challenge for industry. *Oil and Gas Journal*. 1988 May 2; 86(18): 58+.
- Zare, K.; Datta, T. K. Dynamic response of lazy-S risers in random sea. *Proceedings of the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90)*. 1990; 4: 422.
- Zhang, B.; Zhang, P.; Ran, L.; Yang, W.
 Distribution of hydrogen and oxygen isotopes in salt lakes of the Qinghai-Xizang Plateau,
 China. Chinese Journal of Geochemistry. 1990;
 9.
- Zhang, H.; Li, F. Examination on direction and velocity of oil drifting at sea. *Marine Science Bulletin Haiyang Tongbao*. 1992; 11(2): 39-44.
- Zhang, X.; Li, Y. The effects of bioremediation on biodegradation of oil. *Journal of the Ocean University of Qingdao* [Qingdao Haitang Daxue Xuebao]. 1993; 23(3): 55-59. Note: In Chinese.
- Zhang, Y. M.; Miller, R. M. Effect of a Pseudomonas rhamnolipid biosurfactant on cell hydrophobicity and biodegradation of octadecane. Applied and Environmental Microbiology. June 1994; 60(6): 2,101-2,106.
- Zhu, H.; Yao, B. Study on the delta depression in fault lakes, Yunnan Province, and its significance for petroleum exploration. *Oil Gas Geol. Shiyou Tianranyi Dizhi [Jiang]*. 1989; 10(2): 95-106. Note: With English abstract.
- Zitrides, T. G. Bioremediation comes of age. *Pollution Engineering*. 1990; 22(5): 59-60.

- 1991 Oil Spill Conference Proceedings, March 1991. American Petroleum Institute; 1991. (American Petroleum Institute Publications; v. 4529).
- 700,000 gallons of oil spilled in Texas.

 Environmental Protection News. September 8, 1990; 5(17): 4.
- Aegean Sea spill. *Marine Pollution Bulletin*. February 1993; 26(2): 60.
- After the Exxon *Valdez* oil spill: summary of injury; summary of the settlement; habitat acquisition, key to successful settlement. *Alaska's Marine Resources*. October 1992; VII(3): 1-15.
- Alaskans cool over oil spill research. *New Scientist*. September 26, 1992; 135(1840): 7.
- Arabian Sea and Gulf oil spill. *Marine Pollution Bulletin*. February 1992; 24(2): 67.
- Aromatic hydrocarbon degradation specificity of an enriched denitrifying mixed culture. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994. 496 p.
- BP sell off oil spill response facility. *Marine Pollution Bulletin*. April 1993; 26(4): 173.
- Bacteria tested on Mega Borg oil slick in the Gulf. Environmental Protection News. July 8, 1990; 5(13): 4.
- Barge spill fouls Houston ship channel. *Christian Science Monitor*. 1990; 82(181): 8.
- Battelle is building a half-million dollar lab to study weathering oil effects. Coastal Zone
 Management: First Newsletter of Coastal
 Resources and Exclusive Economic Zone
 Management. July 1, 1994; 25(9): 6.
- Beached *Valdez* oil fled in a flock. *Science News*. May 8, 1993; 143(19): 302.
- Beaufort Environmental Monitoring Project, 1985-86: final report. Sidney, [British Columbia, Canada]: LGL Ltd.; 1987; SSC-R71-19/40-1987E. 223 p. (Environmental Studies; 40). ISBN: 0662151887.

- Bioremediation and physical removal of an oil on shore. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994. 496 p.
- Bioremediation is used off Galveston: background from Alaska and from German research.

 Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. June 20, 1990; 21(17): 6-7.
- Bioremediation of the Exxon *Valdez* oil spill: monitoring safety and efficacy. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994, 496 p.
- Braer crude oil tanker splits as weather hinders containment. Oil and Gas Journal. January 1, 1993; 91(3): 26-27.
- Braer spill: first results of government survey.

 Marine Pollution Bulletin. April 1993; 26(4):
 171
- Buoy-type collector for oil spills. *Ocean Industry*. 1990; 25(1): 57-58.
- CPPI Commissions study on marine oil spills. Eastern Offshore News. April 1990; 12(1).
- CSA domestic products: environmental and economic assessment of discharges from oil and gas operations; environmental assessments for platforms; monitoring program in Mobile Bay. *Resources* (Continental Shelf Associates, Inc.). [1994]; 4: 3.
- CSA projects ... in summary: NOAA studies of the Exxon *Valdez* oil spill, Alaska. *Resources* (Continental Shelf Associates, Inc.). [1994]; 3: 4
- California oil spill bill sparks industry tussle. Oil and Gas Journal. July 2, 1990; 88(27): 46.
- California oil spill stymies offshore productions.

 National Petroleum News. May 1991; 83(5): 17.
- Call for GOM nominations. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. June 10, 1990; 21(16): 7.

- Capital report: part of Exxon penalties to buy Prince William Sound land. *Sea Technology*. May 1993; 34(5): 56.
- The case of the Exxon Valdez. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. February 28, 1990; 21(6): 1+.
- Catch the wave, the search is on for Alaska wave data. *Institute of Marine Science Notes*(Publication of the Institute of Marine Science, University of Alaska Fairbanks). April 1990; 10(1): insert in April 1990 issue.
- Cause of *Braer* smashup pinpointed. *Oil and Gas Journal*. February 8, 1993; 91(6): 37-38.
- Chevron commences operations on Destin Dome Block 97. Gulf Focus: News from the Gulf of Mexico OCS Region. May 1994; [4].
- Cleaning up after OPA '90. *Marine Log.* May 1994; 99(5): 32-39.
- Coast Guard California spill report stirs fuss. *Oil and Gas Journal*. July 2, 1990; 88(27): 41-46.
- Coastal, inland and offshore: spill response barges. *Marine Log.* June 1994; 99(6): 14.
- A competitive grant program to finance studies on the effects of oil pollution is off and running at the US Coast Guard. *Coastal Zone Management*. January 1, 1994; 25(1): 3.
- Crews scramble to prevent oil spill from damaged tanker. *The Times-Picayune*. New Orleans, LA; October 1, 1993; A: 3 (1-3).
- Crippled tanker spills oil in North Atlantic. *New York Times*. New York, NY; November 17, 1990: 7.
- Dates for completion of the restoration plan of Prince William Sound are being revised. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. January 31, 1994; 25(2): 3.
- Diesel fuel from oil spills can become more toxic as it weathers ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. May 1, 1993; 24(9): 6.
- Diver survey shows no oil left aboard *Braer. Oil and Gas Journal*. February 1, 1993; 91(5): 17.

- East Timbalier: restoration offered by oil spill company. *The Courier*. Houma, LA; November 21, 1993; A: 1+.
- Editorial: contest brewing over Exxon fines. *Oil and Gas Journal*. August 30, 1993; 91(35): 19.
- Editorial: ozone depletion quickens. *Lancet*. May 1, 1991; 337(8750): 1,132-1,133.
- Empty Danish oil tanker runs aground off UK. Oil and Gas Journal. March 8, 1993; 91(10): 30.
- Enimont's river row. *Chemical Week.* 1990; 146(10): 63.
- The environment in Israel. National report to the UN Conference on Environment and Development. 1992.
- Environmental concerns hinder unconventional drilling techniques. *Noroil*. March 1989; 17(3): 35-36.
- Environmental monitoring: oil spill vessel submerges for better rough weather recovery. *Sea Technology*. May 1993; 34(5): 63.
- Environmental monitoring: oil weathering lab will aid oil spill cleanup technology. *Sea Technology*. August 1994; 35(8): 103.
- Environmental, related issues take over as top concerns. *Oil and Gas Journal*. January 22, 1990; 88(4): 14.
- Environmental schizophrenia at Shell. *Marine Pollution Bulletin*. April 1992; 24(4): 177.
- Equipment/software/literature: tanker safety and pollution prevention. *Oil and Gas Journal*. December 20, 1993; 91(51): 104.
- Escorts for single-hulled tankers in US. *Marine Pollution Bulletin*. September 1992; 24(9): 429.
- Europipe objections. *Marine Pollution Bulletin*. July 1992; 24(7): 332.
- Exxon sponsors ocean climate studies of the northern Gulf of Alaska. *Institute of Marine Science Notes* (University of Alaska, Fairbanks). April 1990; 10(1): 2.
- Exxon study not comprehensive enough.

 Environmental Protection Week. 1990; 4(4): 4.
- Exxon Valdez controversy revived. Oil and Gas Journal. April 26, 1993; 91(17): 26-27.

- The Exxon *Valdez* spill: one year later. *National Fisherman*. July 1990; 71(3): 14-17.
- Exxon vows to fight spill charges. *New Scientist*. March 10, 1990; 125(1707): 29.
- The FOSC report on the response to the Exxon *Valdez* oil spill ... *Ocean Science News*. November 1, 1993; 35(21): 6.
- FYI: high bids total \$227M in central Gulf of Mexico lease Sale 147; deepwater rig activity at all-time high; MMS and risk analysis with Russians; MMS plans series of RIK oil sales; oil spill effects and remediation symposium to be held. MMS Today. May 1994; 4(2): 16-17.
- Fisheries news: oil spill prevention campaign launched. *Fisheries*. March 1994; 19(3): 41.
- Fisheries news: polluters get ticketed for oil spills. *Fisheries*. July 1994; 19(7): 44.
- Florida's history of Rigs to Reefs. Gulf Focus: News from the Gulf of Mexico OCS Region. May 1994; [2].
- Galeta oil spill poses synthetic questions. Currents (Bermuda Biological Station for Research). June 1989; 4.
- 'Gorilla' nets: heavy-duty shrimp gear mops up oildrilling debris. *National Fisherman*. August 1994; 75(4): 37-38.
- Guide to products: pollution control and abatement. *ES & T Environmental Buyers' Guide Edition*. September 1993; 27(10): 27-44.
- Gulf assesses possible Beaufort Sea spill. *Oil and Gas Journal*. [1990]; 88(17): 35-39.
- How ecological concerns were met at Zuidwal field. *Ocean Industry*. August 1989; 24(8): 23+.
- In the news: guerrillas bomb pipeline. *The Courier*. Houma, LA; December 26, 1993; A: 2.
- In the news: oil tanker, barge collide. *The Courier*. Houma, LA; December 1, 1993; A: 2.
- Industry briefs: spills, two products barges and a freighter ... collide Aug. 10 in Florida's Tampa Bay. *Oil and Gas Journal*. August 1, 1993; 92(33): 34.

- Industry briefs: spills, Washington State's Ecology
 Department fined Barber International, Oslo ...
 Oil and Gas Journal. September 6, 1993;
 91(36): 30.
- Irish pennants: last week the UT [University of Texas] boat basin experienced an oil spill of unknown origin. *Lazarette Gazette*. November 1, 1993; 2(22): 10.
- Kelley's Oil and Gas Industry Directory, 1994. East Grinstead, UK: Reed Information Services; 1993. 153 p.
- Largest oil spill research tank in the US will be reopened. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. April 30, 1990; 21(12): 1-3. Note: Includes "Selected oil spill data" from MMS 4/90.
- The lasting effects of the Exxon *Valdez* oil spill. *SFI Bulletin*. March 1993; 442: 4-5.
- Long term monitoring of *Bahia Paraiso* spill. *Antarctic*. 1990; 11(12): 476-478.
- Louisiana oil spill. *Marine Pollution Bulletin*. 1992; 24(5): 227.
- Maersk Navigator supertanker still spilling crude off Sumatra. *Oil and Gas Journal*. February 1, 1993; 91(5): 17.
- Methane: bridging the energy gap. *Energy Digest*. 1989; 18(4): 9(4).
- Minch marked out for next big spill. *New Scientist*. January 1, 1993; 137(1856): 6.
- MTS '92: Global Ocean Partnership: Proceedings; October 19-21, 1992; Washington, DC. Washington, DC: Marine Technology Association; 1992. 1073 p. ISBN: 0933957114.
- National Research Council says double hulls not a sure cure for tanker spills. *Oil and Gas Journal*, 1991; 89(10): 34.
- Natural gas: for better or for worse? *Science News*. August 19, 1989; 127.
- Natural resources: Oil spill prevention: progress made in developing Alaska demonstration projects; Natural resources restoration: use of Exxon *Valdez* oil spill settlement funds. *Reports and Testimony*. August 1993; GAO/OPA-93-11: 32-33. Note: Abstracts.

- Nature reports: Alaskan oil spill. *Nature*. August 10, 1989; 340(6233): 421.
- Nature reports: Alaska's oil spill. *Nature*. September 21, 1989; 341(6239): 174.
- New CSA projects: environmental and economic assessment of discharges from oil and gas operations; permitting the first development/ production operation in the eastern Gulf of Mexico; multidisciplinary environmental services in the Caspian Sea off Azerbaijan; oil and oil dispersants toxicity program. *Resources* (Continental Shelf Associates, Inc.). [1994]; 3:
- New aspects of oil and gas production [Neue Aspekte der Oel-und Gasfoerderung]. *Shell Briefing Service*. December 1989.
- New depot for spill clean-up. *Marine Pollution Bulletin*. February 1993; 26(2).
- New products: oil spill tracking buoy. *Marine Pollution Bulletin*. June 1994; 28(6): 401.
- News: Aegean Sea captain accused. *Marine Pollution Bulletin*. November 1993; 26(11): 591
- News: Alaskan coast threatened by new oil slick. Marine Pollution Bulletin. January 1990; 21(1): 2.
- News and comment: Alaskan oil spill, health risks uncovered. *Science*. August 4, 1989; 245(4917): 463.
- News: anti-pollution strategy for [Arabian] Gulf. Marine Pollution Bulletin. February 1994; 28(2): 65.
- News: California oil spill. *Marine Pollution Bulletin*. April 1990; 21(4): 170.
- News: come-uppance for hidden oil spill. *Marine Pollution Bulletin*. July 1994; 28(7): 411.
- News: environmental concern over new Texas oil port; US oilspill tax reaches target; lucky escape for Florida's beaches. *Marine Pollution Bulletin*. October 1993; 26(10): 537-538.
- News: environmental monitoring in the deep sea. Marine Pollution Bulletin. January 1990; 21(1): 3-4.

- News: Exxon faces punitive damages over *Valdez* spill. *Marine Pollution Bulletin*. August 1994; 28(8): 469-470.
- News: Exxon sues Alaska. *Marine Pollution Bulletin*. January 1990; 21(1): 5-6.
- News: Exxon under attack again. *Marine Pollution Bulletin*. May 1994; 28(5): 272.
- News: Exxon *Valdez* accused of being unseaworthy. *Marine Pollution Bulletin*. November 1993; 26(11): 591.
- News: further oil threat to North African coast. *Marine Pollution Bulletin*. February 1990; 21(2): 53.
- News: GESAMP reports decline in oil pollution. *Marine Pollution Bulletin*. September 1993; 26(9): 471-472.
- News: ghost of Exxon Valdez won't go away. Marine Pollution Bulletin. May 1994; 28(5): 272.
- News: Humber Estuary, second oil slick threat. *Marine Pollution Bulletin*. January 1990; 21(1): 2.
- News: increased oil threat. *Marine Pollution Bulletin*. February 1990; 21(2): 52.
- News: Kuwait reports progress in wake of Gulf conflict. *Oil and Gas Journal*. November 1, 1993; 91(46): 24-25.
- News: minimal impact from *Braer* spill. *Marine*Pollution Bulletin. August 1994; 28(8): 467-468.
- News: more expensive than the *Braer* oil spill.

 Marine Pollution Bulletin. April 1994; 28(4): 196.
- News: oil spill code. *Marine Pollution Bulletin*. April 1990; 21(4): 167.
- News: oil spill political response. *Marine Pollution Bulletin*. April 1990; 21(4): 170.
- News: proposals for routeing tankers in UK waters; compulsory pilotage rejected by UK; *Braer* no longer a pollution threat; Bombay pipeline pollution. *Marine Pollution Bulletin*. July 1993; 26(7): 353-354.
- News: report warns against drilling. *Marine*Pollution Bulletin. January 1990; 21(1): 6.

- News: source of oil spill off Washington state sought. *Marine Pollution Bulletin*. April 1990; 21(4): 172.
- News: support for Exxon's challenge to US government data. *Marine Pollution Bulletin*. February 1994; 28(2): 65.
- News: survey reports decline in oil spills in UK waters. *Marine Pollution Bulletin*. December 1993; 26(12): 663.
- News: Tampa oil spill returns to hit beaches. *Marine Pollution Bulletin*. November 1993; 26(11): 591-592.
- News: tanker standards in question; oil burning may reduce pollution; Exxon challenges US Government *Valdez* spill data. *Marine Pollution Bulletin*. June 1993; 26(6): 293-296.
- News: Wytch Farm drilling goes ahead. *Marine Pollution Bulletin*. February 1994; 28(2): 65.
- News-in-brief: Bahamas; Japan. *Marine Pollution Bulletin*. August 1994; 28(8): 469-470. Note: "Soil and soil water were contaminated when an underground oil pipeline ... Japan's scheme to improve responses to oil spills ...".
- News-in-brief: Bahrain and Saudi Arabia. *Marine Pollution Bulletin*. January 1994; 28(1): 6.
- News-in-brief: Black Sea. *Marine Pollution Bulletin*. July 1993; 26(7): 356.
- News-in-brief: Canada, Greece, Italy, Japan. *Marine Pollution Bulletin*. June 1993; 26(6): 297-298.
- News-in-brief: North Sea, Itlay, Spain, Estonia. *Marine Pollution Bulletin*. March 1993; 26(3): 119.
- News-in-brief: Norway. *Marine Pollution Bulletin*. September 1993; 26(9): 475.
- News-in-brief: South Korea. *Marine Pollution Bulletin*. November 1993; 26(11): 592.
- News-in-brief: Ukraine, Canada. Marine Pollution Bulletin. February 1994; 28(2): 68. Note: "2,000 litres of crude oil spilled ...; 'The world's most environmentally friendly oil tanker design' ...".
- North American news: Alaska spill work. *Marine Pollution Bulletin*. February 1990; 21(2): 54-55.

- Northumberland Strait Crossing Project: impacts of accidental spills of hazardous materials. *Bridge Concept Assessment, Supplement* (Public Works, Charlottetown, PEI, Canada). 1989;
- Noxious liquid substances lists. *Federal Register*. April 24, 1990; 55(79): 17,268-17,269.
- Number of tanker spills falls. *Marine Pollution Bulletin*. April 1992; 24(4): 175-176.
- OGJ newsletter: ... oil spill response vessel working in Alaska's Cook Inlet last week caused a spill ... about 20,440 bbl of crude spilled into the Mediterranean ... as much as 5,000 bbl of crude spilled near Zaragoza, northeast Columbia ... even as industry makes some headway on environmental matters in California ... General Accounting Office contends poor management has stalled environmental restoration under Exxon's ... a major oil spill test burn off Newfoundland appears to be a success ... Oil and Gas Journal. August 30, 1993; 91(35): [i-iii].
- Offshore oil and gas: environmental studies program meets most user needs but changes needed. *GAO Report*. June 1988; RCED-(88-104).
- Offshore report. *Oil and Gas Journal*. May 7, 1990; 88(19): 65-99.
- Offshore water level gauges could aid in oil spill cleanup, CCSU researchers say. New Waves: the Research Newsletter of the Texas Water Resources Institute. April 1993; 6(1): 4.
- Oil development threat off Bardsey Island. *Marine Pollution Bulletin*. February 1993; 26(2).
- Oil leak slows; winds aid Puerto Rico beach cleanup. The Times-Picayune. New Orleans, LA; January 9, 1994; A: 18.
- Oil skimmers *Valdez Star* and *Shearwater*. *Sea Technology*. 1991; 32(9).
- Oil spill cleanup ship to be berthed in Virginia Beach. Bay Journal: Alliance for the Chesapeake Bay. September 1993; 3(6): 11.
- Oil spill damage to national parks in Alaska: hearing before the Subcommittee on National Parks and Public Lands of the Committee on Interior and Insular Affairs, House of Representatives, One Hundred First Congress, first session. Washington, DC: Government Publishing Office; 1992. 114 p.

- Oil spill halted at tanker collision site off Northwest Sumatra. *Oil and Gas Journal*. February 8, 1993; 91(6): 36.
- Oil spill plan for Solent. *Marine Pollution Bulletin*. March 1993; 26(3): 117.
- The Oil Spill Planning Manual. Washington, DC: Thompson Publishing Group; [1993].
- Oil spill preparedness in the upstream petroleum industry (TFOSP). Eastern Offshore News. April 1990; 12(1).
- Oil spill threat in Malacca Strait, monitoring the Haven oil spill: Australians make it hot for unwanted guests. *Marine Pollution Bulletin*. November 1992; 24(11): 528.
- Oil spills: planning, response, modeling, and assessment. *Resources* (Continental Shelf Associates, Inc.). [1994]; 3: 1.
- Oil threat to Washington coast. *Marine Pollution Bulletin*. October 1991; 22(10): 481.
- Petroleum tank fire put out near Empire. *The Times-Picayune*. New Orleans, LA; August 9, 1993; B: 3 (1-3).
- Pipeline accidents spur review request. *Gulf Fishery News*. January 1990; 10(1): 1.
- Postmortem under way of oil spill off NW Spain. *Oil and Gas Journal*. January 4, 1993; 91(1): 24-25.
- Prince William Sound. *Coastal Reporter* (American Littoral Society). July 1989; 1.
- Proceedings: 1991 International Oil Spill Conference (Prevention, Behavior, Control, Cleanup); March 4-7, 1991; San Diego, California. American Petroleum Institute; 1991.
- Proceedings of the 1992 International Produced Water Symposium. Washington, DC: IPWS; [1990?].
- Products tanker collides with vessel off Belgium. *Oil and Gas Journal*. June 18, 1993; 91(24): 16.
- Proposed rules: oil spill financial responsibility for offshore facilities including state submerged lands and pipelines. *Federal Register*. October 6, 1993; 58(192): 52,050.

- Published search: Exxon *Valdez* oil spill. Springfield, VA: NTIS; [1993]; PB93-862167CBY. Note: Citations from Energy Science and Technology Database.
- Published search: natural gas, marine transportation. Springfield, VA: NTIS; [1993]; PB93-854974CBY. Note: Citations from Oceanic Abstracts.
- Published search: oil spills, environmental effects. Springfield, VA: NTIS; [1993]; PB93-859361CBY. Note: Citations from Selected Water Resources Abstracts.
- Published search: oil spill recovery, oil booms and skimmers. Springfield, VA: NTIS; [1993]; PB93-959924CBY. Note: Citations from Patent Bibliographic Database.
- Published search: oil spill removal, dispersants, absorbents, booms, and skimmers. Springfield, VA: NTIS; [1992]; PB92-853589CBY. Note: Citations from Life Sciences Collection.
- Published search: oil spill removal techniques and equipment. Springfield, VA: NTIS; [1992]; PB92-854736CBY. Note: Citations from Oceanic Abstracts.
- Published search: oil spills, biological effects.
 Springfield, VA: NTIS; [1992]; PB92851740CBY. Note: Citations from National
 Technical Information Service Bibliographic
 Database.
- Puerto Rican spill. *Marine Pollution Bulletin*. March 1994; 28(3): 136.
- Recently released Gulf studies: MMS-funded study examines the effects from past natural gas drilling activities offshore Florida and Alabama; MMS releases environmental research bibliography. Gulf Focus: News from the Gulf of Mexico OCS Region. May 1994; [3].
- Report of the ICES advisory committee on marine pollution, 1992. International Council for the Exploration of the Sea; 1992. 203 p. (ICES Cooperative Research Report; 190).
- Research plan on oil spill gets underway. *IMS Newsletter*. 1991; 59/60: 8.

- Review of bioremediation experience in Alaska. *In*: Hinchee, R. E.; Alleman, B. C.; Hoeppel, R. E.; Miller, R. N.; (Eds.) *Hydrocarbon Bioremediation*. Boca Raton, FL: Lewis Publishers; 1994. 496 p.
- Saving our seas from oil spills: the Exxon *Valdez* disaster in 1989 and graphic television images of oil-soaked birds and seals has done much to raise public awareness of the potential damage from oil spills at sea; Australia has recently reviewed its plan to combat pollution of the seas by oil. *Australian Fisheries*. March 1994; 53(3): 15-16.
- Scientists, regulators, industry reps and environmentalists considered the Exxon Valdez oil spill "five years later" at a University of Alaska conference ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. April 2, 1994; 25(5): 1-3.
- Sea Grant's response to the oil spill. Bulletin of the School of Fisheries and Ocean Sciences (University of Alaska, Fairbanks). May 1989; II(1): 5.
- Soundings: environment gets little from Prince William Sound oil spill startup funds. *Sea Technology*. September 1993; 34(9): 9.
- Spain accused of cover-up over Aegean Sea oil spill. New Scientist. January 9, 1993; 137(1855): 9.
- Speaking of disasters, Hawaii's Rose T. Pfund writes in her study of 'Oil Spills at Sea,' ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. August 1, 1993; 24(15): 2-3.
- Spill contingency planning for FPL [Florida Power and Light]. *Resources* (Continental Shelf Associates, Inc.). [1994]; 3: 3.
- Spill shuts off water supplies. *Environment*. 1990; 224(14): 14-15.
- Stephen F. Austin biologists study East Texas streams to determine impact of oil production. New Waves: The Research Newsletter of the Texas Water Resources Institute. March 1994; 7(1): 8.
- Storm trims oil flow in North Sea. *Oil and Gas Journal*. January 1, 1993; 91(3): 20-22.

- Study seeks ways to develop untapped Offshore California oil. *Oil and Gas Journal*. February 1, 1993; 91(7): 42.
- Tanker accident off the Texas coast [The Mega Borg case]. Coastal Zone Management: First
 Newsletter of Coastal Resources and Exclusive
 Economic Zone Management. June 20, 1990;
 21(17): 1-2.
- Tanker Spills: Prevention by Design. Washington, DC: National Academy Press; 1991.
- Technology: efficient operation key elements in environmental strategy. *Oil and Gas Journal*. November 29, 1993; 91(48): 39-49.
- UK oil spills reach new record. *Marine Pollution Bulletin*. October 1991; 22(10): 482.
- UK tackles foreign oil polluters. *Marine Pollution Bulletin*. March 1992; 24(4): 176.
- US to use CVM for spill damage assessment. *Marine Pollution Bulletin*. March 1994; 28(3): 135-136.
- USCG initiated a pilot program of issuing 'tickets' for oil spills ... Coastal Zone Management:
 First Newsletter of Coastal Resources and
 Exclusive Economic Zone Management. May
 31, 1994; 25(7): 6.
- USCG signed a MOA with Hawaii for a plan for handling oil pollution... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. July 31, 1993; 24(14): 3.
- Unique design, strict operating rules mark Zuidwal Field. *Oil and Gas Journal*. August 15, 1988; 86(33): 44-46.
- Unnatural Gas. *Nature*. August 8, 1991; 352(6335): 476
- Virginia hid its waste site. *US Water News*. November 1990; 7(5): 1.
- Watching the world: zero risk. Oil and Gas Journal. 1991; 89(14): 35.
- Wave-battered barge leaks more oil. *The Times-Picayune*. New Orleans, LA; January 14, 1994; A: 16.
- When offshore wells shut down. *Science News*. July 1, 1994; 146(3): 47.

- ASTM. Standards Volume 11-04: Pesticides; Resource Recovery; Hazardous Substances and Oil Spill Responses; Waste Disposal; Biological Effects. ASTM; 1993. 1622 p. ISBN: 0803119631.
- Abarnou, A.; Miossec, L. Chlorinated waters discharged to the marine-environment chemistry and environmental-impact: an overview. *Science of the Total Environment*. 1992; 126(1-2): 173-197.
- Abernathy, S. A. Drilling and production discharges and oil spills in the marine environment. Herndon, VA: US Department of the Interior, Minerals Management Service, Atlantic OCS Region; March 1989; OCS/EIS/EA/MMS 89-0065. 75 p.
- Abjul Tahman, M. N. Noise survey in offshore operations. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Abraham, K. S. Wytch Farm development stresses environmental responsibility. *World Oil*. April 1990; 210(4).
- Abu-Hilal, A. H.; Khordagui, H. K. Assessment of tar pollution on the United Arab Emirates beaches. *Environment International*. 1993; 19(6): 589-596.
- Acker, F. Can food additives eat up oil spills. *New Scientist*. June 25, 1994; 142(1931): 22.
- Adams, S. Dealing with disaster: when oil hits the water. *Nor'Easter*. March 1993; 5(1): 28-31.
- Advisory Committee on Pollution of the Sea; (Ed.) *Marine Pollution*. Oxford: Pergamon Press; 1990. 188 p. (ACOP Advisory Committee on the Pollution of the Sea; v. 1). ISBN: 0080408095.
- Aizawa, S. Present and future trend of offshore drilling and process system [Kaiyo sekiyu kussaku, seisan sochi no genjo to kongo]. *Nippon Kikai Gakkaishi*. July 5, 1990; 93(860).
- Alam, I. A. H. The 1991 Gulf War oil spill: lessons from the past and a warning for the future.

 Marine Pollution Bulletin. 1993; 27: 357-360.

- Albaiges, J.; (Ed.) Marine Pollution. New York: Hemisphere Publishing Corporation; 1989. 365 p. Note: "contains the text of thirteen lectures delivered at the Arab School of Science and Technology in Syria during August 1987".
- Aldhous, P. Petroleum geology: black gold causes a stir. *Nature*. October 1, 1991; 353(6345): 593.
- Alexander, V. SFOS response to Exxon Valdez oil spill. Bulletin of the School of Fisheries and Ocean Sciences (University of Alaska, Fairbanks). May 1989; II(1): 1.
- Alidi, A. S. Locating oil spill response centres using mathematical models. *Marine Pollution Bulletin*. April 1993; 26(4): 216-219.
- Al-Kandari, R. A. A. The importance of water in the ecosystem and marine crisis in the Gulf region. *GeoJournal*. 1992; 27(4): 353-363.
- Alkhoshman, M. A. Oil spill prevention, cleanup, and emergency response in the Gulf of Aqaba: a technical analysis. *In*: Sandler, D.; Adly, E.; Alkhoshman, M. A.; Warburg, P.; Berstein, T. *Protecting the Gulf of Aqaba*. Washington, DC: Environmental Law Institute; c1993: 217-239. ISBN: 0911937463.
- Allcock, R. River pollution control: the way forward in Scotland. *Farm Building Progress*. January 1992; (107): 8-10.
- Allen, G. Chukchi Sea oil and gas lease Sale 126, Alaska outer continental shelf, draft environmental impact statement. Anchorage, AK: US Department of the Interior, Minerals Management Service, Alaska Outer Continental Shelf Office; July 1990; MMS/AK/EIS-90/003; OCS/EIS/EA/MMS-90/0035, 286 p.
- Alm, A. L. Pollution prevention and TQM: examples of paradigm shifts. *Environmental Science and Technology*. March 1992; 26(3): 452.
- Alm, A. L. Editorial: a two-year retrospective. Environmental Science and Technology. 1991; 25(6): 1023.
- Al-Sulaimi, J.; Viswanathan, M. N.; Székely, F. Effect of oil pollution on fresh groundwater in Kuwait. *Environmental Geology*. November 1993; 22(3): 246-256.

- Ambrose, P. Strait of Malaaca threatened again.

 Marine Pollution Bulletin. March 1993; 26(3): 116-117.
- American Petroleum Institute. Annotated bibliography on wetlands impacts and mitigation on the US Gulf Coast and Alaska. American Petroleum Institute; 862-60800.
- American Petroleum Institute. Produced water impacts on Louisiana wetlands. American Petroleum Institute; February 1991. 841-45170.
- Anderson, C. Untapped data in vaults. *Nature*. November 1, 1990; 348(6296): 5.
- Anderson, C. B.; Starer, Brian D. Contingency planning crucial to oil-spill response. *Oil and Gas Journal*. March 5, 1990; 88(10): 4.
- Anderson, C. M.; LaBelle, R. P. Estimated occurrence rates for analysis of accidental oil spills on the US outer continental shelf. *Oil and Chemical Pollution*. 1990; 6(1): 21-35.
- Armstrong, S. California oil spill rekindles debate on prevention, drilling. *Christian Science Monitor*. 1990; 82(52): 7.
- Armstrong, S. Cleanup hits high gear: some oil washes ashore; biggest impact may be in battle over drilling. *Christian Science Monitor*. 1990; 82(53): 8.
- Arnett, G.; et al. S. P. O. S. S.: self propelled oil surface skimmer. Durham, NH: New Hampshire Sea Grant, University of New Hampshire; 1993; NHU-T-93-002 (AR-93-8). 68 p.
- Ashley, R. P.; Lerner, D. N.; Lloyd, J. W. Distribution and degradation of diesel oil in the unsaturated zone following an oil spill on a chalk aquifer. *Journal of Hydrology*. July 1994; 159(1-4): 43-59.
- Asuquo, F. E. Tar balls on Ibeno-Okposo beach of southeast Nigeria. *Marine Pollution Bulletin*. March 1991; 22(3): 150-151.
- Aurand, D. Proceedings of the North Atlantic Submarine Canyons Workshop: synthesis summary, final report; February 7-9, 1989. Herndon, VA: Minerals Management Service, Atlantic OCS Region; June 1989; 1, 150 p. OCS/MMS 89-0016, v. 1.

- Aurand, D. V. Future of the Department of the Interior OCS Studies Program. Oceans '88:

 Proceedings A Partnership of Marine
 Interests; October 31-November 2, 1988.

 IEEE; US Department of the Interior, Minerals
 Management Service; 1988; 1: 161-165.
- Awad, H.; Bakhadlag. Monitoring of oily refinery effluent in the marine environment: a case study. First International Energy Foundation, Mediterranean Offshore Conference Proceedings; February 17-20, 1991; Tripoli, Libya. 1991; 1: 359-374.
- Awad, H. Oil contamination in the Red Sea environment. *Water, Air, and Soil Pollution*. June 1989; 45(3-4): 235.
- Badawy, M. I.; Al-Harthy, F. T. Tar loads on Omani beaches. *Bulletin of Environmental Contamination and Toxicology*. 1991; 47(5): 732-737.
- Badger, T. A. Exxon, Hazelwood were reckless, jury concludes. *The Times-Picayune*. New Orleans, LA; June 14, 1994; A: 1, 6.
- Badger, T. A. Jury finds Exxon acted recklessly in *Valdez* oil spill. *The Courier*. Houma, LA; June 14, 1994; A: 5.
- Baez, A. V.; Knamiller, G. W.; Smythe, J. C.; (Eds.) The Environment and Science and Technology Education. New York: Pergamon; 1987. 446 p.
- Bajusz, A. M., Comp. Offshore scientific and technical publications, 1987 annual. Herndon,
 VA: US Department of the Interior, Minerals Management Service; 1990; OCS/MMS 90-0004. 20 p.
- Balls, M. Time to reform toxic tests. *New Scientist*. May 2, 1992; 134(1819): 31-33.
- Barclay, J. Even a 100-year storm couldn't make the oil spill. *MMS Today*. November 1993; 4(1): 7.
- Bardot, C. Toxicity of chemically dispersed oil in a flow-through system. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 207-209.
- Barnaby, F. The environmental impact of the Gulf War. *Ecologist*. 1991; 21(4).

- Barrett, M. Peaceful coexistence: oil spills and wildlife. Coast and Sea: Marine and Coastal Research in Louisiana's Universities.

 December 1993; 3(1): 13-14.
- Bashari, A. Occurrence of heavy crude oil in the Persian Gulf. Heavy Crude and Tar Sands Fourth International Conference; August 7-12, 1988; Edmonton, Alberta, Canada. UN Institute of Training and Research, et al.; [1988]; 2: 203(12).
- Bayha, K. Role of the US Fish and Wildlife Service in the sea otter rescue. *US Fish and Wildlife Service Biological Report*. 1990; 90(12): 26-28.
- Beard, J. Editorial: excuse me captain, is this your oil spill. *New Scientist*. August 1, 1994; 143(1938): 20.
- Beard, J. Oil spill spawns Alaskan 'Science Rush'. The Scientist. June 12, 1989; 3(12): 12.
- Berger, J. J.; (Ed.) Environmental Restoration: the Science and Strategies for Restoring the Earth. Washington, DC: Island Press; 1990. ISBN: 0933280947.
- Bergman, H. L.; Kimerle, R. A.; Maki, A. W.; (Eds.) Environmental Hazard Assessment of Effluents. New York: Pergamon; 1985. 382 p.
- Bergueiro-Lopez, J. R.; Morales-Correas, N.;
 Dominguez-Laseca, F. The latest oil spills in
 the Mediterranean Sea. Proceedings of the
 Fifteenth Arctic and Marine Oilspill Program
 Technical Seminar; June 10-12, 1992;
 Edmonton, Alberta, Canada. Ottawa, Ontario,
 Canada: Environment Canada; 1992: 165-179.
 ISBN: 0662590503.
- Bermúdez, R. LOOP [Louisiana Offshore Oil Port, Inc.] performing well environmentally. Louisiana Environmentalist. May 1994; 2(3): 10-15.
- Bertrand, A.; Escoffier, L. Offshore data base shows decline in rig accidents. *Oil and Gas Journal*. 1991; 89: 37.
- Beurskens, J. E. M.; Winkels, H. J.; Dewolf, J.; Dekker, C. G. C. Trends of priority pollutants in the Rhine during the last fifty years. *Water Science and Technology*. 1994; 29(3): 77-85.

- Birch, C. P. Production in Bass Strait. *CEA: Chemical Engineering in Australia*. March 1989; 14(1): 12-18.
- Bjorge, A. J.; Gray, J. S. News: deadline for new tankers; Dutch take tougher line on bunkering pollution; pollution prevention programme for Mediterranean. *Marine Pollution Bulletin*. August 1993; 26(8): 414-415.
- Blenkey, N. Editorial: old tankers and new rules. *Marine Log*. March 1994; 99(3): 3.
- Blenkey, N. Editorial: it's an ill spill. *Marine Log*. May 1994; 99(5): 3.
- Bloemendal, J. W. Petroleum industry and the environment. *Proceedings: European Petroleum Conference; October 17-19, 1988.* Richardson, TX: Society of Petroleum Engineers of AIME; 1988: 501-506.
- Bodkin, J. L.; Weltz, F. Evaluation of sea otter capture after the T/V Exxon *Valdez* oil spill, Prince William Sound, Alaska. *US Fish and Wildlife Service Biological Report*. 1990; 90(12): 61-68.
- Boesch, D. F.; Rabalais, N. Long-Term Environmental Effects of Offshore Oil and Gas Development. London: Elsevier Applied Science; 1987. 708 p.
- Bolze, D.; Lee, M. Offshore oil and gas development: the ecological effects beyond the offshore platform. Coastal Zone '89: Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989. New York: ASCE; 1989; 2: 1,920-1,934.
- Bolze, D. A. Outer continental shelf oil and gas development in the Alaskan Arctic. *Natural Resources Journal*. December 1990; 30(1): 17(48).
- Bomboi, M. T.; Hernandez, A. Hydrocarbons in urban runoff, their contribution to the wastewaters. *Water Research*. 1991; 25(5): 557-566.
- Booth, M.; Butler, J. D. A new approach to permit to work systems offshore. *Safety Science*. 1992; 15(4-6): 309-326.

- Bouloubassi, I.; Saliot, A. Composition and sources of dissolved and particulate PAH in surface waters from the Rhone Delta (NW Mediterranean). *Marine Pollution Bulletin*. December 1991; 22(12): 588-594.
- Bourodimos, E. L.; Carvounis, C. C. Oil transport management and marine pollution control: oil spill prevention. *In: Environmental Problems and Solutions: Greenhouse Effect, Acid Rain, Pollution.* New York: Hemisphere Publishing; 1990.
- Bowles, L. G. Geophysical research and our marine environment. *Proceedings of the 22nd Annual* Offshore Technology Conference and Exhibition (OTC '90). 1990; 4.
- Bowles, L. G. Marine geophysics and the environment are compatible. *World Oil*. September 1990; 211(3).
- Boyer, J. M.; Chapra, S. C. Fate of environmental pollutants. *Research Journal of the Water Pollution Control Federation*. June 1991; 63(4): 607-619.
- Brewer, G. D.; Hyland, J. L.; Hardin, D. D. Effects of oil drilling on deepwater reefs offshore California. AFS Symposium 11: Outer Continental Shelf Fisheries Management Conflicts; September 7-8, 1989; Anchorage, Alaska. American Fisheries Society; 1989: 26-39.
- Bridgeo, W. A.; Eisenhauer, H. R.; (Eds.) Arctic Water Pollution Research: Applications of Science and Technology. New York: Pergamon; 1986. 194 p. Note: Previously published as Water Science and Technology, 18(2).
- Brinken, A. O.; Pyzhin, V. A. Some ecological problems in developing the Arctic (the foreign experience). *Polar Geography and Geology*. 1993; 17(1): 72-78. Note: Translated from: *Izvestiya Russkogo Geograficheskogo Obshchestva*, 1992, 124(2): 176-181.
- Brookes, A. Restoration and enhancement of engineered river channels: some European experiences. *Regulated Rivers Research and Management*, 1990; 5(1): 45-56.

- Brooks, J. M.; Giammona, C. P.; (Eds.) Mississippi-Alabama Marine Ecosystem Study annual report, year 2: volume I, technical narrative. College Station, TX: Texas A & M University, Research Foundation; January 1990.
- Brooks, J. M.; Giammona, C. P.; (Eds.) Mississippi-Alabama Marine Ecosystem Study annual report, year 2: volume II, appendices. College Station, TX: Texas A & M University, Research Foundation; January 1990.
- Brotoisworo, E. Problems of enclosed coastal seas development: the Bintuni case, Irian Jaya, Indonesia. *Marine Pollution Bulletin*. 1991; 23: 431-435.
- Brouwer, P.; McDonald, J. W.; Richardson, W. J.; Davis, R. A. Arctic industrial activities compilation, volume 3: Canadian Beaufort Sea: seismic and sounding surveys, vessel movements, helicopter traffic and site-specific activities 1980 to 1986. Canadian data report of hydrography and ocean sciences. 1988. 32 p.
- Brown, A. C.; Davies, B. R.; Day, J. A.; Gardiner, A. J. C. Chemical pollution loading of False Bay. *Transactions of the Royal Society of South Africa*. 1991; 47(P4-5): 703-716.
- Brown, A. L.; Hanley, M. M.; Stanton, N. M. Surface oil skimmer. Durham, NH: New Hampshire Sea Grant, University of New Hampshire; 1993; NHU-T-93-001 (AR-93-7). 50 p.
- Brown, R. D. Health and Environmental Effects of Oil and Gas Technologies: Research Needs. McLean, VA: METREK Division, MITRE Corporation; 1981. Note: Summary in English.
- Browne, M. W. \$51,260 to rehabilitate an otter was worth it, researchers say. *New York Times*. New York, NY; October 2, 1990: C4.
- Bruney, J. M.; Trimm, D. L. Marsh recovery following an oil spill and in-situ burning.

 ALSO and SWS 1993 Annual Meeting:

 Abstracts; May 30-June 3, 1993; Edmonton, Alberta, Canada. 1993. Note: Summary only.
- Burmaster, D. E.; Menzie, C. A.; Freshman, J. S.; Burris, J. A.; Maxwell, N. I.; Drew, S. R. Assessment of methods for estimating aquatic hazards at Superfund-type sites: a cautionary tale. *Environmental Toxicology and Chemistry*. 1991; 10(6): 827-842.

- Burns, K. A. Analytical methods used in oil spill studies. *Marine Pollution Bulletin*. February 1993; 26(2): 68-72.
- Busch, L. Science under wraps in Prince William Sound. *Science*. 1991; 252(5007): 772-773.
- Bush, B. L.; Levine, G. The generation and management of wastes and secondary materials in the petroleum refining industry: 1987-1988. Hazardous Waste and Hazardous Materials. December 1992; 9(1): 73-84.
- Bush, S. Kuwait oil spill studied. *Eos.* 1992; 73(8): 1-2.
- Cairns, J. Paradigms flossed: the coming of age of environmental toxicology. Environmental Toxicology and Chemistry. 1992; 11(3): 285-287.
- Cairns, Jr., J.; Buikema, A. L. Restoration of Habitats Impacted by Oil. Woburn, MA: Butterworths; 1987.
- Cairns, W. J.; (Ed.) North Sea Oiland the Environment. New York: Elsevier Applied Science; 1992. 722 p. ISBN: 1851667040.
- Campagna, P. R.; Humphrey, A. Air sampling and monitoring at the Kuwait oil well fires. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 575-592. ISBN: 0662590503.
- Campbell, D. Concern for the environment fuels popularity of gas. *The Courier*. Houma, LA; September 26, 1991; C: 1.
- Camphuysen, C. J.; van Franeker, J. A. Monitor birds, the value of beached bird surveys in monitoring oil pollution: proposal for a European Beached Bird Survey (EBBS) to monitor the effectiveness of policy measures to reduce oil pollution at sea. *Technisch Rapport Vogelbeschirming*. 1992; 10: 195 p. Note: English with a Dutch summary.
- Canadian Petroleum Association. Oil-spill preparedness in the upstream petroleum industry. Calgary, Alberta, Canada: Canadian Petroleum Association; 1989.

- Carlson, P. R. Conclusions and recommendations; 1989 Prince William Sound oil spill, the following year. Carlson, P. R.; (Ed.) Sediment of Prince William Sound, beach to deep fjord floor, a year after the Exxon *Valdez* oil spill. Fairbanks, AK: Alaska Division of Geology and Geophysics Survey; 1991. 99-101. US Geological Survey Open File Report; OP-91-0631
- Casteel, P. Galveston Bay: we're halfway there. Texas Shores. March 1993; 26(1): 4-25.
- Catallo, W. J. Ecotoxicology and wetland ecosystems: current understanding and future needs. *Environmental Toxicology and Chemistry*. December 1993; 12(12): 2,209-2,224.
- Cayias, J. L.; Gordon, R. D. Using risk assessment for environmental planning. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 523-533.
- Cedar-Southworth, D. MMS lends expertise in air and water quality sampling and analyses. *MMS Today*. November 1993; 4(1): 8-9.
- Ceffa, L. Modern techniques and related studies for oil spill response on beaches and polluted soils. First International Energy Foundation, Mediterranean Offshore Conference Proceedings; February 17-20, 1991; Tripoli, Libya. 1991; 1: 147-159.
- Cekirge, H. M.; Al-Rabeh, A. H.; Gunay, N. Use of three generations of oil spill models during the Gulf War oil spills. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 93-105. ISBN: 0662590503.
- Chakbarati, S. Offshore technology: research trends and opportunities. *Journal of Offshore Mechanics and Arctic Engineering*. 1993; 115(1): 1. Special issue: Eleventh International Symposium and Exhibit on Offshore Mechanics and Arctic Engineering; June 7-11, 1992; Calgary, Alberta, Canada.

- Chapman, P. M.; Heip, C.; Cofino, W. What is the pollution status of North Sea sediments?
 Canadian Technical Report Fisheries and Aquatic Sciences. 1993; 1942: 375-396. Special issue: Proceedings of the Nineteenth Annual Aquatic Toxicity Workshop; October 4-7, 1992; Edmonton, Alberta, Canada; Baddaloo, E. G.; Ramamoorty, S.; Moore, J. W.; (Eds.)
- Chapman, P. M. Pollution status of North Sea sediments: an international integrative study. *Marine Ecology Progress Series*. December 31, 1992; 91(1-3): 313-322.
- Charles, D. No safe place yet for toxic waste. *New Scientist*. January 18, 1992; 133(1804): 24.
- Charnock, H.; Dyer, K. R.; Huthnance, J. M.; Liss, P. S.; Simpson, J. H.; Tett, P. B.; (Eds.) Understanding the North Sea system. Transactions - Royal Society of London, A. 1993; 343(1669): 1-205.
- Charnock, H.; Dyer, K. R.; Huthnance, J. M.; Liss, P. S.; Simpson, J. H.; Tett, P. B. *Understanding the North Sea System*. London: Chapman and Hall; 1994. xiv, 222 p. ISBN: 0412554801.
- Chen, Y. Assessment of water quality nearshore of Liaoning Province. *Marine Science Bulletin Haiyang Tongbao*. 1992; 11(4): 33-40.
- Chiavarini, S.; Galletti, M.; Michetti, I.; Perini, A.; Testa, L. Environmental monitoring at Terra-Nova Bay station from 1989 to 1991. International Journal of Environmental Analytical Chemistry, 1994; 55(1-4): 331-340.
- Chico, T. Air quality issues, environmental studies, and cumulative impacts in the Pacific OCS region. Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 166-171.
- Chilingarian, G. V.; Kumar, S.; Robertson, Jr., J. O. Surface Operations in Petroleum Production.
 [1989]. (Elsevier Development [in] Petroleum Science Series; v. 19 B, part 2). ISBN: 0444426779.
- Clark, R. B. Assessing marine pollution and its remedies. *South African Journal of Marine Science* [Suid-Afrikaanse Tydskrif Vir Seewetenskap]. 1991; 10: 341-351.

- Clark, R. B. Impact of offshore oil operations in the North Sea. Oceans '88: Proceedings - A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 184-187.
- Clark, R. B. Summary and conclusions: environmental effects of North Sea oil and gas developments. *Philosophical Transactions* -*Royal Society of London, B.* 1987; 316(1181).
- Claxton, L. D. Oil spill clean-up. *Nature*. 1991; 353(6339): 24-25.
- Clemmer, D. I.; Diem, J. E. Major mishaps among mobile offshore drilling units, 1955-1981: time trends and fatalities. *International Journal of Epidemiology*. March 1985; 14(1): 106-12.
- Cline, J. T.; Forde, R. Environmental program with operational cases to reduce risk to the marine environment significantly. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Cognetti, G. Colonization of stressed coastal environments. *Marine Pollution Bulletin*. January 1992; 24(1): 12-14.
- Cohen, A. Bioremediation: bacteria get tough on pollutants. *Nor'Easter*. March 1994; 6(1): 28-31.
- Cole, G. Mattney. Assessment and Remediation of Petroleum-Contaminated Sites. Boca Raton, FL: Lewis Publishers; 1994. 368 p. ISBN: 0873718240.
- Coleman, R. J.; Williams, Kara Hewson. *Hazardous Materials Dictionary*. Lancaster, PA: Technomic; 1988. 176 p. ISBN: 0877625395.
- Coles, P. Moroccan oil slick disperses. *Nature*. 1990; 343(6254): 107.
- Connell, D. W.; Hawker, D. W. *Pollution in Tropical Aquatic Systems*. Boca Raton, FL: Lewis Publishers; 1991. ISBN: 0849365813.
- Constable, A. J. The role of science in environmental protection. Australian Journal of Marine and Freshwater Research. 1991; 42(5): 527-539.

- Cooke, M.; Dennis, A.; (Eds.) Proceedings of International Polynuclear Aromatic Hydrocarbon Symposia, PAH-X: Polynuclear Aromatic Hydrocarbons, A Decade of Progress. Columbus, OH: Battelle Press; 1988. 960 p.
- Cooke, R.; Mostaghimi, S.; Parker, J. C. Estimating oil spill characteristics from oil heads in scattered monitoring wells. *Environmental Monitoring and Assessment*. October 1993; 28(1): 33-51.
- Cooper, C. B.; Doyle, M. E.; Kipp, K. Risks of consumption of contaminated seafood: the Quincy Bay case study. *Environmental Health Perspectives*. 1991; 90: 133-140.
- Corbin, C. J. Petroleum contamination of the coastal environment of St. Lucia. *Marine Pollution Bulletin*, October 1993; 26(10): 579-580.
- Cormack, D.; (Ed.) *Oil and Chemical Pollution*. 1989; 5(2-3): 238 p. Special issue: Resource Damage Assessment in the Marine Environment.
- Cormack, D. Response to Oil and Chemical Marine Pollution. The Netherlands: Elsevier; 1983. 531 pp.
- Corredor, J. E.; Morell, J. M.; Del Castillo, C. E. Persistence of spilled crude oil in a tropical intertidal environment. *Marine Pollution Bulletin*. August 1990; 21(8): 385-388.
- Costanzo, D.; McKenzie, B. Wildlife response on the Alaskan North Slope. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 773-790. ISBN: 0662590503.
- Costello, J. D. Oil spill response: countdown to readiness. *Sea Technology*. 1993; 34(4): 54-58.
- Costello, J. D. Top executive talks about the new MSRC. *Ocean Industry*. 1991; 26(5).
- Countess, R. J.; Browne, D. Fugitive hydrocarbon emissions from Pacific offshore oil platforms: models, emission factors, and platform emissions. *Journal of the Air and Waste Management Association*. November 1993; 43(11): 1,455-1,460.

- Cox, G. V.; (Eds.) Oil Spill Studies, Strategies and Techniques. Park Forest South, IL: Pathotox; 1980. 148 pp.
- Cox, J. Sea turtles. *Texas Parks and Wildlife*. March 1994; 52(3): 34.
- Cramer, D. W. Transportation of sea otters to rehabilitation centers. *US Fish and Wildlife Service Biological Reports*. 1990; 90(12): 91-94.
- Cripps, G. C. Hydrocarbons in the Antarctic marine environment: monitoring and background.

 International Journal of Environmental

 Analytical Chemistry. 1994; 55(1-4): 3-13.
- Crow, P. Watching Washington: Congress notes the *Braer* spill. *Oil and Gas Journal*. February 1, 1993; 91(7): 36.
- Crow, P. Watching Washington: environmental issues take center stage. *Oil and Gas Journal*. April 5, 1993; 91(14): 26.
- Curtis, C. E. Information needs and multiple-use decisions: an environmental perspective. USGS/NOAA Exclusive Economic Zone Management Economic Zone Symposium; November 17-20, 1987; Reston, Virginia. 31(4).
- Curtis, C. E. Protecting the oceans. *Oceanus*. 1990; 33(2): 19-22.
- Dahab, O. A.; Al-Madfa, H. Oil pollution in Qatari coastal sediments. *Environmental Pollution*. 1993; 81(2): 113-116.
- Darmame, M. Shore and sea pollution: the example of the Moroccan coast between Oualidia and Safi. *Norois*. 1992; 39(154): 207-214. Note: In Arabic, French and English.
- Davies, J. M.; Kingston, P. F. Sources of environmental disturbance associated with offshore oil and gas developments. *In*: Cairns, W. J.; (Ed.) *North Sea Oil and the Environment: Developing Oil and Gas Resources, Environmental Impacts and Responses.* London: Elsevier; 1992: 417-440.
- Davies, N. J.; Wolff, G. A. Mersey oil spill, August 1989: a case of sediments contaminating the oil. *Marine Pollution Bulletin*. October 1990; 21(10): 481-484.

- Degange, A. R.; Williams, T. D. Procedures and rationale for marking sea otters captured during the T/V Exxon Valdez Oil Spill. US Fish and Wildlife Service Biological Reports. 1990; 90(12): 394-399.
- Department of Environmental Protection, Bureau of Hazardous Materials and Solid Waste Control, Division of Response Services (Maine). Marine Oil Spill Contingency Plan. Augusta, ME: Division of Response Services, Bureau of Hazardous Materials and Solid Waste Control, Department of Environmental Protection; 1992.
- Deutsch, L. Running aground: what's wrong with the oil-shipping industry. *Audubon*. May 1994; 96(3): 125-128.
- Dicks, B.; (Ed.) Ecological impacts of the oil industry. Proceedings of the International Meeting on the Ecological Impacts of the Oil Industry; November 1987. London, UK: The Institute of Petroleum; 1989.
- Dicks, B. M.; White, I. C. Oil spills: effects and response. *In*: Cairns, W. J.; (Ed.) *North Sea Oil and the Environment*. Elsevier Applied Science; 1992; 441-457.
- Dickson, D. L. The red-throated loon as an indicator of environmental quality. Canadian Wildlife Service Occasional Paper; 73.
- Doerffer, J. W. Oil Spill Response in the Marine Environment. Oxford, UK: Pergamon; November 1992. ISBN: 0080410006H.
- Dokken, Q. Flower Gardens Ocean Research Project: using offshore platforms as research stations. *Marine Technology Society Journal*. 1993; 27(2): 45-50.
- Domenowske, R.; She, N. Statistical characterization of priority pollutant distributions in offshore marine sediments. *Proceedings of Oceans '91: Ocean Technologies and Opportunities in the Pacific for the '90's; October 1-3, 1991; New York, New York.* Piscataway, NJ: IEEE Service Center; 1991; v. 2: 1,032-1,036.
- Douros, W. J.; Carter, B.; Anthony, D. K. Risks of transporting petroleum and other materials from offshore oil and gas development. *Coastal Zone: Proceedings of the Seventh Symposium on Coastal and Ocean Management; July 8-12, 1991.* 4: 3,747-3,760.

- Doust, H.; Omatsola, E. Niger Delta. *AAPG Memoir*. 1990; 48.
- Earl, B. News: Irish Sea oil pollution incidents, winter 1994. *Marine Pollution Bulletin*. May 1994; 28(5): 274-275.
- Earle, S. A. Persian Gulf pollution: assessing the damage one year later. *National Geographic*. 1992; 181(2): 122-134.
- Ebdon, R. W.; Ellinas, C. P. Decommissioning and removal of offshore structures: a state of the art. Proceedings of the Eighth International Conference on Offshore Mechanics and Arctic Engineering Symposium, 1989; March 19-23, 1989. New York: American Society of Mechanical Engineers (ASME); 1989; I (of VI): 215-231.
- Eckenfelder, W. W.; Lankford, P. W. Protocol for source toxicity evaluation. *Water Science and Technology*. 1992; 25(3): 45-54.
- Eckert, K. L.; Eckert, S. A.; (Eds.) Tampa Bay oil spill threatens turtles. *Marine Turtle Newsletter*. January 1994; 64: 29.
- Edwards, J. R. Bluewater laboratory: Mobil Oil rig gives scientists a research platform near the flower gardens reef. *Texas Parks and Wildlife*. March 1994; 52(3): 26-35.
- Eilperin, J. Effects of oil, gas platforms on fish topic of LSU [Louisiana State University] study. *The Courier*. Houma, LA; June 1, 1994; B: 1.
- Elliott, A. J. Eurospill. *Marine Pollution Bulletin*. November 1991; 22(11): 548-553.
- Emara, H. I. Oil pollution in the southern Arabian Gulf and Gulf of Oman. *Marine Pollution Bulletin*. August 1990; 21(8): 399-401.
- Emsley, J. Precious metal builds rich mix of hydrocarbons. *New Scientist*. October 5, 1991; 132(1789): 20.
- Englehardt, F. R. The MSRC research and development program. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 261-269. ISBN: 0662590503.

- Engler, R.; Peddicord, R. K.; Wright, T.; Pierce, R. J.; Imhoff, M.; Takata, Rikuo. Ocean disposal of contaminated dredged material: a case study. Proceedings of the Sixth US/Japan Experts' Meeting on Management of Bottom Sediments Containing Toxic Substances. 1982.
- Environmental Protection Service (Canada). The fate and persistence of stranded crude oil: a nine-year overview from the BIOS Project, Baffin Island, N. W. T., Canada. Environmental Protection Service of Canada; 1992; EPS 3/SP/4. 57 p.
- Environmental Protection Service, Technical Services Branch (Canada). Canadian Sources of Environmental Information 1988. Ottawa, Ontario, Canada: Environmental Protection Service, Technical Services Branch; 1989. 457 p. Note: Divided into two parts: an alphabetic listing of specialists and a computer-generated index to the subject expertise of those listed.
- Environmental Protection Service, Technical Services Branch (Canada). Manual for Spills of Hazardous Materials. Ottawa, Ontario, Canada: Environmental Protection Service, Technical Services Branch, Canada; 1984. 500 p.
- Eppley, Z. A.; Rubega, M. A. Scientific correspondence: indirect effects of an oil spill. *Nature*. August 17, 1989; 340(6234): 513.
- Essink, K. Multifunctional use of the Wadden Sea: aiming for high natural value. Seventh International Wadden Sea Symposium Proceedings; October 1990; Ameland, Netherlands. Netherlands Institute for Sea Research: 35-39.
- Evans, M. L. Project summary: evaluation of thirteen spill response technologies. *Environmental Waste Management*. 1990; 8(7): 6, 8, 10.
- Exxon Valdez Oil Spill Trustee Council. Exxon Valdez oil spill restoration: volume 1, restoration framework; volume 2, 1992 draft work plan. Anchorage, AK: Exxon Valdez Oil Spill Trustee Council; April 1992. 2 vols.

- Exxon Valdez Oil Spill Trustee Council. Response to public comment on the 1991 state/federal natural resource damage assessment and restoration plan for the Exxon Valdez oil spill. [Anchorage, AK: Exxon Valdez Oil Spill Trustee Council; 1992?]. 131 p.
- Fairweather, P. G. Inadequate reporting of results of oil spill studies. *Search*. May 1994; 25(4): 128.
- Fang, C. S. Petroleum drilling and production operations in the Gulf of Mexico. *Estuaries*. March 1990; 13(1): 89-97.
- Farrow, R. S. Managing the Outer Continental Shelf Lands. Bristol, PA: Taylor and Francis; 1990. ISBN: 0844816582.
- Fawn, D.; Barker, D. *The MEGA Borg Incident*. Austin, TX: Texas Water Commission; 1991.
- Fayad, N. M.; Edora, R. L.; El-Mubarak, A. H.; Polancos, Jr., A. B. Effectiveness of a bioremediation product in degrading the oil spilled in the 1991 Arabian Gulf War. Bulletin of Environmental Contamination and Toxicology. 1992; 49(6): 787-796.
- Fingas, M.; Laroche, N.; Sergy, G.; Mansfield, B.; Cloutier, G.; Mazerolle, P. A new chemical spill priority list. *Eighth Technical Seminar on Chemical Spills; June 10-11, 1991; Vancouver, British Columbia, Canada*. Ottawa, Ontario, Canada: Emergency Science Division, Environment Canada; 1991: 233-332.
- Fingas, M.; (Ed.) Arctic and Marine Oil Spill
 Technology: Proceedings of the Eleventh
 Arctic and Marine Oil Spill Program Technical
 Seminar; June 7-9, 1988; Vancouver, BC.
 Lancaster, PA: Technomic Publishing; 1989.
 545 p.
- Fishman, J.; Fakhruzzaman, K.; Cros, B.; Nganga, D. Identification of widespread pollution in the Southern Hemisphere deduced from satellite analyses. *Science*. 1991; 252(5013).
- Flood, P. G. Management of oil drilling in Australian waters. *Marine Pollution Bulletin*. 1992; 25(5-8): 143-146.
- Foderaro, L. W. Barge spills kerosene in the Hudson. New York Times. New York, NY; October 28, 1990: 34.

- Fontes-Lima, F. J.; Neves, N. M. S. Oceanic disposal of the treated wastewater from the Camacari petrochemical complex: environmental and technical considerations. *Water Science Technology*. 1992; 25(9): 73-84. Special issue: IAWPRC Specialized Conference: Marine Disposal Systems; November 20-22, 1991; Lisbon (Portugal).
- Foster, M. S.; Tarpley, J. A.; Dearn, S. L. To clean or not to clean: the rationale, methods and consequences of removing oil from temperate shores. *Northwest Environmental Journal*. 1990; 6(1): 105-120.
- Fowler, S. W. Pollution in the [Arabian/Persian] Gulf: monitoring the marine environment. *IAEA Bulletin.* 1993; 35(2): 9-13.
- Fox, C. Zero hour looms for Norway's oily cuttings. *Offshore Engineering*. 1990; 25.
- Foy, G. Oil and gas activity and Louisiana wetland loss. *Journal of Environmental Management*. 1990; 31(3): 289-297.
- Francis, R. D.; Javanfar, A.; Brenner, J. P. Rapid disappearance of oil from a moderate-sized spill: cleanup effort coupled with natural degradation processes. *Marine Technology Society Journal*. September 1992; 26(3): 26-33.
- Freedman, B. Environmental Ecology: The Impacts of Pollution and Other Stresses on Ecosystem Structure and Function. San Diego: Academic Press; 1989. 340 p.
- Freeman, K. Oil spills: what's your responsibility? *National Fisherman*. November 1993; 74(7): 32-33.
- Frink, L. Anatomy of an oil spill response. *Wildlife Rehabilitation Today*. 1993; 5(2): 27-31.
- Fullilove, J.; (Ed.) Capitol Hill update: oil spill tickets. *National Fisherman*. July 1994; 75(3): 7.
- Furnes, G. K.; Frydenbo, F. T. Environmental research as it relates to offshore oil exploration and production. *Marine Technology Society Journal*. June 1993; 27(2): 91-93.

- Futsaeter, G. Oil pollution in the Arctic marine environment. Proceedings: Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia. Oslo, Norway: Norwegian State Pollution Control Authority; 1991: 307-324.
- Garrigues, P.; Narbonne, J. F.; Lafaurie, M.; Ribera, D.; Lemaire, P.; Raoux, C.; Michel, X.; Salaun, J. P.; Monod, J. L.; Romeo, M. Banking of environmental samples for short-term biochemical and chemical monitoring of organic contamination in coastal marine environments: the GICBEM experience (1986-1990). Science of the Total Environment. November 1, 1993; 140: 225-236.
- Gartner, C. The Exxon *Valdez* oil spill: a case study in institutional apologia [dissertation]. Fullerton, CA: California State University, Fullerton; 1990.
- Gay, J. Exxon goes to trial on damages. *National Fisherman*. July 1994; 75(3): 9-10.
- Geistauts, G. A. Strategic management of oil spills. *OPEC Review*. 1992; 16(4, Suppl.): 243-261.
- Genjatulin, K. V. Controlling chemical and biological water pollution by quantitative bioassaying. *Water Research*. 1990; 24(5): 539-549
- Geraci, J. R.; St. Aubin, D. J. Offshore petroleum resource development and marine mammals: a review and research recommendations. *Marine Fisheries Review*. 1980; 42(11).
- Gerges, M. A. On the impacts of the 1991 Gulf War on the environment of the region: general observations. *Marine Pollution Bulletin*. 1993; 27: 305-314.
- Gerits, R. T. F. Environmental impacts of natural gas offshore drilling in the Ijsselmeer, Netherlands [Milieu-effecten van gasboringen in het Ijsselmeer]. 1990.
- Gerlach, S. A. [Changes of the pollutant situation of the Baltic]; 34. Fima Schriftenr. 21.
- Germani, C. Oil spill new threat to species. *Christian Science Monitor*. 1990; 82(143): 8.
- Geyer, R. A.; (Ed.) Marine Environmental Pollution:

 Dumping and Mining. The Netherlands:

 Elsevier; 1981; 2. 574 p. (Elsevier

 Oceanography Series; v. 27B).

- Gilbert, J. The fate of environmental contaminants in the food chain. *Science of the Total Environment*. March 31, 1994; 143(1): 103-111.
- Gist, G. L. New Dead Sea. *Journal of Environmental Health*. 1991; Spring: 20-22.
- Glazer, Marci. Tankers, tugboats, and oil spills.

 Marine Conservation News. December 1993;
 5(4): 5.
- Golik, A.; Adrian, P.; et al.; (Eds.) Decrease in the quantity of beach-stranded tar in Israel. Fourth International Congress on Environmental Pollution and its Impact on Life in the Mediterranean Region, 1987. 1989.
- Gomez, E. D. Overview of environmental problems in the east Asian seas region. *Ambio*. 1988; 17(3). Special issue: East Asian Seas.
- Gorman, M. Environmental Hazards: Marine Pollution. Santa Barbara, CA: ABC-CLIO; [1990?]. ISBN: 0874366410.
- Gough, L. P.; et al.; (Eds.) Understanding our fragile environment: lessons from geochemical studies.
 [Denver: US Department of the Interior, US Geological Survey]; 1993. 34 p. US Geological Survey Circular; 1105.
- Grahl-Nielsen, O.; Lygre, T. Identification of samples of oil related to two spills. *Marine Pollution Bulletin*. April 1990; 21(4): 176-182.
- Gray, D. Combating oil pollution of the sea. *Search*. December 1991; 22(8): 285-286.
- Gray, J. S. Do bioassays adequately predict ecological effects of pollutants? *Developments* in Hydrobiology: Environmental Bioassay Techniques and Their Application; First International Conference; July 11-14, 1988; Lancaster, England. 1989; 54: 397-402.
- Gray, J. S.; Calamari, D.; Duce, R.; Portmann, J. E.; Wells, P. G.; Windom, H. L. Scientifically based strategies for marine environmental protection and management. *Marine Pollution Bulletin*. September 1991; 22(9): 432-440.
- Griggs, T. Fishermen sought to fight oil spills. *The Courier*. Houma, LA; November 21, 1993; B: 2.

- Gronlund, W. D.; Stein, J. E.; Chan, Sin-Lam; Brown, D. W.; McCain, B. B.; Landahl, J. T.; Clark, Jr., R. C.; Krahn, M. M.; Myers, M. S.; Varanasi, U. Multidisciplinary assessment of pollution at three sites in Long Island Sound. *Estuaries*. 1991; 14(3): 299-305.
- Gundlach, E. R.; Kuiper, J.; van den Brink, W. J.; (Eds.) The Alvenus oil spill along the Texas coastline. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 335.
- Gunster, D. G.; Bonnevie, N. L.; Gillis, C. A.; Wenning, R. J. Newark Bay, New Jersey from petroleum and hazardous chemical accidents occurring from 1986 to 1991. *Ecotoxicology and Environmental Safety*. 1993; 25(2): 202-213.
- Gunster, D. G.; Gillis, C. A.; Bonnevie, N. L.; Abel, T. B.; Wenning, R. J. Petroleum and hazardous chemical spills in Newark Bay, New Jersey, USA from 1982 to 1991. *Environmental Pollution*. 1993; 82(3): 245-253.
- Gupta, R. S. Gulf oil spill and India. *Marine*Pollution Bulletin. September 1991; 22(9): 423-424.
- Gupta, R. S.; Fondekar, S. P.; Alagarsamy, R. State of oil pollution in the northern Arabian Sea after the 1991 Gulf War oil spill. *Marine Pollution Bulletin*. 1993; 27: 85-91.
- Hackl, A. E. Environmental protection: techniques. *Science of the Total Environment*. March 31, 1994; 143(1): 131-139.
- Hamer, M. Laboratory sets sail to measure pollution. New Scientist. December 7, 1991; 132(1798): 28
- Hamm, L. A. Barge oil spill fouls beaches in Puerto Rico. *The Times-Picayune*. New Orleans, LA; January 8, 1994; A: 16.
- Hannon, L. J.; Lear, E. M. Oil-spill risk analysis: central and western Gulf of Mexico (proposed lease Sales 123 and 125) outer continental shelf: final report. Herndon, VA: US
 Department of the Interior, Minerals
 Management Service, Atlantic OCS Region; June 1990.

- Harper, Jr., D. E. Report to Offshore Operators
 Committee: a review and synthesis of
 unpublished and obscure published literature
 concerning produced water fate and effects.
 Galveston, TX: Texas A & M Laboratory;
 1986.
- Harper, J. R.; Dickins, D. F.; Howes, D.; Sergy, G. Recent shoreline mapping projects in British Columbia and significance to oil spill countermeasure planning. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 293-300. ISBN: 0662590503.
- Haugen, H. A. Technical challenges facing the offshore field operator and solutions for cleaner seas. Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Hess, K. Environmental Site Assessment, Phase I: A Basic Guide. Boca Raton, FL: Lewis Publishers; 1993. 304 p. ISBN: 0873717988.
- Highfield, R. Spilt oil gathers beneath the waves. Daily Telegraph. January 25, 1993: 14.
- Hill, R. W. F. The Shetland oil spill. *Marine Pollution Bulletin*. March 1993; 26(3): 115-116.
- Hirvi, J. P. Oil pollution problem in the Baltic marine environment. *Proceedings of the Twelfth Arctic and Marine Oil Spill Program Technical Seminar*. Environment Canada, Ottawa, Ontario, Canada; 1989.
- Hobbs, P. V.; (Ed.) Studies of smoke from the 1991 Kuwait oil fires. *Journal of Geophysical Research*. 1992; 97(D13): 14,481-14,581.
- Hodgson, B. Alaska's big spill: can the wilderness heal? *National Geographic*. 1990; 177: 5-43.
- Hogan, D.; Retallack, J. Case history: toxicity alarm. Canadian Technical Report Fisheries and Aquatic Sciences. 1993; 1942: 134-142. Special issue: Proceedings of the Nineteenth Annual Aquatic Toxicity Workshop; October 4-7, 1992; Edmonton, Alberta, Canada; Baddaloo, E. G.; Ramamoorty, S.; Moore, J. W.; (Eds.)
- Holder, L. A.; MacDonald, W. G. A strategy for preventing increases in marine pollution. *Seaways*. 1990; 16-17.

- Holloway, M.; Horgan, J. Soiled shores. *Scientific American*. 1991; 265(4): 102-116.
- Hope, M. L. Archaeology on the federal outer continental shelf. Coastal Zone '89:

 Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989;

 Anchorage, AK. New York: American Society of Chemical Engineers; 1989; 4: 3,526-3,530.
- Hopley, D.; Yellowless, D.; Cuff, C. Reef pollution in the 1980s. *Search*. June 1991; 22(4): 121.
- Horn, M. K. Resources: oil and gas. *Geotimes*. February 1994; 39(2): 21.
- Horsfall, M.; Ogban, F. E.; Spiff, A. I. Petroleum hydrocarbon pollution: the distribution in sediment and water of the New Calabar River, Port Harcourt, Nigeria. *Science of the Total Environment*. January 25, 1994; 141: 217-221.
- Hover, G. L. Evaluating technologies of oil spill surveillance. *Sea Technology*. 1993; 34(7): 45-53.
- Howard, S. Oil pollution: some facts. *National Devon.* 1991; 12: 32-36.
- Hoyle, R. An information revolution: success in pollution prevention. *Bio-Technology*. December 1991; 9(12): 1316.
- Hunsaker, C. T. New concepts in environmental monitoring: the question of indicators. *Science of the Total Environment*. 1993; Suppl.(pt. 1): 511-524.
- Hyland, J., (Guest ed.). *Marine Environmental Research*. 1994; 37(2): 93-231. Special issue:
 Fate and Effects of Discharges from Oil
 Drilling Platforms off Point Conception,
 California.
- Hyland, J.; Hardin, D.; Crecelius, E.; Drake, D.; Montagna, P.; Steinhauer, M. Monitoring long-term effects of offshore oil and gas development along the southern California outer continental shelf and slope: background environmental conditions in the Santa Maria Basin. *Oil and Chemical Pollution*. 1990; 6(3): 195-240.
- Hyland, J.; Hardin, D.; Steinhauer, M.; Coats, D.; Green, R.; Neff, J. Environmental impact of offshore oil development on the outer continental shelf and slope off Point Arguello, California. *Marine Environmental Research*. 1994; 37(2): 195-229.

- IUCN Environmental Impact Assessment Services.

 Oil Exploration in the Tropics: Guidelines for
 Environmental Protection. Island Press; 1991.
 ISBN: 2831700183.
- Jackson, J. B. C. Ecological effects of a major oil spill on Panamanian coastal marine communities. *Science*, 1989; 243(4887): 37-44.
- Jacobs, R. P.; Marquenie, J. M. Produced water discharges from gas/condensate platforms: environmental considerations. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991.
- Jacobs, R. P. W. M.; (Ed.) Environmental impact assessment procedure for oil pollution in the Dutch Wadden Sea: the F3 pipeline example. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 319-330.
- Jacques, T. G. The Herald of Free Enterprise accident: the environmental perspective. Oil and Chemical Pollution. 1990; 6(1): 55.
- Jankauskas, V.; Miskinis, V.; Fenger, J.; Halsnaes, K.; Larsen, H.; Schroll, H.; Vidal, V. The environmental impact of energy systems in Lithuania environment, energy and natural resource management in the Baltic Region, NORD. Third International Conference on System Analysis; May 7-10, 1991; Copenhagen, Denmark. Nordisk Ministerraad; 1991; 48: 4.37-4.46.
- Jason, N. H. Alaska Arctic Offshore Oil Spill
 Response Technology Workshop Proceedings
 (final report); November 29-December 1, 1988;
 Anchorage, AK. Gaithersburg, MD: National
 Institute of Standards and Technology; April
 1989; NIST/SP-762. 211 p.
- Jayko, L.; Reed, M.; Bowles, A. Simulation of interactions between migrating whales and potential oil spills. *Environmental Pollution*. 1990; 63(2): 97-127.

- Jeffress, G. A.; Masters, E. G.; Michaud, P. R. The Texas Coastal Ocean Observation Network and oil platforms in the Gulf of Mexico. *Marine Technology Society Journal*. June 1993; 27(2): 51-55.
- Jenkins, R. H. Formation of emulsions at marine oil spills and the implications for response strategies. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Jessup, D. H. *Guide to State Environmental Programs*. Washington, DC: Bureau of National Affairs; 1988. 592 p. ISBN: 0871795833.
- John, V. C.; Kruss, P. K.; Fadlallah, Y. H. Oceanographic monitoring program of the western Arabian Gulf. *Marine Technology Society Journal*. 1991; 25(2).
- Johnson, D. S. Use and abandonment of surface impoundments for the disposal of oilfield produced waters. *AAPG Bulletin*. May 1990; 74
- Johnson, P. A.; Westermeyer, W. E.; Mielke, J. E.
 Coping with an oiled sea. Washington, DC: US
 Office of Technology Assessment; OTA-BP-0-63. 70 p. Note: GPO #052-003-01l83-2.
- Johnson, W. R.; Lear, E. M. Oil-spill risk analysis: central and western Gulf of Mexico outer continental shelf, lease Sales 139 and 141, final report. Herndon, VA: US Department of the Interior, Minerals Management Service, Atlantic OCS Region; February 1992; MMS 92-0005, 353 p.
- Johnson, W. R.; Paluszkiewicz, T. Risk assessment initiatives in the U. S. Beaufort Sea.

 Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 197-210. ISBN: 0662590503.

- Johnston, R. K.; Munns, W. R.; Mueller, C.; Nelson, W. G.; Pesch, G. G. Marine ecological-risk assessment pilot study for Allen Harbor, Narragansett Bay, Rhode Island. San Diego, CA: Naval Ocean Systems Center; January 1992; AD-A-244914/8/XAb. [Naval Ocean Systems Center] Professional Paper.
- Jones, A. M. The environmental impact of North Sea oil. *Science Progress*. 1989; 73(292): 457-468.
- Jones, H. Protecting WA's [western Australia's] marine environment from oil spills. FINS. 1987; 20(6).
- Jones, M. A. J.; Bacon, P. R. Beach tar contamination in Jamaica. *Marine Pollution Bulletin*. July 1990; 21(7): 331-334.
- Jordan, R. E.; Payne, J. R. Fate and Weathering of Petroleum Spills in the Marine Environment.
 Lancaster, PA: Technomic Publishing; 1980.
 185 p.
- Jorgenson, M. T.; Cater, T. C.; Joyce, M. R.; Ronzio, S. Cleanup and bioremediation of a crude-oil spill at Prudhoe Bay, Alaska. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 715-722. ISBN: 0662590503.
- Josenhaus, H. W.; Barrie, J. V.; Piper, D. J. W.; (Eds.) Submersible observations on the Labrador Shelf, Hudson Strait and Baffin Shelf: submersible observations off the east coast of Canada. Ottawa, Ontario, Canada: Geological Survey of Canada; Department of Energy, Mines and Resources; 1989.
- Juday, G. P.; Foster, N. R. A preliminary look at effects of the Exxon *Valdez* oil spill on Green Island research natural area. *Agroborealis*. 1990; 22(1): 10-17.
- Kasperson, R. E.; Golding, D.; Tuler, S. Toward a Conceptual Framework for Guiding Future OCS Research: Workshop Report; January 10, 1989; Port Ludlow, Washington. Seattle, WA: Washington Sea Grant; 1989. 38 p.

- Kato, S.; Adams, N. J. Quantitative assessment of blowout data as it relates to pollution potential. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production.
 Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Katsumi, N. The marine transport of oil and other noxious substances in Canadian Coast Guard central region, 1987-1989. Proceedings:
 Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia, Canada. Oslo, Norway: Norwegian State Pollution Control Authority; 1991.
- Ke, D. Offshore oil pollution and control off coast of Guangdong Province. *Marine Science Bulletin Haiyang Tongbao*. 1992; 11(1): 65-70.
- Keller, B. D.; Jackson, J. B. C.; (Eds.) Long-term assessment of the oil spill at Bahia las Minas, Panama, interim report, volume I: executive summary. New Orleans, LA: US Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region; October 1991; 14-12-0001-30393. 48 p. OCS Study MMS 90-0030.
- Kennicutt II, M. C. Oil spillage in Antarctica. *Environmental Science and Technology*. May 1990; 24(5): 620-624.
- Kennicutt II, M. C.; Brooks, J. M.; Atlas, E. L.; Giam, C. S. Organic compounds of environmental concern in the Gulf of Mexico: a review. *Aquatic Toxicology*. 1988; 11(Special issue no. 1/2): 191-212.
- Kennicutt II, M. C.; Champ, M. A. Environmental awareness in Antarctica: history, problems, and future solutions. *Marine Pollution Bulletin*. 1992; 25(9-12): 219-336.
- Kennicutt II, M. C.; MacDonald, I. R.; Rogne, T.; Giammona, C.; Englehardt, R. The *Tenyo Maru* oil spill: a multi-spectral scanning and sea-truth experiment. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 349-356. ISBN: 0662590503.

- Kennicutt II, M. C.; Sweet, S. T.; Fraser, W. R.; Stockton, W. L.; Culver, M. Grounding of the *Bahia Paraiso* at Arthur Harbor, Antarctica .1. distribution and fate of oil spill related hydrocarbons. *Environmental Science and Technology*. March 1991; 25(3): 509-518.
- Kennish, M. J. Ecology of Estuaries: Anthropogenic Effects. Boca Raton, FL: Lewis Publishers; 1991. ISBN: 0849380413.
- Keough, M. J.; Quinn, G. P. Causality and the choice of measurements for detecting human impacts in marine environments. *Australian Journal of Marine and Freshwater Research*. 1991; 42(5): 539-554.
- Khan, N. A. Impacts of the giant intentional oil spill on Jubail, Saudi Arabia. *Environmental Conservation*. September 1992; 19(3): 259-261.
- Kim, B. J.; Gee, C. S. Hazardous waste treatment technologies. *Water Environment Research*. June 1992; 64(4): 469-479.
- Kingston, P. F. Impact of offshore oil production installations on the benthos of the North Sea. *ICES Journal of Marine Science*. February 1992; 49(1): 45-53.
- Kingston, P. F. The North Sea oil and gas industry and the environment. *Oil Gas: European Magazine*. December 1991; 17(4): 6-10. Special issue: North Sea Oil and Gas Conference.
- Kira, S.; Itoh, T.; Hayatsu, H.; Taketa, K.; Zheng, Y.; Li, R.; Holliday, T. L.; Giam, C. S.
 Detection of waterborne mutagens and characterization of chemicals in selected
 Galveston sites after an oil spill. Bulletin of Environmental Contamination and Toxicology.
 August 1994; 53(2): 285-291.
- Knecht, A. T. The impact of produced water discharges from oil and gas operations on the estuarine environment in Louisiana, a literature review: final report to State of Louisiana, Department of Environmental Quality. New Orleans, LA: Department of Biological Sciences, University of New Orleans; 1988. 84 p.
- Knight, S. New Zealand and oil. *Marine Pollution Bulletin*. April 1993; 26(4): 173-174.

- Knott, D. News: tanker industry progressing in cleaning up operations. *Oil and Gas Journal*. October 1, 1993; 91(42): 21-25.
- Kochany, J.; Maguire, R. J. Abiotic transformations of polynuclear aromatic hydrocarbons and polynuclear aromatic nitrogen heterocycles in aquatic environments. *Science of the Total Environment*. April 2, 1994; 144: 17-31.
- Koh, H. L.; Lim, P. E.; Midun, Z. Management and control of pollution in inner Johore Strait. Environmental Monitoring and Assessment. October 1991; 19(1-3): 349-359.
- Konar S.; Mullick, S. Problems of safe disposal of petroleum products, detergents, heavy metals and pesticides to protect aquatic life. Science of the Total Environment. 1993; 1993(2): 989-1.000.
- Koons, C. B.; Jahns, H. O. The fate of oil from the Exxon *Valdez*: a perspective. *Marine Technology Society Journal*. September 1992; 26(3): 61-69.
- Kostecki, P. T. Hydrocarbon Contaminated Soils and Groundwater. Lewis Publishers; 1993. 657 p. ISBN: 0873719336.
- Kostilainen, V. Environmental Problems in Ice-Covered Waters: Proceedings of the 22nd Annual Offshore Technology Conference and Exhibition (OTC '90). 1990; 4.
- Kowalski, D. Oil spill drill on Puget Sound. National Fisherman. March 1994; 74(11): 8.
- Kristensen, I.; Lemarchand, F. Installation of pipeline in Arctic environment: an essential part of the northern Norwegian LNG chain. Proceedings of the Eighth International Conference on Offshore Mechanics and Arctic Engineering, 1989; March 19-23, 1989; Statoil, Norway. New York: American Society of Mechanical Engineers; 1989; 5: 415-431.
- Kruize, R. R. Water pollution control in Amsterdam: its effect on North Sea environment and the role of harbour reception facilities. *Water Science and Technology*. 1991; 24(10): 155-160.
- Krupp, F.; Jones, D. A. The creation of a marine sanctuary after the 1991 Gulf War oil spill. *Marine Pollution Bulletin*. 1993; 27: 315-323.

- Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems:
 Proceedings of the Conference on Oil
 Pollution; February 23-27, 1987; Amsterdam,
 The Netherlands. Dordrecht, The Netherlands:
 Martinus Nijhoff; 1987.
- Kurz, G. E. Pollution risk from marine casualties. *Sea Technology*. 1993; 34(4): 21-25.
- Kvenvolden, K. A.; Carlson, P. R.; Threlkeld, C. N.; Warden, Augusta. Possible connection between two Alaskan catastrophes occurring 25 y[ea]r[s] apart (1964 and 1989). *Geology*. September 1993; 21(9): 813-816.
- Kweyuh, P. Shipping measures cut oil pollution but fears grow over African coasts. *Discovery and Innovation*. December 1993; 5(4): 291-292.
- La Franchi, H. Slow response to Moroccan oil spill decried. *Christian Science Monitor*. Boston, MA; January 5, 1990: 3. 82(28).
- Labelle, R. P. Risk assessment of offshore oil spills.

 Proceedings of the Thirteenth Environ[ment]

 Can[ada] Arctic and Marine Oil Spill Program

 Tech[nical] Seminar; June 6-8, 1990;

 Edmonton, Alberta, Canada. 1990.
- Lacey, P.; Edwards, R. ARCO tanker slamming study. *Marine Technology*. 1993; 30(3): 135-147. Special issue: West Tanker Conference; October 1991; La Jolla, CA.
- LaGrega, M. D.; et al. Hazardous Waste Management. Highstown, NJ: McGraw-Hill; 1994. xxxii, 1146 p.
- Laing, S.; Dee, C. N.; Best, P. W. The Otway Basin. *APEA Journal*. 1989; 29(1).
- Langford, R. W.; Reid, S.; Harding, L. Marine environmental quality in Canada: status and issues, the Pacific coast of Canada.

 International Institute for Transportation and Ocean Policy Studies Canadian Conference on Marine Environmental Quality; February 29-March 3, 1988; Halifax, Nova Scotia, Canada. 209-229.
- Larminie, F. G. The history and future of North Sea oil and gas: an environmental perspective.

 Philosophical Transactions Royal Society of London, B. 1987; 316(1181).

- Lasday, A. H.; Gould J. R. Marine oil spill response: the US petroleum industry's program. Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Laws, E. A. Aquatic Pollution: An Introductory Text. New York: Wiley; 1993. 611 p. ISBN: 0471588830.
- Le Provost, I. Marine environmental management of three offshore oilfields in tropical waters of northwest Australia. *APEA Journal*. 1991; 31(1): 423-430.
- Le Provost, M. I.; Gordon, D. M. Oilfield development and protection of natural resources within the tropical marine environment of the Rowley Shelf, northwest Australia. *Proceedings of the SPE Asia Pacific Conference*. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 527-540.
- Ledet, S.; Marsh, P.; Mullin, B. Investigation of October 13, 1991 Elf Exploration, Inc., oil spill Lease OCS-G 9637, south Timbalier Block 38. New Orleans, LA: US Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office; November 1992. 18 leaves. OCS Report MMS 92-0067.
- Lee, S. D.; Grant, L.; (Eds.) Health and Ecological Assessment of Polynuclear Aromatic Hydrocarbons. Park Forest South, IL: Pathotox; 1981. 378 p.
- Leech, M. V.; Walker, M. I. Predicting the fate of oil spilt at sea. *Underwater Technology*. 1992; 18(3): 22-28.
- Leimer, C. Bay of uncertainty. *Texas Parks and Wildlife*. November 1993; 51(11): 4-13.
- Lettner, H. Offshore drilling in the Federal Republic of Germany: the Schwedeneck-See and Mittelplate projects [Oelforderung vor deutschen Kuesten: die Projekte Schwedeneck-See und Mittelplate. ET [Energiewirtschaftliche Tagesfragen]. January 1990; 40(1/2).
- Levy, E. M. Persistent marine debris: petroleum residues and plastics in the world's oceans. *Science of Global Change*. 1992; 483: 224-239.
- Lipiatou, E.; Saliot, A. Hydrocarbon contamination of the Rhone Delta and western Mediterranean. *Marine Pollution Bulletin*. June 1991; 22(6).

- Literathy, P. Considerations for the consequences of the 1991 Gulf War. *Marine Pollution Bulletin*. 1993; 27: 349-356.
- Little, D. I.; Owens, E. H.; Buist, I. A.; Marty, R. Peat shorelines protection, cleanup and disposal guidelines. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 801-818. ISBN: 0662590503.
- Liu, P.; Yu, Y.; Liu, C. Studies on the situation of pollution and countermeasures of control of the oceanic environment in Zhoushan fishing ground: the largest fishing ground in China. *Marine Pollution Bulletin*. 1991; 23: 281-288. Special issue: Proceedings of International Conference on Environmental Management and Appropriate Use of Enclosed Coastal Seas '90 (EMECS '90); August 3-6, 1990; Kobe, Hyogo Prefecture, Japan.
- Loff, E. R. Upper Sacramento River toxic spill. California Fish and Game. June 1991; 77(3): 156-157.
- Ludwig, D. F.; Womack, C. J.; Jordan, S. J.; Bell, W. Petroleum in coastal environments: what do we know? Maryland University Sea Grant Program; 1985; TR 85-07754. Note: Summary only; from: *The Fate and Effects of Pollutants: A Symposium*.
- Lutz, C.; McFarland, V. A. The Contaminants Bulletin Board System: a database of contaminated sediment information. *Environmental Effects of Dredging*. May 1994; D(94-2): 1-6.
- Lyngbaek, M. E.; Blidegn, L. H. Produced water management. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- McDonnell, J. A. The US Army Corps of Engineers response to the Exxon *Valdez* oil spill. Fort Belvoir, VA: US Army Corps of Engineers; 1992. viii, 148 p.

- McGurrin, J. M.; Fedler, A. J. Tenneco II artificial reef project: an evaluation of Rigs-to-Reefs fisheries development. *Bulletin of Marine Science*, 1989; 44(2): 777-781.
- McIntosh, H. Oil spill dispersants: good or bad for the environment? *Veterinary and Human Toxicology*. June 1989; 31(3): 263.
- Mabile, N. J.; Helinski, R. North Slope mobile technology and its application to spill response. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 497-503. ISBN: 0662590503.
- Machiwa, J. F. Anthropogenic pollution in the Dar es Salaam Harbour area, Tanzania. *Marine Pollution Bulletin*. November 1992; 24(11): 562-567.
- Madan, A. Impact on the marine environment due to drill cuttings and oil spills. *Indian Journal of Environmental Protection*. September 1988; 8(9): 687(3).
- Maki, A. W. The Exxon *Valdez* oil spill: initial environmental impact assessment. *Environmental Science and Technology*. 1991; 25(1): 24-29.
- Maki, A. W. Measured risks: the environmental impacts of the Prudhoe Bay, Alaska, oil field. *Environmental Toxicology and Chemistry*. 1992; 11(12): 1,691-1,707.
- Malachosky, E. Offshore disposal of oil-based drilling fluid waste: an environmentally acceptable solution. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2: 465-473.
- Manny, B. A.; Kenaga, D.; Munawar, M.; Edsall, T.; (Eds.) The Detroit River: effects of contaminants and human activities on aquatic plants and animals and their habitats.

 Symposium on Environmental Assessment and Habitat Evaluation of the Upper Great Lakes Connecting Channels (at) 31: Conference on Great Lakes Research. 1991.

- Manzella, G. M. R.; Elliot, A. J. Eurospill: Mediterranean tidal and residual circulation databases. *Marine Pollution Bulletin*. November 1991; 22(11): 553-558.
- Marshall, B.; (Outdoors ed.) Pipeline mess is out of this world. *The Times-Picayune*. New Orleans, LA; December 17, 1989.
- Martin, B. T. VICC replacement: the question is "when" not "whether". *Petroleum Review*. 1993; 47(555): 161-163.
- Masters, C. D.; Root, D. H.; Attanasi, E. D. Resource constraints in petroleum production potential. *Science*. July 12, 1991; 253(5016): 146-152.
- Mathur, A. Environmental consequences of hydrocarbon production and refining. *Energy [and] Environ[ment] Monitor*. March 1989; 5(1): 47-59.
- Matsen, B. PS: the once and future spill. *Audubon*. July 1994; 96(4): 116.
- Mearns, A. J. Observations of an oil spill bioremediation activity in Galveston Bay, TX. March 1991. 72 p.
- Mearns, A. J. Recovery of shoreline ecosystems following the Exxon *Valdez* oil spill and subsequent treatment. *Pacific Seabird Group Bulletin*. 1993; 20(1): 44. Note: Abstract only.
- Robert J. Meyers and Associates. *Oil Spill Response Guide*. Park Ridge, NJ: Noyes Data Corporation; 1989. 314 p. ISBN: 081551221X.
- Michel, J. Exxon *Valdez* oil spill. *Geotimes*. May 1990; 35(5): 20-22.
- Michel, J. Oiled marshes and tidal flats: what is going to happen? *IMS Newsletter*. 1991; 59/60: 9.
- Mielke, J. E. Oil in the ocean: the short-and longterm impacts of a spill. July 2, 1990. 34 p. (Congressional Research Service, Report for Congress; 90-356 SPR).
- Mikhaltsev, I. E. "Technical oceanology": key to future ocean resource use. *Sea Technology*. 1991; 32(10): 26-31.
- Miller, A. Health of the North Sea. *Environmental Science and Technology*. 1994; 28(6): 257A.

- Miller, D. N. Environmental protection: balancing the risks. *Proceedings of Offshore Europe*, '91; September 3-6, 1991; Aberdeen, UK. Richardson, TX: Society of Petroleum Engineers; 1991: 135-138.
- Miller, R. E. Georges Bank monitoring program: a summary. Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 172-176.
- Miller, S.; (Ed.) ES & T currents, science: tropical regions may have a tough time recovering from the effects of a major oil spill. *Environmental Science and Technology*. February 1994; 28(2): 58A-59A.
- Milne, R. *Braer* spill exposes huge holes in emergency plans. *New Scientist*. July 3, 1993; 139(1880): 7.
- Milne, R. Britain in row with neighbors over North Sea dumping. *New Scientist*. January 27, 1990; 125(1701): 28.
- Mitchell, R. B. Intentional oil pollution of the oceans. *Environment*. May 1992; 34(4): 29.
- Moldan, A.; Dehrman, A. Trends in oil spill incidents in South African coastal waters. *Marine Pollution Bulletin*. November 1989; 20(11): 565.
- Molden, A. Collision results in fuel oil spill in South African waters. *Marine Pollution Bulletin*. June 1992; 24(6): 281.
- Monk, D. C.; Cormack, D. The management of acute risks: oil spill contingency planning and response. *In: North Sea Oil and the Environment*. Elsevier Applied Science; 1992: 619-642.
- Moody-Stuart, M. Environmental action: a shared responsibility. *JPT: Journal of Petroleum Technology*. April 1994; 46(4): 296-298.
- Morgan, J. H. Horizontal drilling applications of petroleum technologies for environmental purposes. *Ground Water Monitoring Review*. June 1992; 12(3): 98-102.
- Muir, D. C. G.; Wagemann, R.; Hargrave, B. T.; Thomas, D. J.; Peakall, D. B.; Norstrom, R. J. Arctic marine ecosystem contamination. Science of the Total Environment. 1992; 122(1-2): 75-130.

- Mullins, L. Oil pollution: the problem. Third Annual International Conference: Lake, River and Coastal Pollution, Can it be Contained? 57-60.
- Mundell, I. Shetland oil spill did little harm. *New Scientist*. June 26, 1993; 138(1879): 8.
- Murday, M.; Gundlach, E. R. Oil spill contingency plan for Mauritius. *UNEP Reg. Seas Rep. Stud.* 1990; 125.
- NERAC, Inc. Oil spill handling: foreign patent technology. Tolland, CT: NERAC, Inc.; 1993. Note: Citations from the Energy Data Base.
- National Research Council. *Purposeful Jettison of Petroleum Cargo*. National Academy Press; 1994. 199 p. ISBN: 0309050812.
- National Research Council, Committee on the Effectiveness of Oil Spill Dispersants. *Using Oil Spill Dispersants on the Sea*. Washington, DC: National Academy Press; 1989. 335 p. ISBN: 0309038820.
- Neff, J. M.; Bothner, M. H.; Maciolek, N. J.; Grassle, J. F. Impacts of exploratory drilling for oil and gas on the benthic environment of Georges Bank. *Marine Environmental Research.* 1989; 27(2): 77.
- Neuman, E.; Olsson, M.; Sandstroem, O.; Bagge, O.; Rechlin, O.; (Eds.) Some aspects of the influence of pollution on the quantity and quality of Baltic fishery resources. *ICES Symposium on Baltic Sea Fishery Resources; February 29-March 3, 1988; Rostock.* 1989.
- Newton, J. Investigating leaking underground storage tanks. *Pollution Engineering*. 1991; 23(7): 80-83.
- Nichols, A. B. Emergency response: Alaskan USA oil spill shocks the nation. *Journal of the Water Pollution Control Federation*. July 1989; 61(7): 1,174-1,185.
- Nichols, A. B. Prince William Sound starts to recover. Wat[er and] Environ[mental] Technol[ogy]. 1990; 2: 48-55.
- Nichols, A. B. Recovery from Ashland oil spill illustrates nature's resiliency. *Water Environment and Technology*. March 1990; 2(3): 18.

- Norcross, B. L. Responding to an oil spill: reflections of a fisheries scientist. *Fisheries*. 1992; 17(6): 4-5.
- Nordvik, A. B.; Daling, P.; Rainer-Engelhardt, F. R. Problems in the interpretation of spill response technology studies. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada*. Ottawa, Ontario, Canada: Environment Canada; 1992: 211-217. ISBN: 0662590503.
- Norwegian Petroleum Directorate. Oljedirektoratet-Aarsberetning [Norwegian Petroleum Directorate: annual report, 1988]. Oljedirektoratet, Stavanger (Norway); 1989; NEI-NO-105. 137 p. ISBN: 8272572796.
- O'Connor, J. M.; Huggett, R. J. Aquatic pollution problems, North Atlantic coast, including Chesapeake Bay. *Aquatic Toxicology*. 1988; 11(1-2): 163-190.
- Ollis, D. Marine pollution: slick solution for oil spills. *Nature*. August 6, 1992; 358(6386): 453-454.
- Olsson, E.; Lynch, M. Keeping small oil spills from becoming large problems. Seattle, WA: Washington Sea Grant; 1993. 8 p. Publications of the Washington Sea Grant.
- Ong, D. The new Maylasian national oil spill contingency plan. *Marine Pollution Bulletin*. April 1992; 24(4): 180-181.
- Owens, E. Coastal oil spills: myth and reality. *Shore and Beach*. 1991; 60(2): 2-6.
- Owens, E. H. Shoreline conditions following the Exxon Valdez spill as of fall 1990.

 Proceedings: Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar;

 June 12-14, 1991; Vancouver, British Columbia, Canada. 1991: 579-606.
- Oza, G. M. Oil-spill endangers island wildlife. Environmental Conservation. September 1993; 20(3): 276-277.

- Packman, G. A.; Shearer, R. G. Overview of marine environmental quality in the Canadian Arctic. Canadian Conference on Marine Environmental Quality: Proceedings; February 29-March 3, 1988; Halifax, Nova Scotia.
 Halifax, Nova Scotia: The International Institute for Transportation and Ocean Policy Studies; 1988: 229-242.
- Pain, S. This week: 'living coastline' suffers most from oil spills. *New Scientist*. January 8, 1994; 141(1907): 4.
- Pain, S. The two faces of the Exxon disaster. *New Scientist*. 1993; 138(1874): 11-13.
- Pain, S. Valdez spill wasn't so bad, claims Exxon. New Scientist. May 8, 1993; 138(1872): 4.
- Pakenham, B. B.; (Ed.) Sea, Nautical Charting Division: NCD's hydrographic surveys used for oil spill prevention. *C and GS Update* (Coast and Geodetic Survey). December 1993; 6(1): 3.
- Palmer, C. L. P.; (Ed.) Galveston Bay bibliography, volume 1: index and thesaurus; volumes 2-4: citations. Coleman, M. G.; Dunnell, G. E.; Melvin, S. L.; Webb, J. W.; Weng, H.; Wiest, N. H., Compilers. Galveston, TX: Galveston Bay National Estuary Program; 1993; GBNEP-26. 2,398 p. (Publications of the Galveston Bay National Estuary Program).
- Patterson, K. Will oil drilling compromise sanctuary off Washington's outer coast? *Marine Conservation News*. 1991; 3(3): 6.
- Paulson, R. W.; Chase, E. B.; Williams, J. S.;
 Moody, D. W., Compilers. National water summary, 1990-91: hydrological events and stream water quality. US Department of the Interior, US Geological Survey; 1993; W 2400.
 590 p.
- Payne, F. G.; Westaway, M. T. Sources of petroleum hydrocarbon inputs to the marine environment. Water Science and Technology. 1982; 14(9-11). Special issue: Eleventh Biennial Conference of the International Association of Water Pollution Research and Control.
- Pearce, F. What Turns an Oil Spill into a Disaster. *New Scientist*. January 30, 1993; 137(1858): 11-13.

- Perry, A. H. Book reviews: *Natural Hazards*, by E. A. Bryant. *Nature*. March 12, 1992; 356(6365): 119-120.
- Pfund, R. T.; (Ed.) Oil spills at sea: potential impacts on Hawaii. [Honolulu: University of Hawaii, Sea Grant College Program]; 1993; CR-92-06 HAWAU-B-93-001. 166 p.
- Pham, T.; Lum, K.; Lemieux, C. Sources of PAHs in the St. Lawrence River (Canada) and their relative importance. *Chemosphere*. September 1993; 27(7): 1137-1149.
- Phillips, D. J. H.; (Ed.) Baseline: background pollution characteristics of the N. E. Sakhalin Island shelf. *Marine Pollution Bulletin*. December 1993; 26(12): 704-705.
- Phillips, J. D. Upstream pollution sources and coastal water quality protection in North Carolina. *Coastal Management*. October 1991; 19(4): 439-449.
- Phillips, N. W.; Larson, K. S. Synthesis of available biological, geological, chemical, socioeconomic, and cultural resource information for the south Florida area: executive summary. February 1991; OCS/MMS-91/0016. 49 p.
- Phillips, N. W.; Larson, K. S.; Alevizon, W. S.; Bannerot, S. P.; Bogenrieder, P. Synthesis of available biological, geological, chemical, socioeconomic, and cultural resource information for the south Florida area: final report. May 1990.
- Phillips, N. W.; Larson, K. S.; Alevizon, W. S.; Bannerot, S. P.; Bogenrieder, P. Synthesis of available biological, geological, chemical, socioeconomic, and cultural resource information for the south Florida area: master bibliography. February 1991; OCS/MMS-91/0015, 92 p.
- Phillips, N. W.; James, B. M.; (Eds.) Offshore Texas and Louisiana marine ecosystems data synthesis, volume I: executive summary. 1988; MMS OCS Study.
- Phillips, N. W.; James, B. M.; (Eds.) Offshore Texas and Louisiana marine ecosystems data synthesis, volume II: synthesis report. College Station, TX: Continental Shelf Association; 1988. MMS OCS Study.

- Phillips, N. W.; James, B. M.; (Eds.) Offshore Texas and Louisiana marine ecosystems data synthesis, volume III: annotated bibliography. 1988; MMS OCS Study.
- Phillips, N. W.; Larson, K. S.; (Eds.) Offshore oil and gas operations in south Florida, history, status, and potential environmental effects: synthesis of available biological, geological, chemical, socioeconomic, and cultural resource information for the south Florida area. 1990; MMS OCS Study.
- Phillips, V. D.; Takahashi, P. K.; Veziroglu, T. N. Renewable energy resources: a global imperative. Ninth Miami International Congress on Energy and Environment; December 11-13, 1989; Miami Beach, Florida. Honolulu, HI: Hawaii National Energy Institute, University of Hawaii at Manoa; 1991: 360.
- Picken, G. B. UK fisheries research around offshore oil installations. Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Pidcock, G. A.; Watson, Dave W. A review of Canadian frontier technology advances in the search for oil and gas. *Journal of Canadian Petroleum Technology*. March 1991; 30(2): 79-86
- Pope, D. L.; Moslow, T. F.; Wagner, J. B. Geological and technical assessment of artificial reef sites, Louisiana outer continental shelf. *Ocean and Coastal Management*. 1993; 20(2): 121-145.
- Pope, P. R. Endicott development and environmental monitoring program and industry perspective. US Minerals Management Service Arctic Information Transfer Conference; November 17-20, 1987; Anchorage, Alaska. 203+ p.
- Porte, C. The use of the mussel watch and molecular marker concepts in studies of hydrocarbons in a tropical bay (Todo os Santos, Bahia, Brazil). Archives of Environmental Contamination and Toxicology. 1990; 19(2): 263-274.
- Preen, A. Oil and the Great Barrier Reef. Search. 1991; 22(7): 223-225.
- Preen, T. Damage from Gulf-War oil spill greater than reported. *Search*. May 1994; 25(4): 127.

- Price, A. R. G.; Robinson, J. H.; (Eds.) *Marine Pollution Bulletin*. 1993; 27: 380 p. Special issue: The 1991 Gulf War: Coastal and Marine Environmental Consequences.
- Price, A. R. G.; Sheppard, C. R. C. The [Arabian] Gulf: past, present and possible future states. *Marine Pollution Bulletin*. May 1991; 22(5): 222-227.
- Price, A. R. G.; Wrathall, T. J.; Medley, P. A. H.; Al-Moamen, A. H. Broadscale changes in coastal ecosystems of the western Gulf following the 1991 Gulf War. *Marine Pollution Bulletin*. 1993; 27: 143-147.
- Pritchard, P. H.; Costa, C. F. EPA's Alaska oil spill bioremediation project. *Environmental Science and Technology*. March 1991; 25(3): 372-379.
- Pritchard, P. H.; Costa, C. F.; Suit, L. Alaska Oil Spill Bioremediation Project, Science Advisory Board draft report, sections 1-6. Gulf Breeze, FL: US Environmental Protection Agency, Environmental Research Laboratory; 1991; EPA/600/9-91/046a.
- Pritchard, P. H.; Costa, C. F.; Suit, L. Alaska Oil Spill Bioremediation Project, Science Advisory Board draft report, sections 7-13 and appendices. Gulf Breeze, FL: US Environmental Protection Agency, Environmental Research Laboratory; 1991; EPA/600/9-91/046b.
- Pritchard, P. H.; Mueller, J. G.; Kremer, F. V.; Glaser, J. A. Oil spill bioremediation: experiences, lessons and results from the Exxon *Valdez* oil spill in Alaska. *Biodegradation*. 1992; 3: 315-335.
- Proctor, R.; Elliot, A. J.; Flather, R. A. Forecast and hindcast simulations of the *Braer* oil spill. *Marine Pollution Bulletin*. April 1994; 28(4): 219-229.
- Raaymakers, S. Recent oil spill on the Great Barrier Reef. *Marine Pollution Bulletin*. September 1992; 24(9): 428.
- Rainey, G. The risk of oil spills from the transportation of petroleum in the Gulf of Mexico. Proceedings of the Eleventh Annual Gulf of Mexico Information Transfer Meeting; November 1990. New Orleans, LA: US Department of the Interior, Minerals Management Service; 1990.

- Raloff, J. Burning issues: is torching the most benign way to clear oil spilled at sea? *Science News*. October 2, 1993; 144(14): 220-223.
- Raloff, J. Coast Guard scouts oil trade's 'dogs'. *Science News*. April 1, 1993; 143(16): 253.
- Raloff, J. Cotton, fleece, and beads: sopping up oil with unconventional sponges. *Science News*. May 22, 1993; 143(21): 332--333.
- Raloff, J. Exxon's *Valdez* studies ignite controversy. *Science News*. May 8, 1993; 143(19): 294-295.
- Raloff, J. If smoke's the problem ... Science News. October 2, 1993; 144(14): 223.
- Raloff, J. A (killer) whale of a mystery. *Science News*. February 20, 1993; 143(8): 126.
- Raloff, J. NORM: the new hot wastes. *Science News*. 1991; 140(17): 264-267.
- Raloff, J. An otter tragedy: understanding the sea otter's vulnerability to oil has proved costly to all involved. *Science News*. March 27, 1993; 143(13): 200-202.
- Raloff, J. *Valdez* spill leaves lasting oil impacts. *Science News*. February 13, 1993; 143(7): 102-103.
- Ramakrishnan, V.; Meeter, D. Negative binomial cross-tabulations, with applications to abundance data. *Biometrics*. March 1993; 49(1): 195-207.
- Rao, S. K. A. Collection and compilation of oceanographic and environmental data in connection with exploitation of hydrocarbon resources from coastal zone. All-India Seminar on Management of Coastal Environment; April 10-11, 1993; Visakhapatnam, India.

 Visakhapatnam, India: Institution of Engineers; 1993: 73-78.
- Rao, U. R.; Chandrasekhar, M. G.; Radhakrishnan, K.; Jayaraman, V.; Desai, P. S. Environmental impacts of the Persian Gulf oil spill and oil-fire smoke. *Current Science*. April 25, 1991; 60(8): 486-492.
- Ray, J. P.; Engelhardt, F. R. Produced Water: Technological/Environmental Issues and Solutions. New York: Plenum; 1993; 46. 610 p. (Environmental Science Research). ISBN: 0306443589.

- Reader, C. Offshore Europe '93: the United Kingdom's flagship oil and gas show. *Petroleum Review*. 1993; 47(561): 450-452.
- Readman, J. W.; Fowler, S. W.; Villeneuve, J. P.; Cattini, C.; Oregioni, B.; Mee, L. D. Oil and combustion-product contamination of the Gulf marine environment following the war. *Nature*. August 20, 1992; 358(6388).
- Redman, J. W.; Fowler, S. W.; Villeneuve, J. P.; Cattini, C.; Oregioni, B.; Mee, L. D. Oil and combustion-product contamination of the Gulf marine environment following the war. *Nature*. 1992; 358(6388): 662-666.
- Reed, M.; Anderson, E.; Jayko, K.; Howlett, E.; Isaji, T.; Spaulding, M. ASAP: a state of the art oil spill model for worldwide application. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 143-146. ISBN: 0662590503.
- Reich, R. A.; O'Hagan, K. A. (A discussion of) chemicals and allied products. *Research Journal of the Water Pollution Control Federation*. (June 1991); 63(4): 494-500.
- Reinecke, F. New ship to protect Gulf coast. *The Courier*. Houma, LA; June 1, 1994; A: 3.
- Rice, D. W. Unique problems of hydrocarbon contamination for ports. In: Hydrocarbon Contaminated Soils and Groundwater:

 Analysis, Fate, Environmental and Public Health Effects, and Remediation. Chelsea, MI: Lewis Publishers; 1991; I: 71-75.
- Rintoul, B. Arctic drilling buoys US west coast activity. *Ocean Industry*. 1991; 26(5).
- Rittmann, B.; MacDonald, J. Improving the image of bioremediation. *Water Quality International*. 1993; 4: 27-29.
- Roberts, R. Alaska outer continental shelf Beaufort Sea planning area oil and gas lease Sale 124: final environmental impact statement. Anchorage, AK: US Department of the Interior, Minerals Management Service, Alaska OCS Region; September 1990.

- Robilliard, G. A.; Winfield, T. P.; Lebednik, P. A.; Markarian, R. K. Natural resource damage assessments for oil spills: application to recent oil spills. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 181-194. ISBN: 0662590503.
- Roscigno, P. F.; Kennicutt II, M. C. Marine ecosystems: assessing the impacts of chronic contamination from offshore platforms. *Marine Technology Society Journal*. 1993; 27(2): 66-71.
- Ross, S. L. Selection criteria and laboratory evaluation of oilspill sorbents update, IV. Ottawa: The [Emergencies Engineering] Division, Environment Canada; 1991; EPS 3/SP/3.
- Royer, T. C. Letters: Alaskan oil spill. *Science*. July 21, 1989; 245(4915): 243.
- Russell, M.; Colglazier, E. W.; Tonn, B. E. The United States hazardous waste legacy. *Environment*. July 1992; 34(6): 12.
- SCandA, Inc.; Rogers and Associates Engineering Corp.; Roy F. Weston, Inc. Diffuse NORM wastes: waste characterization and risk assessment. US Environmental Protection Agency, Office of Radiation Programs; 1991.
- Sadler, B. Evaluation of the Beaufort Sea environmental assessment panel review. Hull, PQ, (Canada): Federal Environmental Assessment Review Office; 1990.
- Saenger, P. Cleaning up the Arabian Gulf: aftermath of an oil spill. *Search*. January 1994; 25(1): 19-22.
- Saenger, P. Damage from Gulf War oil spill greater than reported: reply. *Search*. May 1994; 25(4): 127-128.
- Sallenger, Jr., A. Effects of sea level rise on Barrier Islands, with examples from Louisiana. AAPG Bulletin. May 1990; 74(5). Special issue:

 Annual Convention and Exposition of the American Association of Petroleum Geologists.

- Salomons, W.; Bayne, B. L.; Duursma, E. K.; Forstner, U.; (Eds.) *Pollution of the North Sea:* An Assessment. New York: Springer-Verlag; 1988, 698 p.
- Sankovitch, N.; (Principal author.) Safety at Bay: A Review of Oil Spill Prevention and Cleanup in US Waters. New York: Natural Resources Defense Council; [1992].
- Sasanow, S. Subsea developments. *Petroleum Review*. 1990; 44(526): 550-553.
- Sastry, A. G. R. S.; Chandramohan, P. Physicochemical characteristics of Vasishta Godavari Estuary, east coast of India prepollution status. *Indian Journal of Marine Sciences*. 1990; 19(1): 42-46.
- Sato, K. S. On earth structures and groundwater in global environmental problems [Chikyu kankyo mondai ni okeru tsuchikozobutsu to chikasui no ronten]. Soil Mechanics and Foundation Engineering. August 25, 1990; 38(8).
- Saunders, R. Needed: spill protection and funding. *Washington Sanctuaries*. December 1993; 2.
- Schmitt, R. B. Martech USA expects to rake in profit as a result of cleaning up oil spills. *Wall Street Journal*. New York; March 19, 1990; A: 14B. 215(54).
- Schnoor, J. The Alaska oil spill: its effects and lessons. *Environmental Science and Technology*. 1991; 25: 14.
- Schroh, K. Study of the risk for accidents and the related environmental hazards from the transportation of chemicals by tankers in the Baltic Sea area. *Baltic Sea Environmental Proceedings*. 1990; (34).
- Science Applications, Inc. (La Jolla, CA). Intertidal study of the Southern California Bight: 1977/1978, third year. Washington, DC: US Department of the Interior, Bureau of Land Management; May 1989; SAI-78-934-LJ-V2/1-7; BLM/YN/SR-79/02. 400 p. (II, Report 1, sections 1-7).
- Seaman, W.; Lindberg, W. J. Fish habitat provided by obsolete petroleum platforms off southern Florida. *Bulletin of Marine Science*. 1989; 44(2): 1,014-1,022.

- Seltzer, R. Plan to fight major oil spills unveiled. Chemical and Engineering News. October 1, 1990; 68(40): 11.
- Seymour, R. J.; Geyer, R. A. Fates and effects of oil spills. *In*: Hollander, J. M.; *et al.*; (Ed.) *Annual Review of Energy and the Environment*.

 Annual Reviews, Inc.; 1992; 17: 261-283.
- Shaw, D. G. The Exxon *Valdez* oil spill: ecological and social consequences. *Environmental Conservation*. September 1992; 19(3): 253-258.
- Sheifer, I.; (Comp.) NOAA news ... NOAA responds to Puerto Rican oil spill. Estuarine Research Federation Newsletter. March 1994; 20(1): 14.
- Sheppard, C.; Price, A. Will marine life survive the Gulf War? *New Scientist*. 1991; 129(1759): 36-40.
- Shinn, E. A.; Lidz, B. H. Impact of offshore drilling in the eastern Gulf of Mexico. Fourth Annual Offshore Technology Conference; Geology, Earth Sciences and Environment; 1992. 1992; 24(1): 517-524.
- Shinn, E. A.; Lidz, B. H.; Dustan, P. A. Impact assessment of exploratory wells offshore south Florida. New Orleans, LA: US Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Regional Office; January 1990; OCS/MMS 89-0022. 95 p.
- Sienkiewicz, A. M.; O'Shea, K. Response and management strategies utilized during the Kenai pipeline crude oil spill, Nikiski, Alaska. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 239-251. ISBN: 0662590503.
- Sills, G. C.; Wheeler, S. J. The significance of gas for offshore operations. *Continental Shelf Research*. 1992; 12(10): 1,239-1,250.
- Siron, R.; Pelletier, E.; Delille, D.; Roy, S. Fate and effects of dispersed crude oil under icy conditions simulated in mesocosms. *Marine Environmental Research*. 1993; 35(3): 273-302.
- Smith, H.; (Ed.) Managing the marine environment: Shetland and the sea. *Marine Policy*. 1993; 17(5): 332-485.

- Smith, Jr., R. W. 'Gorilla' nets sweep the Gulf of oil-drilling debris. *National Fisherman*. August 1994; 75(4): 37-39.
- Snyder, A. In the court of public opinion, Exxon is not the only one on trial. *Adweek's Marketing Week*. March 5, 1990; 31(10): 2-3.
- Soegiarto, A. The status of marine and coastal pollution in Southeast Asia. *ICLARM Conference Proceedings*, 1989; 19: 71-75.
- Solomon, C. Plan for Texas-size deep-water platform may shield shore from oil-tanker spills. *Wall Street Journal*. 1990; 216(48): 81-82.
- Spaulding, M. Oil spill modeling: in the field and in the laboratory. *Oceanus*. June 1993; 36(2): 72-73
- Spaulding, M. L.; Anderson, E. L.; Isaji, T.; Howlett, E. Simulation of the oil trajectory and fate in the Arabian Gulf from the Mina-Al-Ahmadi spill. *Marine Environmental Research*. 1993; 36(2): 79-115.
- Spaulding, M. L.; Howlett, E.; Anderson, E.; Jayko, K. Oil spill software with a shell approach. *Sea Technology*. 1992; 33(4): 33-40.
- Spearman, M. K.; Zagula, S. J. The development of a waste minimization program at Amoco Oil Company. *Water Science and Technology*. 1992; 25(3): 107-116.
- Spraker, T. R. Hazards of releasing rehabilitated animals with emphasis on sea otters and the T/V Exxon Valdez oil spill. US Fish and Wildlife Service Biological Reports. 1990; 90(12): 385-389.
- Squire, Jr., J. L. Effects of the Santa Barbara, Calif[ornia], oil spill on the apparent abundance of pelagic fishery resources. *Marine Fisheries Review*. 1992; 54(1): 7-14.
- Stebbing, A. R. D. Environmental capacity and the precautionary principle. *Marine Pollution Bulletin*. June 1992; 24(6): 287-295.
- Steiner, R.; Byers, K. Lessons of Exxon *Valdez*. Alaska Sea Grant College Program; 1990.
- Stone, R. Dispute over Exxon *Valdez* cleanup data gets messy. *Science*. May 7, 1993; 260(5109): 749.

- Stone, R. Environmental research: oil-cleanup method questioned. *Science*. July 17, 1992; 257(5068): 320-321.
- Stone, R. Ice inferno: researchers plan oil blaze in Arctic. *Science*. 1991; 253(5025): 1,203-1,204.
- Stull, J. K. Contaminants in sediments near a major marine outfall: history, effects, and future. *Oceans '89: The Global Ocean*. 1989; 2: Ocean Pollution.
- Stumm, W. Water, endangered ecosystem: assessment of chemical pollution. *Journal of Environmental Engineering ASCE*. July 1992; 118(4): 466-476.
- Subrahmanyam, M. N. V. Pollution and water quality in Visakhapatnam Harbour. *Journal of Environmental Biology*. October 1991; 12(4): 363-375.
- Sullivan, A. Exxon picks environmental watchdog, says selection raises priority on safety. *Wall Street Journal*. New York; January 1990 11; B: 12. 215(8).
- Sullivan, A. Oil industry maps strategy to combat spills, leaving Alaska out of the picture. *Wall Street Journal*. September 1990 7; A4. 216(48).
- Sullivan, C. R. In support of offshore oil and gas development. *Fisheries*. January 1991; 16(1): U1.
- Sullivan, M. J. Evaluation of environmental and human risk from crude oil contamination. *Petroleum Technology*. 1943; 1(14-16).
- Sullivan, T. J.; Ellis, J. S.; Foster, C. S.; Foster, K. T.; Baskett, R. L.; Nasstrom, J. S.; Schalk, W. W. Atmospheric release advisory capability: real-time modeling of airborne hazardous materials. *Bulletin of the American Meteorological Society*. December 1993; 74(12): 2343-2361.

- Swain, L. G.; Nijman, R. P.; Chapman, P.; Bishay, F.; Power, E.; Hall, K.; Harding, L.; McLeay, D.; Nassichuk, M.; Knapp, W.; (Eds.) An approach to the development of sediment quality objectives for Burrard Inlet. Seventeenth Annual Aquatic Toxicity Workshop: Threshold Biological Response, Predicting and Determining Ecological Relevance [Comptes Rendus du Dix-Septieme Colloque Annuel sur la Toxicologie Aquatique]; November 5-7, 1990; Vancouver, British Columbia, Canada. Vancouver, British Columbia, Canada: British Columbia Ministry of Environment; 1991; 1-2.
- Swanson, R. L. Lessons learned? *Marine Technology Society Journal*. 1990; 24(4): 50.
- Takamatsu, M. Spilled oil recovery by the vessel of Seiryu Maru in the offing of Tango Peninsula, winter 1990. Seventeenth Meeting of the Marine Facilities Panel of the United States-Japan Cooperative Program in Natural Resources (UJNR); May 1991. Washington, DC: United States-Japan Cooperative Program in Natural Resources: 1991.
- Tanabe, S. Global monitoring of toxic contaminants: editorial. *Marine Pollution Bulletin*. March 1993; 26(3): 114-115.
- Tawfiq, N. I.; Olsen, D. A. Saudi Arabia's response to the 1991 Gulf oil spill. *Marine Pollution Bulletin*. 1993; 27: 333-345.
- Taylor, B. G. S. Offshore oil and gas. *Ocean and Shoreline Management*. 1991; 16(3+4): 259-273. Special issue: North Sea 2000: Environment and Sea Use Planning Conference; London, UK.
- Teal, J. M.; Farrington, J. W.; Burns, K. A.; Stegeman, J. J.; Tripp, B. W.; Woodin, B.; Phinney, C. The West Falmouth oil spill after twenty years: fate of fuel oil compounds and effects on animals. *Marine Pollution Bulletin*. December 1992; 24(12): 607-614.
- Teal, J. M. A local oil spill revisited. *Oceanus*. June 1993; 36(2): 65-73.
- Tennyson, E. Results from selected oil spill response research by the Minerals Management Service. *Marine Technology Society Journal*. 1990; 24(4): 27-32.

- Terry, J. Oil on the rocks: the 1989 Alaskan oil spill. Journal of Biological Education. December 1991; 25(4): 291-294.
- Thomas, D. The *Braer* incident at first hand. *Petroleum Review*. 1993; 47(557): 263-265.
- Thorhaug, A. Oil spills in the tropics and subtropics. *Pollution in Tropical Aquatic Systems*. 1992; 99-127.
- Tkalin, A. A.; Belan, T. A.; Shapovalov, E. N. The state of the marine environment near Vladivostok, Russia. *Marine Pollution Bulletin*. August 1993; 26(8): 418-422.
- Tkalin, A. V. Background pollution characteristics of the NE Sakhalin shelf. *Marine Pollution Bulletin*. December 1993; 26(12): 704-705.
- Tkalin, A. V. Chemical pollution of the northwest Pacific. *Marine Pollution Bulletin*. September 1991; 22(9): 455-457.
- Townsend, R.; Heneman, B. The Exxon *Valdez* oil spill: a management analysis. Washington, DC: Center for Marine Conservation; September 1989. 239 p.
- Treacy, S. D. Minerals Management Service bowhead whale monitoring program and its applications. Oceans '88: Proceedings - A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 180-183.
- Tromp, D. Sea spills, jurisdiction and liability.
 Dolma, A. J.; Ettinger, J. Van. Ports as Nodal
 Points in a Global Transport System,
 Proceedings of Pacem in Maribus XVIII; 1990.
 Pergamon, for International Ocean Institute;
 1992: 271-284.
- Tubb, M. Response to Exxon's \$1 billion spill settlement. *Ocean Industry*. 1991; 26(3): 15.
- Turner, R. E.; Cahoon, D. R. Causes of wetland loss in the coastal central Gulf of Mexico, volume I: executive summary. January 1988; MMS 87-0119. 32 p.
- Turner, R. E.; Lee, J. M.; Neill, C. Backfilling canals as a wetland restoration technique in coastal Louisiana. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; June 1994; OCS Study MMS 94-0026.
 44 p. (University Research Initiative).

- Turrell, W. R. Modelling the *Braer* oil spill: a retrospective view. *Marine Pollution Bulletin*. April 1994; 28(4): 211-218.
- Underwood, A. J. Coastal environments: wither or whither management. *Search*. July 1991; 22(5): 167-169.
- United Nations. Coastal Area Management and Development. New York: Pergamon; 1982. 196 p.
- United Nations Environmental Programme. Report of the nineteenth session, Athens, May 8-12, 1989. *United Nations Environmental Programme: Reports and Studies*. 1989; GESAMP(37): 53 p.
- US Congress, Office of Technology Assessment. Bioremediation for oil spills: background paper. 1990; OTA-BP-O-70. 31 p.
- US Department of Commerce, National
 Oceanographic and Atmospheric
 Administration. Oil Spill Case Histories, US
 and International, 1967-1991. Springfield, VA:
 National Technical Information Service;
 [1993]; PB93-502748/FAA. 1 diskette. Note:
 For Macintosh PCs with 1 MB memory;
 HyperCard 2.1.
- US Department of the Interior, Minerals
 Management Service. Bibliography: scientific
 journal articles based on MMS environmental
 research. US Department of the Interior,
 Minerals Management Service; 1994; OCS
 Report MMS 93-0069.
- US Department of the Interior, Minerals
 Management Service. Federal offshore statistics
 1988. Herndon, VA: US Department of the
 Interior, Minerals Management Service; 1989;
 OCS/MMS 89-0082.
- US Department of the Interior, Minerals
 Management Service. Gulf of Mexico OCS
 Region oil and gas leases and selected
 deepwater development. US Department of the
 Interior, Minerals Management Service; 1993.
 Note: OCS Map MMS 93-0059.
- US Department of the Interior, Minerals
 Management Service. Impacts of oil and gas
 exploration, development, and production on
 the Atlantic continental shelf: final report.
 January 1991; OCS/MMS-90/0080. 694 p.

- US Department of the Interior, Minerals
 Management Service. MMS worldwide tanker
 oil spill database: an overview. US Department
 of the Interior, Minerals Management Service;
 1994; OCS Report MMS 94-0002.
- US Department of the Interior, Minerals
 Management Service. MMS-LUMCON
 Cooperative Program: university research on
 the effects of offshore petroleum development
 in the Gulf of Mexico, quarterly progress
 reports for the period September 1, 1993
 through November 30, 1993. Baton Rouge, LA:
 Louisiana Universities Marine Consortium,
 Office of Special Programs; [1993]. 19 leaves
- US Department of the Interior, Minerals
 Management Service. Offshore scientific and
 technical publications, February-July, Spring
 1989: quarterly report. Herndon, VA: US
 Department of the Interior, Minerals
 Management Service; 1989. 34 p.
- US Department of the Interior, Minerals
 Management Service. Outer continental shelf
 environmental assessment program:
 comprehensive bibliography, June 1990. US
 Department of the Interior, Minerals
 Management Service; 1990; OCS/MMS 900048. (OCS Reports).
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Region.
 Beaufort Sea Planning Area oil and gas lease
 Sale 124: final environmental impact
 statement. Anchorage, AK: US Department of
 the Interior, Minerals Management Service,
 Alaska OCS Region; September 1990.
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Outer Continental Shelf Environmental
 Assessment Program: comprehensive
 bibliography. Anchorage, AK: US Department
 of the Interior, Minerals Management Service,
 Alaska OCS Office; June 1990; OCS/MMS90/0043. 648 p.

- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Outer Continental Shelf Environmental
 Assessment Program: final reports of principal
 investigators. Anchorage, AK: US Department
 of the Interior, Minerals Management Service,
 Alaska OCS Office; June 1989; OCS/MMS 890026. 527 p. (61).
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Outer Continental Shelf Environmental
 Assessment Program: final reports of principal
 investigators. Anchorage, AK: US Department
 of the Interior, Minerals Management Service,
 Alaska OCS Office; July 1989; OCS/MMS 890063. 619 p. (62).
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Outer Continental Shelf Environmental
 Assessment Program: final reports of principal
 investigators. Anchorage, AK: US Department
 of the Interior, Minerals Management Service,
 Alaska OCS Office; August 1989; OCS/MMS89/0071. 580 p. (63).
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Outer Continental Shelf Environmental
 Assessment Program: final reports of principal
 investigators. Anchorage, AK: US Department
 of the Interior, Minerals Management Service,
 Alaska OCS Office; February 1990;
 OCS/MMS-90/0007. 515 p. (66).
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Outer Continental Shelf Environmental
 Assessment Program: final reports of principal
 investigators. Anchorage, AK: US Department
 of the Interior, Minerals Management Service,
 Alaska OCS Office; July 1990. (67).
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Region.
 Guidelines for OCS operations in polar bear
 habitats. US Department of the Interior,
 Minerals Management Service, Alaska OCS
 Region; 1994; OCS Study MMS 93-0008.

- US Department of the Interior, Minerals
 Management Service, Atlantic OCS Region.
 Offshore environmental studies program:
 environmental studies index, Atlantic outer
 continental shelf, final report. 2nd ed.;
 Herndon, VA: US Department of the Interior,
 Minerals Management Service, Atlantic OCS
 Region; 1989; OCS/MMS 89-0070. 395 p.
- US Department of the Interior, Minerals
 Management Service, Atlantic OCS Region.
 Regional studies plan fiscal year 1990: final
 report, Atlantic outer continental shelf.
 Herndon, VA: US Department of the Interior,
 Minerals Management Service, Atlantic OCS
 Region; 1989; OCS/MMS 89-0075. 92 p.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Accidents on the OCS involving
 drilling rigs, derrick barges, pipeline lay
 barges, and anchor-handling vessels. MMS
 Safety Alert (US Department of the Interior,
 Minerals Management Service, Gulf of Mexico
 OCS Region). March 9, 1994; Notice no. 162:
 1-2.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Gulf of Mexico programmatic
 documents and contract deliverables. New
 Orleans, LA: US Department of the Interior,
 Minerals Management Service, Gulf of Mexico
 OCS Region; 1993; OCS Study MMS 93-0041.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Gulf of Mexico regional studies plan,
 fiscal year 1990. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; 1989.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Gulf of Mexico regional studies plan,
 fiscal year 1991. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; 1990.

- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Gulf of Mexico Sales 139 and 141:
 central and western planning areas, draft
 environmental impact statement. Metairie, LA:
 US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Regional Office; April 1991;
 OCS/EIS/EA/MMS-91/0018. 772 p.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Gulf of Mexico Sales 142 and 143:
 central and western planning areas, final
 environmental impact statement, volume I:
 sections I through IV.C. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; November 1992; OCS EIS/EA MMS
 92-0054. xxx, 44, 73, 89, 157 p.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Gulf of Mexico Sales 147 and 150:
 central and western planning areas, FEIS. New
 Orleans, LA: US Department of the Interior,
 Minerals Management Service, Gulf of Mexico
 OCS Region; 1994; OCS EIS/EA MMS 930065.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Habitat impacts of offshore drilling:
 eastern Gulf of Mexico. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; 1994; OCS Study MMS 93-0021.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Influence of hypoxia on the
 interpretation of effects of petroleum
 production activities. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; [1993]; OCS Study MMS 93-0022.

- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Long-term assessment of the oil spill at
 Bahía las Minas, Panama: synthesis report.
 New Orleans, LA: US Department of the
 Interior, Minerals Management Service, Gulf of
 Mexico OCS Region; [1993]; MMS 93-0047
 (vol. 1); MMS 93-0048 (vol. 2, parts 1+2). 2
 vol.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Notice to pipeline right-of-way holders
 in the outer continental shelf, Gulf of Mexico
 OCS Region, interim requirements for oil spill
 contingency plans and oil spill response
 training and drills. US Department of the
 Interior, Minerals Management Service, Gulf of
 Mexico OCS Region; July 1, 1992; NTL No.
 92-04. 13 leaves.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Review and reexamnination of OCS
 spatial-temporal variability as determined by
 MMS studies in the Gulf of Mexico. New
 Orleans, LA: US Department of the Interior,
 Minerals Management Service, Gulf of Mexico
 OCS Region; 1993; OCS Study MMS 93-0041.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. University Research Initiative:
 characterization of chronic sources and impacts
 of tar along the Louisiana coast. New Orleans,
 LA: US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; 1994; OCS Study MMS 93-0046.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Regional Office. Gulf of Mexico Sales 131,
 135, and 137, central, western, and eastern
 planning areas: draft environmental impact
 statement. Metairie, LA: US Department of the
 Interior, Minerals Management Service, Gulf of
 Mexico OCS Regional Office; March 1990.
 OCS Study MMS 90-0003. 853 p.
- US District Court, District of Alaska. Summary of effects of the Exxon *Valdez* oil spill on natural resources and archaeological resources.

 Anchorage, AK; 1991; Civil Action no. 91-082.

- US Environmental Protection Agency. Alaskan Oil Spill Bioremediation Project. Washington, DC: US Environmental Protection Agency, Office of Research and Development; 1989; EPA/600/8-89/073. 16 p.
- US Environmental Protection Agency. Alaskan Oil Spill Bioremediation Project, 1990 update. Washington, DC: US Environmental Protection Agency, Office of Research and Development; 1990; EPA/600/8-89/073. 20 p.
- US Environmental Protection Agency.

 Bioremediation in the field. Washington, DC:

 US Environmental protection Agency, Office of
 Solid Waste and Emergency Response
 Technology Innovation Office; EPA/540/...
- US Environmental Protection Agency.

 Bioremediation resource guide. Washington,
 DC: US Environmental Protection Agency,
 Office of Solid Waste and Emergency Response
 Technology Innovation Office; 1993;
 EPA/542/B-93/004. 29 p.
- US Environmental Protection Agency. Citizen's guide to understanding innovative treatment technologies. Washington, DC: US Environmental Protection Agency, Office of Solid Waste and Emergency Response; 1992; EPA/542/F-92/011. 2 p.
- US Environmental Protection Agency. A citizen's guide to using indigenous and exogenous microorganisms in bioremediation.

 Washington, DC: US Environmental Protection Agency, Office of Solid Waste and Emergency Response; 1992; EPA/542/F-92/009. 4 p.
- US Environmental Protection Agency. Literature survey of innovative technologies for hazardous Waste site remediation. Washington, DC: US Environmental Protection Agency, Office of Solid Waste and Emergency Response; 1992; EPA/542/B-92/004. 145 p.
- US Environmental Protection Agency. Oil and Hazardous Materials, Technical Assistance Data System (OHM-TADS) [Clipper format]. Springfield, VA: National Technical Information Service; [1993]; PB93-500577/FAA. 7 5-1/4" HD diskettes. Note: For IBM and compatible PCs with MS-DOS 3.0 or higher; 40 MB.

- US Environmental Protection Agency.
 Understanding bioremediation: a guidebook for citizens. Washington, DC: US Environmental Protection Agency, Office of Research and Development; 1991; EPA/540/2-91/002.
- US General Accounting Office. Natural resources restoration: use of Exxon *Valdez* oil settlement funds. Washington, DC: US General Accounting Office; August 23, 1993; GAO/RCED-93-206BR. 34 p.
- US General Accounting Office. Oil spill prevention: progress made in developing Alaska demonstration projects. Washington, DC: US General Accounting Office; August 5, 1993; GAO/RCED-93-178. 33 p.
- Usher, M.; Baxter, J. Letters: slick story. *New Scientist*. February 2, 1994; 141(1914): 55.

 Note: "In Kate Douglas's dramatic account of the *Braer* oil spill in Shetland ("Diary of a disaster," 8 January), she has rather glossed over the effects on the marine wildlife ...".
- Vallega, A. Continued regional cooperation in the Mediterranean: adoption of a regional strategy for the prevention of pollution from oil exploration and exploitation. *Ocean and Coastal Management*. 1992; 18(1): 179-182.
- Van Oort, B. Lessons learned in north sea oil field developments. *Journal of Canadian Petroleum Technology*. November 1988; 27(6): 123(10).
- van't Zet, H. Dutch model for environmental care.

 Proceedings of the First International

 Conference on Health, Safety and Environment
 in Oil and Gas Exploration and Production.

 Richardson, TX: Society of Petroleum
 Engineers of AIME; 1991; 2.
- Venkatesh, S.; Crawford, W. R. Spread of oil from the *Tenyo Maru*, off the southwest coast of Vancouver Island. *Natural Hazards*. 1993; 8(1): 75-91.
- Vernet, J. P.; (Ed.) *Environmental Contamination*. New York: Elsevier Science; 1993. xvi, 480 p. (Studies in Environmental Science; v. 55).
- Verstappen, G. G. C.; Vanufford, C. H. A. Q. Examples of diffuse sources of water pollution in the Netherlands: pesticides and polycyclic aromatic hydrocarbons. *Water Science and Technology*. 1993; 28(3-5): 189-192.

- Vervalin, Charles H.; (Ed.) HP-in-brief: US petroleum statistics and other info are more accessible via Internet computer network; a sharp rise in crude oil prices is forecast by midwinter; federal government tax-raising proposal would harm HPI. Hydrocarbon Processing. October 1993; 72(10, section 1): 11.
- Vik, E. A.; Berg, J. D.; Bakke, S.; Ofjord, G. D.; Reinhard, M. Development of a product screening protocol to minimize marine environmental impacts of oil production chemicals used offshore. Water Science and Technology. 1992; 25(3): 85-92.
- Walcoff and Associates, Inc., Alexandria, VA.
 Proceedings of the North Atlantic Submarine
 Canyons Workshop (Verbatim Transcript);
 February 7-9, 1989. Herndon, VA: US
 Department of the Interior, Minerals
 Management Service, Atlantic OCS Region;
 1989; 2, 445 p. OCS/MMS 89-0016.
- Waldichuk, M. The Nestucca oil spill. *Marine Pollution Bulletin*. September 1989; 20(9): 419-420.
- Walker, D. I. Major oil spill off the coast of Western Australia. *Marine Pollution Bulletin*. September 1991; 22(9): 424.
- Walton, D. W. H.; Shears, J. The need for environmental monitoring in Antarctica: baselines, environmental impact assessments, accidents and footprints. *International Journal* of Environmental Analytical Chemistry. 1994; 55(1-4): 77-90.
- Washington State and Offshore Oil and Gas. Information priorities: final report, Advisory Committee Ocean Resources Assessment Program. Seattle, WA: Washington Sea Grant; 1988. 190 p.
- Watt, I.; Woodhouse, T.; Jones, D. A. Intertidal clean-up activities and natural regeneration on the Gulf Coast of Saudi Arabia from 1991 to 1992 after the 1991 Gulf oil spill. *Marine Pollution Bulletin*. 1993; 27: 325-331.
- Weaver, L.; Lyon, W. A.; Price, H. E. Prevention of pollution from spills: the human-machine interface factor. *Water Science and Technology*, 1992; 26(7-8): 1875-1886.

- Weise, L. G.; Floyd, F. M. Assessment of the characteristics of offshore natural gas production and gas processing: topical report, September 1989-February 1990. February 1990; GRI-90/0051. 109 p.
- Welch, H. E.; Muir, D. C. G.; Billeck, B. N.; Lockhart, W. L.; Brunskill, G. J.; Kling, H. J.; Olson, M. P.; Lemoine, R. M. Brown snow: a long-range transport event in the Canadian Arctic. *Environmental Science and Technology*, 1991; 25(2): 280-286.
- Wells, G. Managing the environmental impact of offshore oil production. *Marine Pollution Bulletin*. June 1992; 24(6): 283.
- Wells, K. Hazelwood is acquitted of most charges. Wall Street Journal. New York; March 23, 1990; A: 3, 9. 215(58).
- Westergaard, R. H. How can we cope with the blowout risk? Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Wicker, K. M.; Emmer, R. E.; Roberts, D.; van Beek, J. Pipelines, navigation channels, and facilities in sensitive coastal habitats: an analysis of outer continental shelf impacts, coastal Gulf of Mexico. New Orleans, LA: US Department of the Interior, Minerals Management Service; 1989. 2 v. OCS Study MMS 89-0051; OCS Study MMS 89-0052.
- Wielgolaske, F. E. A Barents Sea fish resources and migration model, developed with special reference to oil activity. *Fiskeridirektoratets Skrifter Serie Havundersokelser*. 1990; 18(10): 381-409.
- Wierzbicki, T.; Peer, D. B.; Rady, E. The anatomy of tanker grounding. *Marine Technology*. 1993; 30(2): 71-78.
- Wills, J. Europe's answer to oil spills. *New Scientist*. 1991; 130(1769): 36-38.
- Wolfe, D. A.; Monahan, R.; Stacey, P. E.; Farrow, D. R. G.; Robertson, A. Environmental quality of Long Island Sound: assessment and management issues. *Estuaries*. 1991; 14(3).

- Wolff, G. A.; Preston, M. R.; Harriman, G.; Rowland, S. J. Some preliminary observations after the wreck of the oil tanker *Braer* in Shetland. *Marine Pollution Bulletin*. October 1993; 26(10): 567-571.
- Wolff, W. J. Anthropogenic influences and management of estuaries. *Limnologica*. 1990; 20(1): 153-156.
- Woodmac, C. N. UK continental shelf due 800 miles of pipeline in 1993. *Oil and Gas Journal*. 1992; 90(33): 55-57.
- Woods, I. T. Environmental risk in the offshore industry. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production.

 Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Word, J. Q.; Ward, J. A.; Strand, J. A.; Cullinan, V. I.; Crecelius, E. A.; Steinhauer, W.; Hyland, J. L. Ecological evaluation of proposed discharge of dredged material from Oakland Harbor into ocean waters (Phase 1 of minus 42-foot project). September 1990.
- Wright, N. H. Optimal environmental strategies, fit for exploration. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2: 591-601.
- Yama[g]uchi, H. M. Long-awaited system to expand Canadian gas network. *Oil and Gas Journal*. July 30, 1990; 88: 31.
- Yap, K. C.; Maguire O. Reassessment necessary to enhance oil spill response preparedness. *Eighth Offshore South East Asia Conference;*December 4-7, 1990; Singapore. 1990.
- Yapa, P. D.; Chowdhury, T. Spreading of oil spilled under ice. *Journal of Hydraulic Engineering*. 1990; 116(12): 1,468-1,483.
- Yoesting, L. Chukchi Sea oil and gas lease Sale 109, Alaska Outer Continental Shelf, final environmental impact statement, volume 1: final report. Anchorage, AK: US Department of the Interior, Minerals Management Service, Alaska OCS Office; November 1987; MMS/AK/EIS-87/003. 568 p.

- Young, S. C. The Shetland oil disaster. Environmental Politics. 1993; 2(2): 333-339.
- Zhang, H.; Li, F. Practice in forecasting oil spill and pollution linked with *Daqing 236* oil tanker wreck .1. Forecast of shipwreck oil spill. *Marine Science Bulletin Hayaing Tongbao*. 1993; 12(3): 61-65. Note: In Chinese.
- Zirm, K. L.; Mayer, J.; (Eds.) The Management of Hazardous Substances in the Environment. Elsevier Science Publishers; 1990. ISBN: 1851664599.
- Zongcheng, Z. Oil pollution experiment in marineenclosed experimental ecosystem. I. Ecological distribution of hydrocarbon degradation bacteria. *Acta Oceanologica Sinica*. 1991; 10(2): 297-302.

- API: policies are driving oil industry from the US. Oil and Gas Journal. 1991; 89(47): 21-24.
- Accord near for Offshore California oil shipments. *Oil and Gas Journal*. February 1, 1993; 91(7): 40-41.
- The 'adequacy of information' for decision-making on oil and gas leases on the outer continental shelf off the Florida Panhandle ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. January 1, 1994; 25(1): 2.
- After Persian Gulf War ... controversies over future price of crude oil ... discussion of US energy plan: part II. Bulletin de l'Industrie Petroliere. 1991; 6797: 1-6.
- Annual Oil Market Report: 1988, OECD. Paris, France: Organization for Economic Cooperation and Development (OECD); 1989. 70 p. ISBN: 9264132570.
- Anti-pollution plan: EEC backs common accord for Atlantic Ocean. *Europe Environment*. 1990;
- Apache takes big plunge in Gulf of Mexico. Oil and Gas Journal. June 17-18, 1993; 91(24): 20.
- Arbitration is being used to clear refinery wastewater. *US Water News*. October 1990; 7(4): 8.
- Ashland settles oil spill claims. *Business Insurance*. February 26, 1990; 24(9): 33.
- Beaufort Region Environmental Assessment and Monitoring Program (BREAM): final report for 1991/1992. Ottawa: Environmental Studies; 1992. 479 p. (; 69).
- Burning oil at sea as a response to an oil spill was approved by USCG Region VI response team.

 Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. January 1, 1994; 25(1): 3.
- Bush Administration's 5-year Federal OCS Oil And Gas Leasing Plan has drawn fire from Rep. W. B. Jones (D-NC) ... says proposed '92-'97 schedule relies heavily on natural gas reserves off North Carolina. *The Oil Daily*. February 28, 1991; 9695: 2.
- Bush orders cancellation of eight controversial offshore lease sales. *Oil and Gas Journal*. July 2, 1990; 88(27): 26-27.

- Business and market report: Mobil wins award for Vietnamese oil. *The Courier*. Houma, LA; December 21, 1993; B: 8.
- CVM [Contingency Valuation Methodology] gets a green light. *Marine Pollution Bulletin*. March 1993; 26(3): 117.
- California study to focus on offshore oil development prospects. *Oil and Gas Journal*. June 7, 1993; 91(23).
- Capital report: Energy Department to assist natural gas and oil industry. *Sea Technology*. August 1994; 35(8): 95.
- Capital report: USCG issues interim final rule on oil spill pollution penalties. *Sea Technology*. May 1993; 34(5): 57.
- Chance of finding oil in Arctic refuge sharply higher, says Interior Chief, M. Lujan. *The Oil Daily*. March 6, 1991; 9699: 1, 8.
- Clean water, clear choices. *Journal of Petroleum Technology*. January 1994; 46(1): 24-26.
- Coastal lawmakers appear cool to offshore revenue sharing with local communities to cover costs of additional services ... they seek more details from US Minerals Management Service. *The Oil Daily*. 1991; 9701: 1, 3.
- Code on tanker operations to be issued. *Marine Pollution Bulletin*. April 1993; 26(4): 172-173.
- Combating Oil Spills: Some Economic Aspects.
 Washington, DC: Organization for Economic
 Cooperation and Development; 1982. 140 p.
 ISBN: 9264123415.
- Conducting bioremediation in the regulatory climate of the 1990s. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.
- Congress passes oil spill legislation. *Environmental Protection News*. September 8, 1990; 5(17): 4.
- A congressional hearing raised the possibility of a "train wreck" in the oil tanker industry ...

 Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. July 31, 1994; 25(10): 1-3.

- Current legal developments: Socialist Republic of Vietnam, statement of the Ministry of Foreign Affairs of the Socialist Republic of Vietnam on the agreement between Chinese and US oil companies for the exploitation of oil and gas on the continental shelf of Vietnam. The International Journal of Marine and Coastal Law. March 1993; 8(1): 162-163.
- DOT official says funding sufficient for pipeline safety. *Natural Gas Week*. May 20, 1991; 7(20): 9.
- Decade of achievement: environment and energy research and development. Hull, [Quebec]: Environment Canada, Science and Energy Branch; 1989; SSC-EN21-78/1989. 58 p. ISBN: 0662564936.
- Deepwater oil port planned off Freeport, Texas. *Oil* and Gas Journal. September 27, 1993; 91(39): 32.
- Directories of Future Offshore Developments. Infield Systems Ltd.; [1993]. 1,366 p.
- EEC: draft regulation on community program for environmental protection in Mediterranean region. *Europe Environment*. April 10, 1990; (340): V1-V17.
- EPA aims to cut offshore platform discharges. Oil and Gas Journal. 1991; 89(11): 48.
- ES and T currents, international: responding to last year's *Braer* oil tanker disaster off Scotland, the European Commission has adopted proposals to enforce international standards on ship safety and pollution control.

 Environmental Science and Technology. May 1994; 28(5): 210A.
- Editorial: DOE's oil, gas policy move mixes signals. *Oil and Gas Journal*. May 1, 1993; 91(20).
- Editorial: energy tax raises oil trade questions. Oil and Gas Journal. April 5, 1993; 91(14): 17.
- Editorial: oil tax a fatal flaw in Clinton proposal. Oil and Gas Journal. March 1, 1993; 91(9): 17.
- Egypt: world oil report 1991. *World Oil*. August 1991; 212(8): 90.
- Egyptian oil operators face ecology rules. *Platt's Oilgram News*. 1991; 69(53): 3-4.

- Environmental code of practice for treatment and disposal of waste discharges from offshore oil and gas operations [Code de pratiques ecologiques pour le traitement et l'elimination des dechets des operations petrolieres et gazieres extracotieres]. Halifax, NS, [Canada]: Canadian Seabed Research Ltd.; January 1990.
- The Environmental Compliance Handbook Series.

 New York: Executive Enterprises Publications;
 1989. Note: Volume I: The Clean Water Act
 Compliance Handbook; Volume II: The Clean
 Air Compliance Handbook; Volume III: The
 RCRA Compliance Handbook; Volume IV: The
 TSCA Compliance Handbook; Volume V: The
 Superfund Compliance Handbook; Volume VI:
 The SARA Title III Compliance Handbook.
- The Environmental Manager's Compliance Advisor.

 Madison, CT: Business and Legal Reports.
- Exxon agrees to pay Alaskans for oil spill. *The Kansas City Star: Johnson County Edition*. Kansas City, MO; July 2, 1994; A: 5.
- Exxon chairman will meet with public pension funds. *Wall Street Journal*. New York; March 23, 1990; A: 3. 215(58).
- Exxon held strictly liable for spill. *Environmental Protection News*. November 8, 1990; 2(21): 4.
- Exxon, shipping unit enter innocent pleas in oil spill. *Wall Street Journal*. New York, NY; April 10, 1990; A: 12. 215(70).
- Exxon's Iarossi steps down as head of shipping unit. *Wall Street Journal*. New York, NY; March 2, 1990; B: 3. 215(43).
- FYI: high bids total \$227M in central Gulf of Mexico lease Sale 147; deepwater rig activity at all-time high; MMS and risk analysis with Russians; MMS plans series of RIK oil sales; oil spill effects and remediation symposium to be held. MMS Today. May 1994; 4(2): 16-17.
- Federal and state agencies responsible for oil spill response plans ... *Coastal Zone Management*. November 30, 1993; 24(22): 4.
- Federal and state agencies responsible for oil spill response plans ... Ocean Science News. November 30, 1993; 35(22): 2.

- The fight against offshore drilling moritoria. Ocean Science News. March 26, 1990; 32(8): 1+. The first draft of the Oregon Territorial Sea Plan is ready for public review. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. November 1, 1993; 24(21): 1-2.
- French tanker proposals. *Marine Pollution Bulletin*. October 1991; 22(10): 480.
- Gulf of Mexico leasing activity. Gulf Focus: News from the Gulf of Mexico OCS Region. May 1994; 1.
- IPAA asks Clinton for relief from oil imports. *Oil* and Gas Journal. December 13, 1993; 91(50): 31-32.
- Indonesia focuses upstream toward sweeter terms, gas. *Oil and Gas Journal*. January 31, 1994; 92(5): 29-33.
- Injuries to international petroleum drilling workers.

 MMWR Morbidity and Mortality Weekly
 Report. February 26, 1993; 42(7): 128-131.
- Is Exxon slipping the hook in Alaska? US News and World Report. March 5, 1990; 108(9): 10.
- Italy green party activists temporarily block development of eight offshore gas fields discovered last year by AGIP in northern Adriatic. *Platt's Oilgram News*. June 20, 1991; 69(119): 4.
- Laws of the sea: pollution from offshore installations, the Kuwait protocol. *Marine Pollution Bulletin*. January 1990; 21(1): 8-10.
- Leaked government documents point to deeper Mexican petroleum privatization. *Oil and Gas Journal*. August 1, 1993; 92(33): 26-27.
- Little US benefit seen in NAFTA. Oil and Gas Journal. August 30, 1993; 91(35): 42-44.
- Living with the Spill [videocassette]. 1990. 52 minutes. Note: color.
- Louisiana plans to ban produced water and cuttings discharges in twelve coastal parishes. *World Oil*. April 1991; 212(4): 15.

- MMS moves to tighten up its inspection procedures for the OCS. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. April [1991?]; 21(10): 1-3.
- MMS set 28Feb94 as the new closing date for public comment on the ANPR on the Oil Pollution Act. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. January 1, 1994; 25(1): 2.
- MMS strategy to inform Californians of OCS activity. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. June 10, 1990; 21(16): 7.
- Marine pollution. *Ocean and Coastal Law Memo* (Ocean and Coastal Law Center, School of Law, University of Oregon, Eugene). March 1993; 39: 18-20.
- Marine pollution: A. Some recoveries for economic loss still controlled by Robins Dry Dock. *Ocean and Coastal Law Memo* (Ocean and Coastal Law Center, School of Law, University of Oregon, Eugene). May 1994; 40: 9.
- Marine pollution: B. OPA allows recovery of damages for lost profits. *Ocean and Coastal Law Memo* (Ocean and Coastal Law Center, School of Law, University of Oregon, Eugene). May 1994; 40: 9.
- Marine pollution: European parliament adopts resolution on oil slick off Portugal. *Europe Environment*. 1990; 55(79): 17,267-17,268.
- Migration and oil industry employment of North Slope Alaska natives. US Department of the Interior, Minerals Management Service; 1993; OCS Study MMS 92-0061.
- Modification of the Nat[iona]l Pollution Discharge Elimination System ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. August 31, 1993; 24(16): 3-4.
- A move to unlock a small part of the OCS for natural gas development will come up for a Senate vote soon ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. July 31, 1993; 24(14): 1-2.

- NOAA will write damage assessment regs on oil spills as per the OPA requirement. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. January 1, 1994; 25(1): 4.
- Netherlands' Gasunie is forecasting strong growth in gas demand, but export brake will stay on. *Petroleum Economist*. February 1991; 58(2): 11, 13-14.
- New regulations of US vessel traffic services. *Marine Pollution Bulletin*. August 1992; 24(8): 383.
- News: AGA, US gas demand may be flat if oil prices lag. *Oil and Gas Journal*. December 20, 1993; 91(51): 26.
- News: API focuses on cleanliness, economics of fossil fuels. *Oil and Gas Journal*. November 1, 1993; 91(46): 15.
- News: appeals court, no environmental study for NAFTA. *Oil and Gas Journal*. October 4, 1993; 91(40): 44.
- News: bid to ban oil exploration off Florida. *Marine Pollution Bulletin*. July 1994; 28(7): 411.
- News: 'Braer' salmon to become mink food. Marine Pollution Bulletin. December 1993; 26(12): 663.
- News briefs: GLO to draft rules for vessels to have spill contingency plans. *Texas Shoreline*. July 1993; 6(3): 7+.
- News: CIS environmental rules growing tougher. *Oil and Gas Journal*. September 20, 1993; 91(38): 31.
- News: deepwater Gulf leases extended. *Marine Pollution Bulletin*. January 1990; 21(1): 6.
- News: Ecuador still grappling over privatization as oil flow rises. *Oil and Gas Journal*. November 1, 1993; 91(46): 23-28.
- News: gas prices buoy Gulf of Mexico leasing recovery. *Oil and Gas Journal*. September 20, 1993; 91(38): 44.
- News: industry seeks to set aside MMS rule on royalties. *Oil and Gas Journal*. September 20, 1993; 91(38): 40.
- News: mold operations to new generation of environmental rules, API urged. *Oil and Gas Journal*. November 20, 1989; 87(47): 23-25.

- News notes: DOE seeks projects to increase oil production. *Geotimes*. March 1994; 39(3): 8-9.
- News notes: NOAA proposes rule to assess oil damages. *Geotimes*. March 1994; 39(3): 7.
- News: salmon protest in Valdez. *Marine Pollution Bulletin*. December 1993; 26(12): 664.
- News: to mine or not to mine. *Marine Pollution Bulletin*. February 1990; 21(2): 53-54.
- News: Ukraine awards first offshore license. *Oil and Gas Journal*. November 1, 1993; 91(46): 38.
- No need to import Canadian natural gas to New England, says consultant J. Buckley ... he also opposes oil import fee, explaining it would hit New England harder than other regions of country. *The Oil Daily*. March 5, 1991; 9698: 2.
- North Sea development activity surges. *Oil and Gas Journal*. 1992; 90(32).
- North Sea oil production headed for record volume. *Oil and Gas Journal*. August 9, 1993; 91(32): 22
- North Sea tax changes require strategy reviews. Petroleum Review. 1993; 47(557): 271-273.
- Norway. Energy policies and programmes of IEA countries: 1989 review (OECD/IEA). 1990. 199-219.
- Norwegian government gave its approval to Shell's development plan for the East Troll Gasfield: phase I of the Troll Project. *Petroleum Economist*. February 1991; 58(2): 31.
- OGJ newsletter: more than 100 insurance companies filed a lawsuit against Exxon ... IPAA and more than two dozen oil and gas industry associations have asked for a preliminary injunction against the U. S. Department of Interior ... Iran plans to speed privatization of its petrochemical industry. *Oil and Gas Journal*. September 6, 1993; 91(36): [i-iii].
- Obtaining regulatory approval and public acceptance for bioremediation projects with engineered organisms in the United States. *In*: Hinchee, R. E.; Anderson, D. B.; Metting, Jr., F. B.; Sayles, G. D.; (Eds.) *Applied Biotechnology for Site Remediation*. Boca Raton, FL: Lewis Publishers; 1994. 512 p.

- Ocean engineering: Brown and Root acquires Louisiana shore base. *Sea Technology*. August 1994; 35(8): 100-101.
- Offshore drilling on hold. *Environmental Protection News*. July 8, 1990; 5(13): 6.
- Offshore oil pollution compensation fund barrel fee levy. *Federal Register*. April 24, 1990; 55(79): 17,267-17,268.
- Offshore resources and engineering: OPI announces new projects totaling \$76 million. Sea Technology. August 1993; 34(8): 99.
- Offshore resources and engineering: offshore evacuation system succeeds in the North Sea. *Sea Technology*. May 1993; 34(5): 68.
- Oil and gas extraction point source category, offshore subcategory, effluent limitations guidelines and new source performance standards. *Federal Register*. March 1, 1991; 56(49): 10, 664-10,715.
- Oil and gas leasing/production program: annual report, FY 1989. Herndon, VA: US Department of the Interior, Minerals Management Service, Office of Offshore Information and Publications: March 31, 1990.
- Oil and gas potential in C. I. S. *Geotimes*. April 1993; 38(4): 11.
- Oil drilling policy called a PR ploy. *Environmental Protection Week*. 1990; 5(6): 5.
- Oil producers campaign against carbon cuts. *New Scientist*. June 20, 1992; 134(1826): 7.
- Oil spill off Galveston seen having little or no impact on shrimp catch. Frozen Food Age. 1990; 38(12): 2.
- Oil versus tourism row in Egypt said near resolution in case of Esso concession. *Platt's Oilgram News*. May 3, 1991; 69(104): 2.
- Only 11% of respondents to 1200-person poll conducted on behalf of environmental groups said they think US should emphasize finding ways to produce more oil, gas, and coal, according to results of the survey ... ranking first was finding different energy sources such as solar and wind, which 59% of respondents favored ... other category, energy conservation, drew 25% of the responses. *Natural Gas Week*. January 1, 1991; 7(2): 18-19.

- Opening an office in Anchorage to serve its Alaskan clients is Arthur D. Little, Inc. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. June 20, 1990; 21(17): 8.
- Perspective: US must get serious about alternative motor fuels ... energy policy. *Natural Gas Week*. January 1, 1991; 7(2): 2.
- Petroleum industry and its friends in Congress have been largely ineffective in fight to eliminate or reduce ban against oil and gas leasing and drilling in much of nation's federal waters. *The Oil Daily News*. June 24, 1991; 9773: 1, 4.
- Public trust doctrine .4. Alaska court remands oil and gas lease sales for further study of consistency. *Ocean and Coastal Law Memo* (Ocean and Coastal Law Center, School of Law, University of Oregon, Eugene). May 1994; 40: 15-16.
- Published search: oil spill handling, foreign patent technology. Springfield, VA: NTIS; [1993]; PB93-857985CBY. Note: Citations from Energy Science and Technology Database.
- Raising the stakes for environmental polluters: the Exxon *Valdez* criminal prosecution. *Ecology Law Quarterly*, 1992; 19: 147-185.
- Recovering markets in a changing environment. *Noroil*. December 1989; 17(12): 28-32.
- ReefKeeper to push protection of Flower Garden.

 Coastal Zone Management: First Newsletter of
 Coastal Resources and Exclusive Economic
 Zone Management. June 10, 1990; 21(16): 6-7.
- Republican members of House Energy and
 Commerce Committee Plan to reintroduce
 legislation from last fall that would form basis
 of national energy strategy, said
 Rep[resentative] N. F. Lent. Natural Gas Week.
 January 1, 1991; 7(2): 1, 6.
- Research effort aims at floating production technology. *Oil and Gas Journal*. 1992; 90(33): 58-59.
- Rough seas ahead for offshore leasing in US waters. *Petroleum Intelligence Weekly*. June 10, 1991; 30(23): 5.
- Russia may again monopolize exports of oil. *Oil and Gas Journal*. June 7, 1993; 91(23): 21.

- Sale 125 in Gulf of Mexico. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. April 30, 1990; 21(12): 5-6.
- Senate rejects change on Florida OCS drilling. *Platt's Oilgram News*. February 2, 1992; 70(35): 4.
- Shipping and the Environment: A Code of Practice. London: International Chamber of Shipping; [1993]. 24 p.
- South Africans prepare for normal oil business. Oil and Gas Journal. June 7, 1993; 91(23): 27.
- Spectre of contingency valuation worries US oil industry. *Marine Pollution Bulletin*. May 1992; 24(5): 226.
- State wants deep wells for oil and gas brine. *Enr.* September 13, 1990; 225(11): 24.
- Strongest coastal protection bill yet is debated in Calif[ornia]. *US Water News*. May 1991; 7(11): 10.
- Studds would break the deadlock on oil spill legislation. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. June 20, 1990; 21(17): 4.
- Survey of the status of oil pollution control in the South American sub-region of the wider Caribbean region. *UNEP Reg. Seas Reports Stud.* 1990; (111).
- Tanker owner's P and I Club helping to pay cleanup cost. *Business Insurance*. February 12, 1990; 24(7): 1-2.
- Texas spill plans found deficient. *Oil and Gas Journal*. March 1, 1993; 91(9): 29-30.
- That crab meat might be toxic. *US Water News*. September 1990; 7(3): 13.
- UK Norway producers push gas exports to mainland Europe. *Oil and Gas Journal*. 1992; 90(33): 66-73.
- US ... Arco decides to develop 300-million barrel Point McIntyre oilfield in Alaska, after clearing up critical tax and environmental concerns. *Petroleum Intelligence Weekly*. March 1, 1991; 30(10): 10.

- US Justice Department says it is cracking down on environmental crimes. Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. June 20, 1990; 21(17): 3-4.
- US OCS leasing plan called inadequate, minimum effort. *Oil and Gas Journal*. March 4, 1991; 89(9): 16-17.
- US spill response plan costs. *Marine Pollution Bulletin*. September 1992; 24(9): 429.
- USCG, EPA & MMS are developing the National Preparedness for Response Exercise Program ... Coastal Zone Management: First Newsletter of Coastal Resources and Exclusive Economic Zone Management. November 1, 1993; 24(21): 6.
- Use of nongovernmental sources for restoration activities in Alaska ... Coastal Zone

 Management: First Newsletter of Coastal
 Resources and Exclusive Economic Zone
 Management. September 1, 1993; 24(17): 4-6.
- Water treating advances keep pace with evolving discharge rules. *Offshore International*. January 1994; 54(1): 60, 63-64.
- We are not even halfway through the lifespan of the North Sea. *Petroleum Rev[iew]*. 1990; 44(525): 492-494.
- Well-plugging fund still without safety net. *US Water News*. 1990; 6(12): 18.
- Williamson touts OCS plan, gets grilled at house hearing. *Natural Gas Week*. 1991; 7(10): 8-9.
- Work begins on Caister, Murdoch gas development. *Oil and Gas Journal*. 1992; 90(3): 52-54.
- Worldwide production falls as market plays its wild cards. *Oil and Gas Journal*. December 27, 1993; 91(52): 37-42.
- Advisory Committee on Pollution of the Sea (London, UK). *ACOPS Yearbook 1986-87*. New York: Pergamon; 1987. 124 p.
- Alaska Department of Fish and Game. 1991 state/federal natural resource damage assessment and restoration plan for the Exxon *Valdez* oil spill. Juneau, AK: Trustee Council; 1991.

- Alcock, T. M. Ecology tankers and the Oil Pollution Act of 1990: a history of efforts to require double hulls on oil tankers. *Ecology Law Quarterly*. 1992; 19: 97-145.
- Aldhous, P. UN report says concern is wrongly directed. *Nature*. March 22, 1990; 344(6264): 279.
- Aldred, C. Conventions limit liability for oil spills near Morocco. *Business Insurance*. January 8, 1990; 24(2): 2, 22.
- Allen, C. Environmental protection and the offshore hydrocarbon industry. *APEA Journal*. 1991; 31(2): 48-51.
- Alpert, Bruce. For big oil industry, the drill is gone. The Courier. Houma, LA; June 1, 1994; D: 1, 4.
- Alpert, B. Oil firms alarmed about spill laws. *The Times-Picayune*. New Orleans, LA; October 29, 1993; C: 1-2.
- Alpert, B.; Judice, M. Oil patch yawns at Clinton strategy. *The Times-Picayune*. New Orleans, LA; December 1, 1993; C: 1+.
- Amato, F. S. Facilities design focus for health, safety and environment: compliance and compliance monitoring. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Ambrose, P. Amoco *Cadiz* settlement. *Marine Pollution Bulletin*. June 1992; 24(6): 279.
- American Petroleum Institute. Costs to the petroleum industry of major new and future federal government environmental requirements. American Petroleum Institute; October 1991. Discussion Paper 070 (878-08470).
- American Petroleum Institute. Economic evaluation of wetlands. American Petroleum Institute; April 1991. Discussion Paper 065 (878-11464).
- American Society of Mechnical Engineers.

 Accreditation of testing laboratories for safety and pollution prevention equipment used in offshore oil and gas operations. Fairfield, NJ: The American Society of Mechanical Engineers; [1991]; SPPE-2-1991.

- American Society of Mechanical Engineers. Quality
 Assurance and Certification of Safety and
 Pollution Prevention Equipment Used in
 Offshore Oil and Gas Operations. Fairfield,
 NJ: The American Society of Mechanical
 Engineers; [1991]; SPPE-1-1991.
- Anastasion, S.; Kindt, J. W.; Sheehan, D.; Farrow, S.; Conant, M. A. Oil Pollution Act of 1990: offshore oil spills, the tanker business, and the regulation of pollution control. *Marine Technology Society Journal*. March 1993; 27(1): 68-75.
- Andersen, S. S. *The Struggle Over North Sea Oil* and Gas. Oxford University Press; 1993. 204 p. ISBN: 8200218155.
- Archibugi, F.; Nijkamp, P.; (Eds.) Economy and Ecology: Towards Sustainable Development. New York: Kluwer Academic; 1989. 360 p. ISBN: 0792304772.
- Barrett, B.; Howells, R. The offshore petroleum industry and protection of the marine environment. *Journal of Environmental Law*. 1990; 2(1).
- Barry, R. *The Management of International Oil Operations*. PennWell; 1993. 478 p. ISBN: 0878144005.
- Bates, J. H.; Benson, C. J. W. *Marine Environmental Law*, London; Lloyds of London; [1993].
- Baum, R. M. Confusing environmental issues face California voters. *Chemical and Engineering News*. September 24, 1990; 68(39).
- Bell, P. R. F.; Gabric, A. J. Must GBR pollution become chronic before management reacts. *Search*. June 1991; 22(4): 117-119.
- Benner, C. S.; Middleton, R. W. Fisheries and Oil Development on the Continental Shelf.

 Bethesda, MD: American Fisheries Society;
 1991. (American Fisheries Society Symposium; v. 11).
- Benton, D.; Cowles, C. D. Oil and water can mix: the IRM Agreement on offshore oil and gas leasing in the Bering Sea. Coastal Zone '89: Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989; Juneau, Alaska. New York: ASCE; 1989; 2: 1,945-1,947.

- Churchill, R.; Ulfstein, G.; Andersen, P.; Churchill, R.; (Eds.) The conflict between oil and fisheries: a survey of Norwegian and United Kingdom law and practice. European Workshop on the Regulation of Fisheries: Legal, Economic and Social Aspects: Proceedings of a European Workshop; June 2-4, 1986; University of Tromsoe, Norway. Cardiff, Wales, UK: Law Department, UWIST; 1987.
- Cicin-Saln, B. Private and public approaches to solving oil/fishing conflicts offshore California. *Ocean Shoreline Management*. 1989; 12(3): 233-251.
- Clark, B. R. Potential conflicts between oil and gas industry activities and commercial fishing.

 Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 143-145.
- Clark, J. The role of C-CORE in Canadian cold oceans resources development. St. John's, NF (Canada): Memorial University of Newfoundland, Centre for Cold Ocean Resources Engineering; 1988.
- Clemmitt, M. Public, private health concerns spur rapid progress in toxicology: increasing fears about carcinogens and other poisons will fuel further growth in the already booming field, experts say. *Scientist*. February 17, 1992; 6(4): 1.
- Cocheba, D. J.; Meyer, P. A.; Uebelacker, M. L.; Barsh, R. L. Potential effects of OCS oil and gas activities on Oregon and Washington Indian tribes: description of overall legal environment and legal status of sixteen specified tribes. June 1990; OCS/MMS-90/0034. 68 p.
- Connor, S. R. Environmental site assessments: risk management for petroleum facilities. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 431-441.
- Connor, S. R. SPCC [Spill Prevention Control and Countermeasures] plans: is your oil and gas lease in compliance? Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 215-222.

- Cooper, C. K.; Forristall, G. Z.; Hamilton, R. C.; Ebbesmeyer, C. C. Utilization of offshore oil platforms for meteorological and oceanographic measurements. *Marine Technology Society Journal*. June 1993; 27(2): 10-23.
- Couper, A. D. Sea use planning and management simulations. *Ocean and Shoreline Management*. 1991; 15(4).
- Cox, G.; Barrett, A. N. Spill remediation procedures under the proposed Texas Risk Reduction Rules. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 189-195.
- Crook, J. Automated oil rig cuts the cost of drilling. *New Scientist*. October 17, 1992; 136(1843): 20.
- Crow, P. DOE's new activist role turns spotlight on US oil and gas supply, use. *Oil and Gas Journal*. June 11, 1990; 88(24): 15-17.
- Crow, P. Environmental concern outweighs action on energy in Congress. *Oil and Gas Journal*. January 29, 1990; 25-28.
- Crow, P. Watching government: NAFTA issue heats up. *Oil and Gas Journal*. November 1, 1993; 91(46): 27-28.
- Crow, P. Watching Washington: deepwater royalties. Oil and Gas Journal. September 20, 1993; 91(38): 38.
- Crow, P. Watching Washington: independent oilmen, 'a dying breed?'. *Oil and Gas Journal*. November 1, 1993; 91(44): 30.
- Crow, P. Watching Washington: MMS to require offshore spill plans. *Oil and Gas Journal*. February 8, 1993; 91(6): 48.
- Crow, P. Watching Washington: owners' view of tankers. *Oil and Gas Journal*. March 8, 1993; 91(10).
- Crow, P. Watching Washington: relief from oil imports. *Oil and Gas Journal*. September 13, 1993; 91(38): 39.
- Cruickshank, M. J. Ocean mining: US marine mining; making a comeback? *Sea Technology*. August 1993; 34(8): 93.

- Cummings, A. D. The Exxon *Valdez* oil spill and the confidentiality of Natural Resource Damage Assessment data. *Ecological Law Quarterly*. 1992; 19(2): 363-412.
- Cushman, Jr., J. H. Legal ripples of spill are said to distort big picture of damage. *New York Times*. New York; May 1, 1990; C: 4.
- Dalferes, T. E. Occupational injury/illness rate trends in the oil and gas field services industry 1980-1990. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 301-310.
- Dalyell, T. Toxic wastes and other ethical issues. *New Scientist*. July 4, 1992; 135(1828): 50.
- Davies, G. Boundaries become critical as Faroes turns from fish to oil. *Marine Pollution Bulletin*. March 1994; 28(3): 135.
- Dayton, L. Alaska's silent spring. New Scientist. 1990; 125(1709): 25-26.
- de Krieger, M. Review of environmental research and policy with regard to oil and gas extraction on the Dutch continental shelf. *Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production*. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 2: 651-662.
- Deffarges, E.; Moeller, R.; Ellis, P. Gulf of Mexico is still a promising area. *Oil and Gas Journal*. September 19, 1988; 86(38): 54-58.
- Delauze, H. G. Welding in hostile environment for nuclear and offshore industry [Le soudage en milieu hostile pour l'industrie offshore et le nucleaire]. Meeting of the Welding International Institute; Souder (France).

 January 1990; 14(1).
- Devenis, P. K. Task force on oil spill preparedness: offshore implementation progress. *Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada.* Ottawa, Ontario, Canada: Environment Canada; 1992: 307-314. ISBN: 0662590503.
- Ditz, D. W. Hazardous waste incineration at sea: EPA decision making on risk. *Risk Analysis*. 1988; 8(4): 499-508.

- Donohoe, L. E.; Tracy, P. G. Phillipps Petroleum Co. v. Mississippi [108 S.Ct. 791 (1988)]: the Louisiana State Law Institute's advisory opinion relative to non-navigable waterbottoms. *Louisiana Law Review*. September 1992; 53: 35-78.
- Doran, F. Redefining oil policy in the UK: defending a national asset from market forces. *OPEC Bulletin*. July 1989; 20(7): 15-19.
- Douglas, D. G. The Fifth Circuit passes the buck: whether maritime law or OCSLA applies to contracts involving drilling platforms on the Outer Continental Shelf?: Smith v. Penrod Drilling Corp. [960 F. 2d 456 (1992)]. *Tulane Maritime Law Journal*. September 1992; 17: 89-99.
- Dunn, H. E.; Beardmore, D. H.; Stewart, W. S. Gulf of Mexico mud toxicity limitations. *Petroleum Engineer International*. 1989; 61(10): 32-36.
- Dunn, L.; (Ed.) HP impact: petrochemicals outlook given at DeWitt's Houston conference.

 Hydrocarbon Processing. May 1993; 72(5): 27-33.
- Dunn, L.; (Ed.) HP impact: petroleum products 'to cost more due to environmental requirements'. Hydrocarbon Processing. October 1993; 72(10): 23.
- Duoa, G. S. Private industry's answer to the oil spill distress call: The Marine Spill Response Corporation. *Marine Technology Society Journal*. 1990; 24(4): 47-48.
- Durie, R. W. Preparing for development in the Canadian Beaufort Sea. *Proceedings of the* 22nd Annual Offshore Technology Conference and Exhibition (OTC '90). 1990; 4.
- Ehler, C. N. NOAA viewpoints on management and legislative implications of recent oil spills. Marine Technology Society Journal. 1990; 24(4): 23-26.
- Eide, I.; Brandsdal, E.; Bjorseth, O. Subjective and objective evaluation of the indoor environment in an enclosed 24-hour society on an offshore installation. *Environment International*. 1992; 18(4): 371-379.

- Elferink, A. The development of a liability regime for the carriage of HNS: the score to date.

 Marine Pollution Bulletin. October 1991; 22(10): 484-487.
- Englin, J. E.; Klan, M. S. Competitive bidding for OCS leases and environmental risk: energy supply/demand balances. Twelfth Annual North American Conference of the International Association for Energy Economics (IAEE); October 1-3, 1990; Ottawa[, Ontario, Canada]. Washington, DC: International Association of Energy Economists (IAEE); 1990: 18-24.
- Environmental Advisory Commission,
 Newfoundland-Labrador Marine
 Transportation (Canada). Potential issues
 associated with shipping oil and gas through
 the Labrador Sea and Strait of Belle Isle. St.
 John's (Canada): Environmental Advisory
 Commission, Newfoundland-Labrador Marine
 Transportation; 1989.
- Erickson, P. A. A Practical Guide to Environmental Impact Assessment. Academic Press; 1994. 266 p. ISBN: 0122415558.
- Essig, R. J. Outer continental shelf fishery resources of the south Atlantic. *Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988.* New York: IEEE; 1988; 1: 127-131.
- Farrow, S. Does analysis matter? Economics and planning in the Department of the Interior. *Review of Economics and Statistics*. February 1991; 73(1).
- Fischer, D. W.; Martinet, L. Local government response to the *American Trader* oil spill of 1990: implications for policy. *Ocean and Coastal Management*. 1993; 19(1): 59-73.
- Fishkin, A.; Reid, A. Proposed legislation to aid in the privatization of the oil and gas industry. Focus on Privatization: The Russian Perspective. July 1993; 1(1): 3-4.
- Flin, R.; Slaven, G. Managing offshore installations. *Petroleum Review*. 1993; 47(553): 68, 70-71.
- Ford, E. Leading the way in the new age of offshore energy exploitation. *HSB International*. October 1988; 37(8): 65.

- Fox, J. N.; Rybansky, R. M.; Trevail, R. A. Lake Erie: offshore natural gas exploration and development opportunities in Ontario. *Journal* of Canadian Petroleum Technology. July 1989; 28(4): 129(7).
- Freedman, W. H.; Dennis P. W. California does it again: the environmental protection initiative of 1990. *Chemical Times and Trends*. April 1990; 13(2): 55-64.
- Frieze, P. A.; Wickham, A. H. S.; Niu, X. Adapting proposed USA LRFD fixed offshore platform design practice to the North Sea environment. Proceedings of the Ninth International Conference on Offshore Mechanics and Arctic Engineering, 1990; February 18-23, 1990; Guildford, England, UK. New York: American Society of Mechanical Engineers (ASME); 1990; II: Safety and Reliability: 41-47. Other title: Proceedings of the International Offshore Mechanics and Arctic Engineering Symposium.
- Frye, R. S. *Clean Water Act Permit Guidance Manual.* New York: Executive Enterprises
 Publications; 1984. 644 p. ISBN: 0880571365.
- Frye, R. S. *Clean Water Act Update*. New York: Executive Enterprises Publications; 1987. 206 p. ISBN: 0889578319.
- Gaither, W. S. What the United States needs now: an Environment Petroleum Grant Act. *Scientist*. March 4, 1991; 5(5): 12.
- Garick, J. A. Crisis in the oil industry: Certificates of Financial Responsibility and the Oil Pollution Act of 1990. *Marine Policy*. 1993; 17(4): 272-293.
- Gas Research Institute, (Chicago, IL). Environment and safety research program status report: 1988-1989. Chicago, IL: Gas Research Institute; March 1989. 164 p.
- Gaskell, N. Current legal developments: International Maritime Organization: compensation for oil pollution, 1992 protocols to the Civil Liability Convention and the Fund Convention. *International Journal of Marine* and Coastal Law. 1993; 8(2): 286-290.
- Gauthier, C. C. Enforcement of federal underground storage tank regulations. *Environmental Law*. 1990; 20(2): 261-289.

- Gibson, M. M. Environmental Regulation of Petroleum Spills and Wastes. Wiley; 1993. 459 p. ISBN: 0471574783.
- Gibson, M. Environmental Regulation of Petroleum Spills and Wastes, 1994 Supplement. New York: Wiley: 1994. ISBN: 0471036307.
- Gibson, V. R. Safety/standby vessels: the new requirements. *Seaways*. 1992; 9.
- Giermann, G. Remote sensing in intergovernmental programmes of ocean research and monitoring. *GeoJournal*. 1991; 24(1): 67-69.
- Gilbert, J. T. E.; Harrison, P. Environmental planning and management of offshore hydrocarbon operations: the development of environmental guidelines. *Energy*. 1981; 6(11). Special issue: EAPI/CCOP Workshop South China Sea: Hydrocarbon Potential and Possibilities of Joint Development; Honolulu, HI.
- Gillam, A. H. Canadian code of practice for offshore oil and gas waste. *Marine Pollution Bulletin*. June 1991; 22(6): 264.
- Gillam, A. H. EPA proposal to reduce offshore oil and gas discharges. *Marine Pollution Bulletin*. June 1991; 22(6): 263-264.
- Godec, M. L.; Biglarbigi, K. Economic effects of environmental regulations on finding and developing crude oil in the US. *JPT: Journal of Petroleum Technology*. 1991; 43(1): 72-79.
- Goodfellow, R.; (Ed.) North Sea Innovations and Economics: Proceedings of the Conference; January 1993; London, UK. Thomas Telford; 1993. 148 p. ISBN: 072771953X.
- Goodman, R. Will specialized equipment and supplies needed for an oil spill response be available when you need them? Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 253-260. ISBN: 0662590503.
- Gordon, Jr., W. R. Travel characteristics of marine anglers using oil and gas platforms in the central Gulf of Mexico. *Marine Fisheries Review*, 1993; 55(1): 25-31.

- Gots, R. E. *Toxic Risks: Science, Regulation, and Perception*. Boca Raton, FL: Lewis Publishers; 1993. 288 p. ISBN: 0873715101.
- Gottehrer, S. K. Citizens' involvement in monitoring Alaska pipeline in Prince William Sound. Proceedings: Fourteenth Annual Arctic and Marine Oil Spill Program Technical Seminar; June 12-14, 1991; Vancouver, British Columbia, Canada. Oslo, Norway: Norwegian State Pollution Control Authority; 1991.
- Gould, G. J. Gulf of Mexico update: May 1988-July 1989, outer continental shelf oil and gas activities. Herndon, VA: US Department of the Interior, Minerals Management Service, OCS Information Program; 1989; OCS/MMS 89-0079.
- Gould, G. J. OCS National Compendium, outer continental shelf oil and gas information through September 1988. Herndon, VA: US Department of the Interior, Minerals Management Service, OCS Information Program; June 1989; OCS/MMS 89-0043.
- Gramling, R.; Freudenburg, W. R. The Exxon *Valdez* oil spill in the context of US petroleum policies. *Industrial Crisis Quarterly*. 1992; 6(3): 175-196.
- Grattan, L. Canada's east coast: the fishing industry/oil industry interface, 1980-1989.

 Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Grattan, L. The Hibernia Project and the fishing industry. Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Grecco, M. G.; Tein, D. Economics of a deepwater early production and test system. *Ocean Industry*. 1992; 27(7): 138-142.
- Grumbles, B. H. Federal oil spill legislation in the wake of the Exxon *Valdez*. *Marine Technology Society Journal*. 1990; 24(4): 5-11.
- Gurney, J. US contingency plans for oil spills. *Petroleum Review*. 1993; 47(555): 158-160.
- Hall, J.; (Business ed.) Afloat on a sea of oil: a Louisiana towboat company is shifting gears to meet demands of a changing oil environment. *The Times-Picayune*. New Orleans, LA; August 14, 1994; F: 1-2.

- Hall, J.; (Business ed.) Spill law offers a slick opportunity. *The Times-Picayune*. New Orleans, LA; August 14, 1994; F: 1-2.
- Hall, K. L. Business and the environment. *EPA Journal*. July 1990; 16(4): 37-38.
- Hallas, P. A. The future of UK gas producers: impact on North Sea producers. *Proceedings of Offshore Europe '91; September 3-6, 1991; Aberdeen, UK.* Richardson, TX: Society of Petroleum Engineers; 1991: 507-514.
- Hamilton, D. P. EPA douses idea for an oil spill "burn". *Science*. July 17, 1992; 257(5068): 315.
- Hammond, A. E. Role of natural gas in the New Zealand energy market. Australian Institute of Mining and Metallurgy Annual Conference: The Mineral Industry in New Zealand; March 18-21, 1990; Rotorua, New Zealand. 33-36.
- Hann, Jr., R. W. The Alaska Coastal Communities Cooperative: the concept and feasibility. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 281-291, ISBN: 0662590503.
- Hann, Jr., R. W.; Giammona, C. P.; Randall, R. E. Offshore oceanographic and environmental monitoring services for the Strategic Petroleum Reserve: eighteen-month report for the West Hackberry Site, May 1983-November 1983, volume 3, executive summary. 1984; 85-01773.
- Hansch, S. Comprehensive look at the California Coastal Commission's regulation of offshore oil and gas operations. Coastal Zone '89: Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989; San Francisco, California. New York: American Society of Chemical Engineers; 1989; 5: 4,235.
- Hansen, H.; Redd, E.; Salaber, A.; Myers, S.; Shannon, R. Pursuing the case for safety. *Oilfield Review*. October 1993; 5(4): 36-45.
- Hanson, K.; Robinson, S.; Schluter, G. Sectoral effects of a world oil price shock: economywide linkages to the agricultural sector. *Journal of Agricultural and Resource Economics*. July 1993; 18(1): 96-116.

- Harrald, J. R.; Cohn, R.; Wallace, W. A. 'We were always re-organizing ...': some crisis management implications of the Exxon *Valdez* oil spill. *Industrial Crisis Quarterly*. 1992; 6(3): 197-217.
- Hartshorn, J. E. *Oil Trade*. Cambridge University Press; 1993, 306 p. ISBN: 0521331439.
- Hawker, D. W.; Connell, D. W. Standards and criteria for pollution control in coral reef areas. *Pollution in Tropical Aquatic Systems*. 1992; 169-191.
- Hayward, G.; Gallagher, M. Spill response plans limit costly liability. *Environmental Protection*. 1992; 3(7): 26-29.
- Hemminki, K.; Reunanen, A.; Kahn, H. Use of DNA adducts in the assessment of occupational and environmental exposure to carcinogens. European Journal of Cancer. 1991; 27(3): 289-291.
- Hershman, M. J.; Fluharty, D. L.; Powell, S. L. State and local influence over offshore oil decisions. Seattle, WA: Washington Sea Grant; 1988. 297 p.
- Higgins, R. Abandonment of energy sites and structures: relevant international law. *Journal of Energy and Natural Resources Law*. February 1993; 11: 6-16.
- Hind, M. J. Minimising potential risk exposures in petroleum (marine) shipping operations. *Petroleum Review*. February 1991; 45(529): 69-71
- Hoare, A. G. Energy for the asking: public participation in resource development in New Zealand. *Applied Geography*. 1988; 8(3).
- Horswill, D. H. British Columbia energy potential and policies energy in western Canada: the potential, the markets and the money. *Canadian National Energy Forum.* 1988.
- Horton, E. E.; Halkyard, J. E. A Spar platform for developing deep water oil fields. MTS '92:
 Global Ocean Partnership, Proceedings of the Marine Technology Society Conference;
 October 19-21, 1992; Washington, DC. 1992: 998-1005. ISBN: 0933957114.

- Hout, E.; Bailey, R.; Wolniakowski, K. U. Ocean resource management in Oregon: pushing open the window of opportunity. *Oceans* '88: *Proceedings A Partnership of Marine Interests; October 31-November 2, 1988.* New York: IEEE; 1988; 3: 994-999.
- Howie, K. United States v. Pozsgai. Water Log: A Legal Reporter of the Mississippi-Alabama Sea Grant Consortium. 1993; 13(4): 10-11. MASGP-93-015-04.
- Hughes, H. R. Environmental auditing of government administration systems for the petroleum industry. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 615-619.
- Hyde, C. EPA becoming more receptive to biotechnology. *Environmental Waste Management*. 1990; 8(4): 20.
- Ijlstra, T. North Sea pollution: vessel-source pollution, environmental management and the establishment of EEZs. *Marine Policy*. 1993; 17(2): 130-135.
- Jarashow, R. L. The new regime for oil spill liability in the United States. *Canada-United States Law Journal*. 1992; 18: 299-308.
- Jenkins, G. Oil Economists' Handbook: A Prime Source of Data on Energy Economics. 5th ed. New York: Elsevier Science Publishing; 1989. 2 v. ISBN: 1851663452.
- Jin, D. Supply and demand of new oil tankers.

 Maritime Policy Management. 1993; 20(3): 215-227.
- Johnson, S. P.; Corcelle, G. *The Environmental Policy of the European Communities*. London: Graham and Trotman; 1989. 349 p.
- Johnston, J. E.; Rives, James D.; Soileau, David M. Geologic review: better regulation through interagency cooperation. Coastal Zone '89: Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989; Louisiana Geological Survey, Baton Rouge, Louisiana. New York: ASCE; 1989; 5. 4,264-4,277.

- Jones, G. H. The Canadian experience in frontier environmental protection. AAPG Bulletin.
 March 1991; 75(3): 603-604. Special issue:
 Annual Meeting of the American Association of Petroleum Geologists.
- Jones, G. H. Canadian experience in frontier environmental protection. *Bulletin of Canadian Petroleum Geology*. June 1991; 39.
- Jones, P. Greater protection for the Barrier Reef.

 Marine Pollution Bulletin. August 1992; 24(8): 382-383.
- Jordan, S. J. Offshore oil leasing: an overview of environmental issues. *The Fate and Effects of Pollutants: A Symposium*. 1985. (Technical Report of the Maryland University Sea Grant Program). Note: Summary only.
- Judice, M. Drilling activity declines. *The Times-Picayune*. New Orleans, LA; January 1, 1993; C: 1, 2.
- Judice, M. La. keeps eye on oil's slide. *The Times-Picayune*. New Orleans, LA; December 21, 1993; C: 1, 2.
- Judice, M. Old oil platforms never die: they just become home to schools of Gulf fish. *The Times-Picayune*. New Orleans, LA; August 23, 1993; C: 1+ (2).
- Kahoe, M. A.; Tillman, Terry L. Local marine fisheries impact program. Coastal Zone '89: Proceedings of the Sixth Symposium on Coastal and Ocean Management; July 11-14, 1989; Sacramento, California. New York: ASCE; 1989; 5: 4,817-4,831.
- Kaufmann, R. K.; Cleveland, C. J. Policies to increase US oil production: likely to fail, damage the economy, and damage the environment. Hollander, J. M.; (Ed.) Annual Review of Energy and the Environment. 1991; 16.
- Kellas, G. K. Tax reforms raise questions for oil industry in the UK. *Oil and Gas Journal*. August 30, 1993; 91(35): 64-66.
- Kelso, D. D. Alaska's response to the Exxon *Valdez* oil spill. *Environmental Science and Technology*. 1991; 25(1): 16-23.
- [Kennedy, J. L.]. Editorial: Congress must fix Oil Pollution Act. *Oil and Gas Journal*. November 1, 1993; 91(46): 15.

- [Kennedy, J. L.]. Editorial: free trade efforts good for industry. *Oil and Gas Journal*. September 27, 1993; 91(39): 19.
- [Kennedy, J. L.]. Editorial: has crude oil value taken a step down? *Oil and Gas Journal*. December 27, 1993; 91(52): 19.
- [Kennedy, J. L.]. Editorial: industry has large stake in NAFTA vote. *Oil and Gas Journal*. November 1, 1993; 91(46): 21.
- [Kennedy, J. L.]. Editorial: policy repair would help US producers. *Oil and Gas Journal*. November 1, 1993; 91(44): 21.
- Kipp, K.; Rice, M. A.; Grady, M.; Schwartz, M. L.;
 (Eds.) Shellfish safety: human health implications of toxic contamination in Narragansett Bay, Rhode Island. Proceedings of the First Rhode Island Shellfisheries
 Conference; August 27, 1990; Narragansett, Rhode Island. Boston, MA: US Environmental Protection Agency, Region I; 1991.
- Knaster, A. S. Use of alternative dispute resolution in resolving outer continental shelf disputes. Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988, New York: IEEE; 1988; 1: 156-160.
- Knickerbocker, B. Ballot-box frost shrivels green hopes for big gains. *Christian Science Monitor*. November 9, 1990; 82(242).
- Knott, D. Natural gas demand surges among European customers. *Oil and Gas Journal*. December 27, 1993; 91(52): 21-26.
- Knott, D. Old fields in North Sea given new lease on life. *Oil and Gas Journal*. August 30, 1993; 91(35): 47-50.
- Knott, D. Watching the world: sealife safety could hike oil price. *Oil and Gas Journal*. January 1, 1993; 91(3): 27.
- Koen, A. D. Need seen for more pipelines in deepwater Gulf of Mexico. *Oil and Gas Journal*. December 13, 1993; 91(50): 19-22.
- Koen, A. D. News: independents spark behind Gulf of Mexico resurgence. *Oil and Gas Journal*. September 27, 1993; 91(39): 20-25.

- Konoplyanik, A. Future possible role of the Arctic and other severe seas in the USSR offshore petroleum development. *Petroleum Review*. 1989; 43(513).
- Kritsiotis, D. Current legal developments:
 International Court of Justice, case concerning
 oil platforms (Islamic Republic of Iran v.
 United States of America). *The International*Journal of Marine and Coastal Law. November
 1993; 8(4): 507-509.
- Kroner, R. R.; (Ed.) *Transnational Environmental Liability and Insurance*. Dordrecht, The Netherlands: Kluwer Academic; 1992. 180 p. ISBN: 1853337781.
- Kwant, J. W.; Grant, R. O. Environmental performance management: the next step. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2.
- Laffly, G. Developments in legislation related to treatment of petroleum refinery effluents: a USA overview. *Water Pollution Research Journal of Canada*. 1989; 24(3): 355-362.
- Lamarche, A.; Emerand, V.; Dalkir, K.; Rivet, C.; Fingas, M. A decision support system to help in the choice of shoreline cleanup methods after an oil spill. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 791-800. ISBN: 0662590503.
- Landua, Jr., H. H. Establishing an international standard for safe practices and procedures. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas, 1993; Book 1: 343-357.
- Lansdale, C. Congressional and legislative affairs update. *MMS Today*. May 1994; 4(2): 18-19.

- Lesniak, K. Z. Impact of wetlands regulation on oil and gas exploration and production activities and petrochemical facility development. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 149-164.
- Lichtblau, J. H. US oil import dependency. Eighth International Symposium on Petroleum Economics. 1989;
- Lijklema, L. European states compete to disown the "Black Peter". *Water Quality International*. 1990; (2): 20-22.
- Lind, T. Environmental impact assessment process for offshore oil and gas exploration and development in Norway. *Environmental Impact Assessment Review*. 1983; 4(3-4).
- Linehan, D. Offshore safety cases. *Seaways*. 1992; 16-18.
- Lombardo, G. J. Strategies for the improvement of quality of life and service at the wellsite.

 Proceedings of the First International

 Conference on Health, Safety and Environment in Oil and Gas Exploration and Production.

 Richardson, TX: Society of Petroleum

 Engineers of AIME; 1991; 2.
- Loughlin, S. Insurance rules could cripple oil-gas industry. *The Courier*. Houma, LA; December 1, 1993; A: 1.
- Loughlin, S. Oil spill insurance worries coastal firms. *The Courier*. Houma, LA; October 31, 1993; A: 1, 11 (4-6).
- Lucas, A. R.; Hunt, C. D. Oil and gas law in Canada. Alberta (Canada): Calgary University; May 1990.
- Ludwig, N. A.; Valencia, M. J. Oil and mineral resources of the East China Sea: prospects in relation to maritime boundaries. *GeoJournal*. 1993; 30(4): 381-387.
- McGarr, F. J. Inadequacy of the federal forum for resolution of oil spill damages. *Marine Technological Society Journal*. 1990; 24(4): 43-46.
- McGregor, G. I. Environmental Law and Enforcement. Boca Raton, FL: Lewis Publishers; 1994. 256 p. ISBN: 0873717457.

- McIntyre, A. D. Oil and gas health and safety.

 Marine Pollution Bulletin. 1992; 24(3): 170.

 Special issue: First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production; November 11-14, 1991; The Hague, The Netherlands.
- McLoughlin, J.; Bellinger, E. G.; (Eds.)

 Environmental Pollution Control: An
 Introduction to Principles and Practice
 Administration. Dordrecht, The Netherlands:
 Kluwer Academic; 1993. 288 p. ISBN:
 1853335770.
- McNabb, S. Logical inconsistencies. *Human Organization*. 1989; 48(2): 108-116.
- Macrakis, K. Book review: Opting for Oil: The Political Economy of Technological Change in the West German Chemical Industry, 1945-1961, by R. G. Stokes. Nature. June 2, 1994; 369(6482): 620.
- Mabro, R. E. Medium-and long-term trends in oil: oil demand, oil supply and political uncertainties, structural changes that have transformed behavior of oil market. *Sea Technology*. August 1994; 35(8): 21-25.
- Malik, K. A. Future strategies of oil companies. Society of Petroleum Engineers of AIME Paper. May 1990. 25 p.
- Martinez, A. R. *Venezuelan Oil: Development and Chronology*. New York: Elsevier Science Publishing; 1989. 242 p.
- Mates, A.; Scheinberg, Y. A model for approving and controlling sea water pollution for recreational activity. *Toxicological and Environmental Chemistry*. 1991; 31-2: 479-487.
- Matsen, B. Fisherman fight Cook Inlet oil leases. *National Fisherman*. June 1994; 75(2): 10.
- Matsen, B. Jury rules Exxon was reckless. *National Fisherman*. August 1994; 75(4).
- Matsen, B. Pacific coast watch: stop the lower Cook Inlet oil leases. *National Fisherman*. June 1994; 75(2): 1.

- Mayerson, D. Pre-lease geophysical permitting for the Pacific OCS: Procedures, problems, and solutions. *Oceans '88: Proceedings - A* Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 229-234.
- Mazzullo, L. J.; Hicks, R. T. Pre-acquisition environmental site assessments: managing liabilities. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 443-452.
- Mead, W. J. Offshore Lands, Oil and Gas Leasing and Conservation on the Outer Continental Shelf. San Francisco, CA: Pacific Research Institute for Public Policy; 1985. 169 p.
- Meijer, K.; Krijt, K. Implications of the Netherlands' environmental policy for offshore mining. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 2.
- Melges-Figueredo, L. H. Brazilian study on oil terminal impact. *Marine Pollution Bulletin*. May 1992; 24(5): 226.
- Meyers, S. Proceedings of the Chinese-American Symposium on Energy Markets and the Future of Energy Demand. Washington, DC: US Department of Energy; November 1988. 275 p.
- Middleton, R. W. Oil and gas industry conflicts on the outer continental shelf. *Oceans '88: Proceedings - A Partnership of Marine Interests; October 31-November 2, 1988.* New York: IEEE; 1988; 1: 123-126.
- Milling, M. C. Oil and gas for the 21st Century: comment. *Geotimes*. March 1993; 38(3): 6.
- Moe, A. Norwegian approaches to Arctic developments. *Petroleum Review*. 1989; 43(513).
- Moore, S. D. Elf Petroland tackles environmental constraints at Zuidwal. *Petroleum Engineer International*. March 1989; 61(3): 30, 32.

- Moore, W. H.; Bea, R. G. Human and organizational errors in operations of marine systems: occidental *Piper Alpha* and high pressure gas systems on offshore platforms. *Offshore Technology Conference; May 1993; Houston, TX*. California: U. C. Regents; [1993]. 14 p.
- Moritis, G. Producers modify activities as threat of new rules looms. *Oil and Gas Journal*. 1991; 89(50): 52-55.
- Moseley III, J. R. Mary Ann Field, facilities reflect Mobile Bay demands, conditions. *Oil and Gas Journal*. May 8, 1989; 87(19): 36-40.
- Moss, B. They do pollute. *New Scientist*. June 27, 1992; 134(1827): 54.
- Moss, D. E. Environmental and regulatory aspects of port development in Los Angeles Harbor: the Pactex example. Los Angeles, CA: California University; 1989.
- Mulhern, P. Marine pollution, fishers, and the pillars of the land: a tort recovery standard for pure economic losses. *Boston College Environmental Affairs Law Review*. 1990; 18(1): 85-123.
- Muus, B. The Wadden Sea 'free-for-all', without any limits on human exploitation of the area. Seventh International Wadden Sea Symposium Proceedings; October 1990; Ameland, The Netherlands. Netherlands Institute for Sea Research; 1990: 45-49.
- National Research Council. Environmental Information for Outer Continental Shelf Oil and Gas Decisions in Alaska. National Academy Press; 1994. 254 p. ISBN: 0309050367.
- National Research Council, Committee on a Systems
 Assessment of Marine Environmental
 Monitoring. Managing Troubled Waters, the
 Role of Marine Environmental Monitoring.
 Washington, DC: National Academy Press;
 1990. 125 p.
- National Research Council, Committee to Review the Outer Continental Shelf Environmental Studies Program. The Adequacy of Environmental Information For Outer Continental Shelf Oil and Gas Decisions: Florida and California. Washington, DC: National Academy Press; 1989: 86 p.

- Nicandros, C. S. North Sea trends typify industry's worldwide adjustment to change. *Oil and Gas Journal*. November 1, 1993; 91(46): 47-53.
- Nichols, D. Issues management process: function and methodology. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 551-563.
- Noble, P. G. Safer transport of oil at sea: a social responsibility for naval architects and marine engineers. *Marine Technology*. 1993; 30(2): 61-70.
- O'Connor, T. E. Future world oil markets and trends: factors affecting the future direction of world oil markets; directions these markets are likely to take. *Sea Technology*. August 1994; 35(8): 41-48.
- Olje-og Energidepartementet (Norway). Opening the Barents Sea South for exploration activities [Aapning av Barentshavet Syd for letevirksomhet Stortingsmeldinger]. Oslo (Norway): Olje-og Energidepartementet; 1989; no. 40 (1988-89).
- Organization for European Cooperation and Development (OECD). The cost of oil spills. Washington, DC: Organization for European Cooperation and Development; 1982. 252 p. 92-64-12339-3.
- Organization for European Cooperation and Development (OECD). Economic Instruments for Environmental Protection, OECD: Tenth Report. Paris, France: Organization for European Cooperation and Development; 1989. 131 p. ISBN: 0101914903.
- Organization for European Cooperation and Development (OECD). Energy and the Environment: Policy Overview. Paris: Organization for European Cooperation and Development; 1989. 222 p.
- Ortiz, S. P. Environmentally responsible development. *MMS Today*. November 1993; 4(1): 14-15.
- Packer, J. Role of coastal shipping in the primary distribution of petroleum product in the United Kingdom. *Petroleum Review*. 1993; 47(560): 415-417.

- Pagano, S. S.; Marsh, T. Offshore drilling, construction: fortunes tied to stable gas prices. *Sea Technology*, 1993; 34(1): 20-21.
- Pain, S. Alaska has its fill of oil. *New Scientist*. August 12, 1989; 123(1677): 34.
- Parker, H. D.; (Ed.) Impact of oil on coastal industries. Kuiper, J.; van den Brink, W. J.; (Eds.) Fate and Effects of Oil in Marine Ecosystems: Proceedings of the Conference on Oil Pollution; February 23-27, 1987; Amsterdam, The Netherlands. Dordrecht, The Netherlands: Martinus Nijhoff; 1987: 221-223.
- Parkes, K. R. Mental health in the oil industry: a comparative study of onshore and offshore employees. *Psychol. Med.* November 1992; 22(4): 997-1009.
- Payne, J. F. Oil pollution: a penny ante problem for fisheries (if it weren't for erroneous perceptions). Fisheries and Offshore Petroleum Exploitation International Conference. 1989.
- Pearce, F. UN fears pollution curbs could raise temperatures. *New Scientist*. January 4, 1992; 133(1802): 5.
- Picou, J. S.; Gill, D. A.; Dyer, C. L.; Curry, E. W. Disruption and stress in Alaskan fishing community: initial and continuing impacts of the Exxon *Valdez* oil spill. *Industrial Crisis Quarterly*, 1992; 6(3): 235-257.
- Pineschi, L. The prevention of marine pollution from ships according to Annex-IV to the protocol on environmental protection to the Antarctic Treaty. *Marine Pollution Bulletin*. May 1992; 24(5): 228-230.
- Plant, G. Legal aspects of deliberate marine pollution during the Gulf War. *Marine Pollution Bulletin*. June 1992; 24(6): 284-287.
- Popp, A. H. E. Legal aspects of international oil spills in the Canada/US context. *Canada-United States Law Journal*. September 1992; 18: 309-326.
- Power, M.; Jewkes, E. The impact of resource royalties on the development of marginally economic discoveries: the case of Nova Scotia. *Energy*. July 1991; 16(7).

- Putnam, D. L. Developments in legislation related to treatment of petroleum refinery effluents: a Canadian overview. *Water Pollution Research Journal of Canada*. 24(3): 345-354.
- Quon, T. K. S.; Bushell, G. E.; Laube, J. A. Risk analysis of vessel traffic systems. *Maritime Policy Management*. 1992; 19(4): 319-336.
- Radecki, S.; Sierota, B. The oil and gas industry program of work in the area of geology for 1993 [Program prac geologicznych gornictwa naftowego na rok 1993]. *Nafta. Gaz.* April 1993; 49(4): 121-127. Note: In Polish.
- Raloff, J. Native Alaskans eschew this oily diet. *Science News*. February 13, 1993; 143(7): 110.
- Randolph, T. M.; Simpson, J. P. EPA offshore effluent guidelines for mud and cuttings discharges: a regulatory impact model. SPE/IADC 1989 Drilling Conference; February 28-March 3, 1989; Shell Offshore. Richardson, TX: Society of Petroleum Engineers of AIME; 1989: 503-516.
- Read, A. D.; Reiersen, L. O. International initiatives and statutory controls on the prevention of pollution from offshore operations. *North Sea Oil and the Environment*. 1992; 403-416.
- Regg, J. B.; Kuranel, R. Y. Minerals Management Service regulation of floating drilling unit operations in the Beaufort and Chukchi outer continental shelf. Drilling Conference Proceedings; February 18, 1992. Richardson, TX: Society of Petroleum Engineers of AIME; 1992: 703-712.
- Reggio, V. Offshore rigs: creating thriving marine environments. *MMS Today*. August 1993; 3(4): 15.
- Rensvik, H. A review of the Norwegian State
 Pollution Control Authority's long term plan
 for operations on the Norwegian shelf.
 Petroleum and the Environment Conference;
 October 9-10, 1990; Oslo, Norway. Norwegian
 Petroleum Society; 1990.
- Renwick, P.; Tolloczko, J. Offshore safety. *Chemical Engineering*. 1992; 525: 17-18.
- Rhodes, A. K. Recent and pending regulations push refiners to the limit. *Oil and Gas Journal*. 1991; 89(50): 39-46.

- Robillard, G. A.; Winfield, T. P.; Markarian, R. K. Natural resource damage assessments: status of regulations and application to recent oil spills. Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 233-243.
- Robson, M.; Joergensen, K. F.; Jensen, K. Oil pollution control and monitoring in the Danish offshore industry: oil pollution questions. *Seminar on Oil Pollution Questions*. Helsinki, Finland: Baltic Marine Environment Protection Commission, Helsinki Commission; 1987.
- Rodin, M.; Downs, M.; Petterson, J.; Russell, J. Community impacts resulting from the Exxon *Valdez* oil spill. *Industrial Crisis Quarterly*. 1992; 6(3): 219-234.
- Roehl, W. S.; Ditton, R. B. Impacts of the offshore marine industry on coastal tourism: the case of Padre Island National Seashore. *Coastal Management*. January 1993; 21(1): 75-89.
- Rothwell, D. R. Maritime boundaries and resource development: options for the Beaufort Sea. University of Calgary; July 1988; Report 86.
- Sainlos, J. C. International legal regimes for oil pollution preparedness, response, and cooperation. *In*: Sandler, D.; Adly, E.; Alkhoshman, M. A.; Warburg, P.; Berstein, T. *Protecting the Gulf of Aqaba*. Washington, DC: Environmental Law Institute; c1993: 241-257. ISBN: 0911937463.
- Schenke, L. D. Liability for damages arising from an oil spill. *Natural Resources and Environment*. 1990; 4(4): 14-16.
- Schiffries, C. M.; (Contr.) Clinton releases gas and oil plan. *Geotimes*. February 1994; 39(2): 8.
- Schnatter, A. R.; Kat, A. M.; Nicolich, M. J.; Theriault, G. A retrospective mortality study among Canadian petroleum marketing and distribution workers. *Environmental Health Perspectives*. December 1993; 101(Suppl. 6): 85-99.
- Scholes, W. Conference report: "Asia Pacific, the most dynamic region in the world". *Petroleum Review*. 1993; 47(560): 408-409.

- Schrader, E. L.; Westover, E. S. Developing sorbent standards for spill response: effects of the Oil Pollution Act of 1990 and the Free Trade Agreement. *Environmental Geology*. September 1993; 22(1): 47-51.
- Schrader, E. L.; Westover, E. S. Developing sorbent standards for spill response: effects of the Oil Pollution Act of 1990 and the Free Trade Agreement: correction. *Environmental Geology*. October 1993; 22(2): 192.
- Scurry, L. Quarterman heads ADR effort. *MMS Today*. May 1994; 4(2): 15-16.
- Serfass, J. A.; Bergman, M. K.; Rodenhiser, W. Commercial, environmental and legislative factors that influence the implementation of fuel cells. *Journal of Power Sources*. April 1994; 49(1-3): 193-208.
- Seydlitz, R.; Laska, S. Social and economic impacts of petroleum "boom and bust" cycles. New Orleans, LA: US Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region; June 1994. 131 p. (University Research Initiative).
- Shard, A.; Morgan, G. Globe 90: shipping and pollution. *Seaways*. 1990; 9-10.
- Shaw, R. P. Warfare, national sovereignty and the environment. *Environmental Conservation*. 1993; 20(2): 113-121.
- Sheehan, C. A.; Penfield, G. T.; Morales, E. Costa Rica geologic basins lure wildcatters. *Oil and Gas Journal*. 1990; 88(18).
- Side, J. North Sea: environment and sea use planning. *Ocean and Shoreline Management*. 1991; 16(3/4): 177-395.
- Side, J. C. Decommissioning and abandonment of offshore installations. *In*: Cairns, W. J.; (Ed.) *North Sea Oil and the Environment*. Elsevier Applied Science; 1992: 523-545.
- Simmonds, K. R. Oil and Gas Law: The North Sea Exploitation. Dobbs Ferry, NY: Oceana Publications; 1988. ISBN: 0379102501.

- Smith, J. R. Health, safety, and environmental considerations in developing frontier areas. Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production. Richardson, TX: Society of Petroleum Engineers of AIME; 1991: 2.
- Smith, J. R.; Kidwell, C. K.; Unger, V. E.; Fercho, E.; Helmer, C. M. Operator/contractor relationships: a team approach. *Drilling Conference Proceedings; February 18-21, 1992*. Richardson, TX: Society of Petroleum Engineers of AIME; 1992: 493-502.
- Smith, M. L. Pacific Visions, California Scientists and the Environment, 1850-1915. New Haven, CT: Yale University Press; 1988. 252 p.
- Smith, P. Using maintenance management systems as an aid to OSHA and EPA compliance.

 Fourth Annual Pennwell Conference and Exhibit: Petro-Safe '93 Conference Proceedings; January 26-28, 1993; Houston, Texas. 1993; Book 1: 245-251.
- Smith, R. W. Offshore: US Gulf tempts owners away from more exotic pastures, a stable political climate, increased natural gas demand and easier access to seismic data are bringing rigs and boats back. *Marine Log.* June 1994; 99(6): 49-52.
- Smith, W. M.; Leschine, T. M.; Landy, R. B. National priorities in marine pollution. Rockville, MD: National Ocean Pollution Program Office; February 1988. 23 p.
- Snyder, R. E. MSRC: the \$800-million answer to US oil spills. *Ocean Industry*. 1991; 26(5).
- Soniat, T. M. Oil and oyster industry conflicts in coastal Louisiana. *Journal of Shellfish Research*. 1988; 7(1): 213. Special issue: 1988
 Annual Meeting of the National Shellfisheries
 Association; June 26, 1988; New Orleans, LA.
- Spaulding, M. L.; Reed, M. Introduction: oil spill legislation and management. *Marine Technology Society Journal*. 1990; 24(4): 3-4.
- Spaulding, M.; Reed, M. Oil spill legislation and management. Washington, DC: Marine Technology Society; 1990.

- Spitzer, J. D. An Incident Command System in practice and reality. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 315-334. ISBN: 0662590503.
- St. John, B. Regulation of the marine oil and gas industry under the Clean Water Act. Petro-Safe '89: International Exhibition and Conference for Environmental and Safety Concerns of the Energy Industries. 1989.
- Stedman, B. J. Expand and accelerate: offshore oil and gas leasing and the EIA process. Environmental Impact and Assessment Review. 1983; 4(3-4).
- Stege, A.; Beyea, J. Oil and gas resources on special federal lands: wilderness and wildlife refuges. Annual Review of Energy. 1986; 11.
- Stokes, R. G. Opting for Oil: The Political Economy of Technological Change in the West German Chemical Industry, 1945-1961. Cambridge University Press; 1994. 259 p.
- Strickland, R. M. The Pacific northwest coast: fossil fuel frontier. *Northwest Environmental Journal*. 1990; 6(1): 25-77.
- Strickland, R.; Chasan, D. J. Coastal Washington: a synthesis of information. Seattle, WA: Washington Sea Grant; 1989. 233 p. (Washington State and Offshore Oil and Gas).
- Suman, D. Regulation of ocean dumping by the European Economic Community. *Ecological Law Quarterly*. 1991; 18(3): 559-618.
- Sutherland, K. M.; Flin, R. H. Psychosocial aspects of the offshore oil industry. *Proceedings of the First International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production*. Richardson, TX: Society of Petroleum Engineers of AIME; 1991; 2: 793-802.
- Szczeklik, A.; Szczeklik, J.; Galuszka, Z.; Musial, J.; Kolarzyk, E.; Targosz, D. Humoral immunosuppression in men exposed to polycyclic aromatic hydrocarbons and related carcinogens in polluted environments. *Environmental Health Perspectives*. March 1994; 102(3): 302-304.

- Teal, J. M. Role of the Scientific Advisory
 Committee Outer Continental Shelf Program of
 Minerals Management Service. Oceans '88:
 Proceedings A Partnership of Marine
 Interests; October 31-November 2, 1988. New
 York; IEEE; 1988; 1: 177-179.
- Tear, L.; Beadle, H. Synthesis of knowledge of the potential impacts of OCS oil and gas activities on fisheries, technical summary: final report. Rockville, MD: Technical Resources, Inc.; October 1989. 6 p.
- Tear, L. M. Potential impacts of OCS oil and gas activities on fisheries, volume 2: annotated bibliography for OCS oil and gas impact studies, final report. October 1989, 579 p.
- Thomas, C. P.; Doughty, T. C.; Faulder, D. D.; Harrison, W. E.; Irving, J. S.; Jamison, H. C.; White, G. J. Alaska oil and gas: energy, wealth or vanishing opportunity, final report. January 1991.
- Thomas, P.; (Ed.) *Water Pollution: Law and Liability*. Dordrecht, The Netherlands: Kluwer Academic; 1993. ISBN: 1853338745.
- Thorson, J. A. Stricter marine pollution standards accelerate move to zero discharge rigs. *Oil and Gas Journal*. 1991; 89(52): 94-98.
- Tippee, B.; Williams, B. Operators boost offshore action where leases, permits available. *Oil and Gas Journal*. June 4, 1990; 88(23).
- Tippee, B. Gulf of Mexico Report: prospect variety lures newcomers, heats competition in Gulf of Mexico. *Oil and Gas Journal*. July 2, 1990; 88(27): 19-24.
- Tippee, B. Institute tells teachers how energy, policy mix. *Oil and Gas Journal*. September 20, 1993; 91(38): 21.
- Tippie, V. K.; Knight, Sopher H.; Kineon, F. P. Coastal crisis calls for new directions in environmental policy. *Sea Technology*. 1991; 32(8): 10-20.
- True, W. R. Pipeliners and gas processors target even cleaner operations. *Oil and Gas Journal*. 1991; 89(50): 46-51.
- Tubb, M. Gulf of Mexico: encouraging signs for frontier development. *Ocean Industry*. 1992; 27(6): 17-25.

- Ulfstein, G.; Ulfstein, G.; Andersen, P.; Churchill, R.; (Eds.) The conflict between petroleum production and fisheries in international law. Proceedings of a European Workshop on the Regulation of Fisheries: Legal, Economic and Social Aspects; June 2-4, 1986; University of Tromsoe, Norway. 1987.
- US Congress, Committee on Energy and Commerce, Subcommittee on Transportation and Hazardous Materials. RCRA special waste: hearing before the Subcommittee on Transportation and Hazardous Materials of the Committee on Energy and Commerce, House of Representatives, One Hundred Second Congress, first session on wastes resulting from oil and gas exploration and production, mining, and mineral processing, September 12, 1991. Washington, DC: Superintendent of Documents, Congressional Sales Office; 1992.
- US Congress, Committee on Merchant Marine and Fisheries, Subcommittee on Fisheries and Wildlife Conservation and the Environment. Issues of consequence regarding Massachusetts and Cape Cod Bays: hearing before the Subcommittee on Fisheries and Wildlife Conservation and the Environment and the Subcommittee on Oceanography, Great Lakes, and the Outer Continental Shelf of the Committee on Merchant Marine and Fisheries, House of Representatives, One Hundred Second Congress, first session, November 4, 1991. Washington, DC: Superintendent of Documents, Congressional Sales Office; 1992.
- US Congress, Committee on Merchant Marine and Fisheries, Subcommittee on Oversight and Investigations. Waterfront facilities oil spills: hearing before the Subcommittee on Oversight and Investigations and Subcommittee on Coast Guard and Navigation of the Committee on Merchant Marine and Fisheries, House of Representatives, One Hundred Second Congress, first session, October 24, 1991. Washington, DC: Superintendent of Documents, Congressional Sales Office; 1992.

- US Department of Commerce, National Oceanic and Atmospheric Administration, National Oceanographic Data Center, Ocean Pollution Data and Information Network. Federal plan for ocean pollution research, development and monitoring: fiscal years 1992-1996.

 Washington, DC: US Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Pollution Program; 1992.
- US Department of Energy. Strategic petroleum reserve sulphur mines decommissioning and Big Hill expansion, Calcasieu Parish, Louisiana and Jefferson County, Texas. US Department of Energy; 1990; DPE/EA-0401.
- US Department of Energy. US-Japan energy policy consultations: final narrative report.

 Washington, DC: US Department of Energy;
 May 15, 1989; CONF-8904249. 150 p. Note:
 Conference proceedings from meeting held at
 Mt. Fuji, Japan, April 9-11, 1989.
- US Department of Energy, Office of Energy Markets and End Use. International energy outlook, 1989: projections to 2000. Washington, DC: US Department of Energy; March 8, 1989; DOE/EIA-0484 (89). 62 p.
- US Department of Energy, Office of Energy Markets and End Use. Performance profiles of major energy producers: 1988 progress report.

 Washington, DC: US Department of Energy, Office of Energy Markets and End Use; January 26, 1990; DOE/EIA-0206(88). 159 p.
- US Department of the Interior. Report to Congress on the impact of potential crude-oil spills in the Arctic Ocean on Alaskan natives: Oil Pollution Act of 1990, section 8302. Washington, DC: The [US] Department [of the Interior]; December 1991.
- US Department of the Interior, Minerals
 Management Service. Federal offshore
 statistics: leasing, exploration production and
 revenues as of December 31, 1992. US
 Department of the Interior, Minerals
 Management Service; 1994; OCS Report MMS
 93-0066.
- US Department of the Interior, Minerals
 Management Service. Safety and offshore oil:
 background papers of the Committee on
 Assessment of Safety of OCS Activities. 1981.

- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Chukchi Sea oil and gas lease Sale 126: draft
 environmental impact statement, volume 1.
 Anchorage, AK: US Department of the Interior,
 Minerals Management Service, Alaska OCS
 Office; 1990; MMS-90-0035-Vol-1. 611 p.
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Office.
 Chukchi Sea oil and gas lease Sale 126: draft
 environmental impact statement, volume 2.
 Anchorage, AK: US Department of the Interior,
 Minerals Management Service, Alaska OCS
 Office; 1990; MMS-90-0035-Vol-2. 284 p.
- US Department of the Interior, Minerals
 Management Service, Alaska OCS Region.
 Navarin Basin oil and gas lease Sale 107: draft
 environmental impact statement. Anchorage,
 AK: US Department of the Interior, Minerals
 Management Service, Alaska OCS Region;
 1990; OCS EIS/EA.
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Impact of offshore oil exploration and
 production on the social institutions of coastal
 Louisiana. New Orleans, LA: US Department
 of the Interior, Minerals Management Service,
 Gulf of Mexico OCS Region; 1994; OCS Study
 MMS 93-0007. (University Research
 Initiative).
- US Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region. Socioeconomic impacts of declining
 outer continental shelf oil and gas activities in
 the Gulf of Mexico. New Orleans, LA: US
 Department of the Interior, Minerals
 Management Service, Gulf of Mexico OCS
 Region; 1994; OCS Study MMS 93-0028.
 (University Research Initiative).
- US Department of the Interior, Minerals
 Management Service, Offshore Information
 and Publications. OCS regulations related to
 mineral resource activities on the outer
 continental shelf. US Department of the
 Interior, Minerals Management Service,
 Offshore Information and Publications; 1988;
 OCS Report MMS 88-0026.

- US Department of the Interior, Minerals
 Management Service, Pacific OCS Region.
 Potential effects of OCS oil and gas exploration
 and development on Pacific Northwest Indian
 tribes: final technical report. US Department of
 the Interior, Minerals Management Service and
 Central Washington University; 1991; MMS
 91-0056.
- US Department of the Interior, Minerals
 Management Service, Pacific OCS Region.
 Proceedings: Conference/Workshop on
 Recommendations for Studies in Washington
 and Oregon Relative to Offshore Oil and Gas
 Development; May 23, 1988; Portland,
 Oregon. Los Angeles, CA: US Department of
 the Interior, Minerals Management Service,
 Pacific OCS Region; January 25, 1989;
 OCS/MMS 88-0090. 240 p.
- US Environmental Protection Agency. Costeffectiveness analysis of proposed effluent limitation guidelines and standards for the offshore oil and gas industry. US Environmental Protection Agency; 1991; EPA 440/2-91-002.
- US Environmental Protection Agency. Development document for effluent limitation guidelines and standards for the offshore subcategory of the oil and gas extraction point source category. US Environmental Protection Agency; 1991; EPA 440/1-91/055.
- US Environmental Protection Agency, Office of Emergency and Remedial Response.

 Delegations of authority under the Federal Water Pollution Control Act (FWPCA) which are applicable to the Superfund Program: directive (final). Washington, DC: US Environmental Protection Agency, Office of Emergency and Remedial Response; April 16, 1984.
- US Environmental Protection Agency, Office of Emergency and Remedial Response. Update on implementation of the Oil Pollution Act of 1990. US Environmental Protection Agency, Office of Emergency and Remedial Response; September 1991; OSWER-9200.5-115I-Vol-1-No-4. 1(4).

- US General Accounting Office. Hazardous waste: an update on the cost and availability of pollution insurance. [Washington, DC]: US General Accounting Office; April 5, 1994; GAO/PEMD-94-16. 72 p.
- US General Accounting Office. Mineral revenues potential cost to repurchase offshore oil and gas leases: report to the Chairman, Subcommittee on Interior and Related Agencies, Committee on Appropriations, House of Representatives. US General Accounting Office; 1991; GAO/RCED-91-03 B-242732.
- US General Accounting Office. Natural resources restoration: use of Exxon *Valdez* oil spill settlement funds. Washington, DC: US Government Accounting Office; 1993; GAO/RCED-93-206BR. 34 p.
- US General Accounting Office. Pollution from pipelines: DOT lacks prevention program and information for timely response. Washington, DC: GAO; January 1991; GAO/RCED-91-60. (Report to Congressional Requesters).
- US General Accounting Office. Trans-Alaska pipeline: regulators have not ensured that government requirements are being met: report to the Chairman, Subcommittee on Water, Power, and Offshore Energy Resources, Committee on Interior and Insular Affairs, House of Representatives. [Washington, DC]: US General Accounting Office; 1991; GAO/RCED-91-89.
- US Office of Technology Assessment. Polar prospects: a minerals treaty for Antarctica. Washington, DC: US Office of Technology Assessment; September 1989; OTA-0-428. 228 p.
- Van Eeden, P. Some aspects limiting the liability of tanker owners for oil pollution damage on the South African coast and maritime zones.
 Rondebosch, South Africa: University of Cape Town, Institute of Marine Law Publication; 1992; 16.
- Vanderstraaten, J.; Hafkamp, W. The polluter pays principle and sustainable development: the case of Eastern Europe. *Issues of Environmental Economic Policy*, 1992; 24: 7-18.

- Veil, J. A. Review of the cost-effectiveness of EPA's offshore oil and gas effluent guidelines.

 Argonne National Laboratories, Illinois; and US Department of Energy; 1992.
- Vernberg, F. J.; Vernberg, W. B.; Blood, E.; Fortner, A.; Fulton, M.; Mckellar, H.; Michener, W.; Scott, G.; Siewicki, T.; Elfigi, K. Impact of urbanization on high-salinity estuaries in the southeastern United States. *Netherlands Journal of Sea Research*. December 1992; 30: 239-248.
- Vervalin, C. H.; (Ed.) HP-in-brief: a US oil import tax could still become reality. *Hydrocarbon Processing*. November 1993; 72(11): 11.
- Vervalin, C. H.; (Ed.) HP-in-brief: global oil demand will increase by an average of 900,000 bpd ... heavy crude oil's percentage will decline significantly ... the petrochemicals outlook was targeted in forecasts ... will environmental regulatory pressure on the HPI abate? ... world refining centers' margin hierarchy has shifted recently. *Hydrocarbon Processing*. April 1993; 72(4): 11.
- Vervalin, C. H. Innovation can save us. Hydrocarbon Processing. May 1993; 72(5): 15.
- Vervalin, C. H. Who benefits from an oil import tax? Hydrocarbon Processing. February 1993; 72(2): 15.
- Veziroglu, T. N.; (Ed.) Ninth Miami International Congress on Energy and Environment;
 December 11-13, 1989; Miami Beach, Florida.
 Honolulu, HI: Hawaii National Energy
 Institute, University of Hawaii at Manoa; 1991;
 2: 197-480.
- Vines, G. Alaskans and the oil spill blues. *New Scientist*. July 18, 1992; 135(1830): 18.
- Visser, R. C. Offshore development in Cook Inlet, Alaska. Proceedings of the Eighth International Conference on Offshore Mechanics and Arctic Engineering, 1989; March 19, 1989. New York: American Society of Mechanical Engineers (ASME); 1989; IV (of VI): 435-442.
- Watt, I. Nelson oil field to begin production in spring 1994. *Oil and Gas Journal*. August 30, 1993; 91(35): 60-63.

- Webster, F.; Burdick, D. J.; Yenne, K. A. Central California Planning Area geologic report. Los Angeles, CA: US Department of the Interior, Minerals Management Service, Pacific OCS Region; 1988.
- Westermeyer, W. E. Oil spill response capabilities in the United States. *Environmental Science and Technology*. 1991; 25(2): 196-200.
- White M. Oil pollution in the Australian and New Zealand region. *Australian Law Journal*. March 1993; 67(191-204).
- Whittaker, H.; Wood, F. S. The UCSG/Environment Canada/ASTM Standards Development Program. Proceedings of the Fifteenth Arctic and Marine Oilspill Program Technical Seminar; June 10-12, 1992; Edmonton, Alberta, Canada. Ottawa, Ontario, Canada: Environment Canada; 1992: 301-306. ISBN: 0662590503.
- Whitticks, E. Field Manual for Oil and Gas Construction Contracts Management. Gulf Publishing; 1994. 208 p. ISBN: 0884151786.
- Wigglesworth, D. T. Pollution Prevention: A Guide for State and Local Government. Boca Raton, FL: Lewis Publishers; 1993. 240 p. ISBN: 087371654X.
- Wilder, R. J. Cooperative governance, environmental policy, and management of offshore oil and gas in the United States. *Ocean Development and International Law.* 1993; 24(1): 41-62.
- Wilder, R. J. Is this holistic ecology or just muddling through?: the theory and practice of marine policy. *Coastal Management*. 1993; 21(3): 209-224.
- Williams, B. US Petroleum Strategies in the Decade of the Environment. Pennwell; 1991. ISBN: 0878143653.
- Williamson, B. A. America is hooked on oil. *POCS* [Pacific Outer Continental Shelf] *Current Events*. June 1989; 1-2.
- Wilson, W. F. Environmental impacts on the oil and gas industry. Fourth Annual Pennwell
 Conference and Exhibit: Petro-Safe '93
 Conference Proceedings; January 26-28, 1993;
 Houston, Texas. 1993; Book 1: 481-521.

- Wingert, R. C. Geophysical survey and commercial fishing conflicts, environmental studies, and conflict mitigation in the Minerals Management Service Pacific OCS region.

 Oceans '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 1: 150-155.
- Wong, O.; Harris, F.; Smith, T. J. Health effects of gasoline exposure .2. Mortality patterns of distribution workers in the United States. *Environmental Health Perspectives*. December 1993; 101(Suppl. 6): 63-76.
- Yergin, D. Energy policy: the ecumenical approach, 1993-1997. *Geotimes*. March 1993; 38(3): 12-15.
- Yoder, C. G. Liability for drilling and productionsource oil pollution in the Canadian offshore. Calgary University, AB (Canada): Canadian Institute of Resources Law; August 1986.
- Yosie, T. F. Editorial: the petroleum industry and the public health debate over petroleum products. *Journal of Exposure Analysis and Environmental Epidemiology*. January 1992; 2(1): 1-3.
- Zippin, J. Cumulative environmental effects of the Department of the Interior's Offshore Oil and Gas Program: 1987 report to Congress. *Oceans* '88: Proceedings A Partnership of Marine Interests; October 31-November 2, 1988. New York: IEEE; 1988; 4: 1615.
- Zondorak, V. A. A new face in corporate environmental responsibility. *Boston College Environmental Affairs Law Review*. 1991; 18(3): 457-500.

International Standard Serial Numbers (ISSNs) and CODENs for Selected Sources

Appendix

Title	ISSN	CODEN
AAPG Memoir	0065-731X	MAPGAN
ASTM Special Technical Publication	0066-0558	ASTTA8
Acta Chemica Scandinavica	0904-213X	ACSAA4
Acta Oceanologica Sinica	0253-505X	
Ambio	0044-7447	AMBOCX
American Industrial Hygiene Association Journal	0002-8894	AIHAAP
Analusis	0365-4877	ANLSCY
Analytical Chemistry	0003-2700	ANCHAM
Analyst	0003-2654	
Annual Review of Energy and the Environment	1056-3466	
Antarctic Science	0954-1020	ANTSE8
Applied and Environmental Microbiology	0099-2240	AEMIDF
Applied Radiation and Isotopes	0883-2889	ARISEF
Aquatic Toxicology (Amsterdam)	0166-445X	AQTODG
Archiv für Hydrobiologie: Ergebnisse der Limnologie	0071-1128	ERLIA6
Archives of Environmental Contamination and Toxicology	0090-4341	AECTCV
Archives of Environmental Health	0003-9896	AEHLAU
Arctic	0004-0843	ATICAB
Astronomy and Astrophysics	0004-6361	
Atmospheric Environment, Part A: General Topics	0004-6981	ATENBP
Auk	0004-8038	AUKJAF
Biologia (Bratislava)	0006-3088	BLOAAO
Biometrics	0006-341X	BIOMA5
Bioresource Technology	0960-8524	
Biotechnology and Bioengineering	0006-3592	BIBIAU
Biotechnology Letters	0141-5492	BILED3
Biotechnology Techniques	0951-208X	BTECE6
Boletim do Instituto Oceanografico	0373-5524	BOCNAO
Botanica Marina	0006-8055	BOTNA7
Bulletin of Canadian Petroleum Geology	0007-4802	BCPGAI
Bulletin of Environmental Contamination and Toxicology	0007-4861	BECTA6
Bulletin of Marine Science	0007-4977	BMRSAW
Bulletin of the American Meteorological Society	0003-0007	BAMIAT
CEA: Chemical Engineering in Australia	0157-9762	CCEADR
Canadian Journal of Spectroscopy	0045-5105	CJSPAI
Canadian Journal of Chemical Engineering	0008-4043	CJCEA7
Canadian Journal of Fisheries and Aquatic Sciences	0706-652X	CJFSDX
Canadian Journal of Microbiology	0008-4166	CJMIAZ
Canadian Technical Report of Fisheries and Aquatic Sciences	0706-6457	CTRSDR
Chemia Analityczna	0009-2223	
Chemical Engineering	0009-2460	
Chemometrics and Intelligent Laboratory Systems	0169-7439	
Chemosphere	0045-6535	CMSHAF

Title	ISSN	CODEN
Chromatographia	0009-5893	CHRGB7
Coastal Management	0892-0753	
Colloids and Surfaces	0166-6622	COSUD3
Comparative Biochemistry and Physiology: C, Comparative Pharmacology	0306-4492	CBPCBB
Congress in New Zealand Proceedings	0368-0770	
Continental Shelf Research	0278-4343	
Discovery and Innovation	1015-079X	
Dock Harbour Authority	0012-4419	
Ekologia CCSR		EKBRD5
Ekologija Ehkologiya Ecology	0235-7224	
Engineering Digest (Toronto)	0013-7901	EDIGAN
Environment International	0161-4120	ENVIDV
Environmental Conservation	0376-8929	
Environmental Ecology	0970-0420	
Environmental Geology	0177-5146	EGWSEI
Environmental Health Perspectives	0091-6765	EVHPAZ
Environmental Monitoring and Assessment	0167-6369	EMASDH
Environmental Pollution	0269-7491	ENPOEK
Environmental Research	0013-9351	ENVRAL
Environmental Science and Technology	0013-936X	ESTHAG
Environmental Technology	0959-3330	
Environmental Toxicology and Chemistry	0730-7268	ETOCDK
Enzyme and Microbial Technology	0141-0229	EMTED2
Estuaries	0160-8347	ESTUDO
Estuarine, Coastal and Shelf Science	0272-7714	ECSSD3
European Chemical News	0014-2875	
FEMS Microbial Ecology	0168-6496	FMECEZ
Federal Register	0097-6326	
Fish and Shellfish Immunology	1050-4648	
Fisheries	0363-2415	FISHDN
Fiskeridirektoratets Skrifter Serie Havundersokelser	0015-3117	FDSHAJ
Fluid Phase Equilibria	0378-3812	
Fresenius Environmental Bulletin	1018-4619	
Geochimica et Cosmochimica Acta	0016-7037	GCACAK
Geology	0091-7613	GLGYBA
Geotimes	0016-8556	GEOTAJ
Global Biogeochemical Cycles	0886-6236	GBCYEP
Ground Water	0017-467X	GRWAAP
Circuit Water		
HSB International	0018-3571	HSBIEY
Hortscience	0018-5345	HJHSAR
Hydrocarbon Processing	0018-8190	
Hydrological Sciences Journal [Journal du Sciences Hydrologiques]	0262-6667	HSJODN
ICES Journal of Marine Science	0020-6466	
Indian Journal of Marine Sciences	0379-5136	IJMNBF
Industrial Environmental Crisis Quarterly	0921-8106	
Industrial Laboratory	0019-8447	

Title	ISSN	CODEN
InTech	0192-303X	INTCDD
International Biodeterioration and Biodegradation	0964-8305	
International Journal of Environmental Analytical Chemistry	0306-7319	IJEAA3
International Journal of Marine and Coastal Law	0927-3522	
International Journal of Offshore Polar Engineering	1053-5381	
Izvestiya Academii Nauk SSSR Seriya Geologicheskaya	0321-1703	IANGA3
JPT: Journal of Petroleum Technology	0149-2136	
Japanese Journal of Toxicology and Environmental Health	0013-273X	
Journal of Agricultural and Resource Economics	0162-1912	
Journal of Chemical and Engineering Data	0021-9568	
Journal of Chemical Technology and Biotechnology	0268-2575	JCTBED
Journal of Chromatography, A	0021-9673	JOCRAM
Journal of Colloid and Interface Science	0021-9797	JCISA5
Journal of Contaminant Hydrology	0169-7722	JCOHE6
Journal of Environmental Engineering (ASCE)	0733-9372	
Journal of Environmental Quality	0047-2425	JEVQAA
Journal of Environmental Science and Health, Part A: Environmental Science		
Engineering	0360-1226	JESEDU
Journal of Experimental Marine Biology and Ecology	0022-0981	JEMBAM
Journal of Fluid Mechanics	0022-1120	
Journal of Geophysical Research - D	0148-0227	JGREA2
Journal of Great Lakes Research	0380-1330	JGLRDE
Journal of Industrial Microbiology	0169-4146	JIMIE7
Journal of Membrane Science	0376-7388	JMESDO
Journal of Natural History	0022-2933	JNAHA9
Journal of Offshore Mechanics and Arctic Engineering	0892-7219	
Journal of Petroleum Geology	0141-6421	JPEGD9
Journal of Petroleum Science and Engineering	0920-4105	JPSEE6
Journal of the Air and Waste Management Association	1047-3289	
Journal of the Institute of Water and Environmental Management	0951-7359	*******
Journal of the Society for Underwater Technology	0141-0814	JSUTDD
Journal of Wildlife Diseases	0090-3558	JWIDAW
Kieler Meeresforschungen		KMEEAO
Letters in Applied Microbiology	0266-8254	LAMIE7
MMWR Morbidity and Mortality Weekly	0149-2195	
MRS Bulletin	0883-7694	
Magyar Kemiai Folyoirat	0025-0155	MGKFA3
Marine and Petroleum Offshore Geology	0264-8172	MPEGD8
Marine Biology	0025-3162	MBIOAJ
Marine Chemistry	0304-4203	MRCHBD
Marine Ecology	0173-9565	MAECDR
Marine Ecology Progress Series	0171-8630	MESEDT
Marine Engineers' Review	0047-5955	
Marine Environmental Research	0141-1136	MERSD
Marine Log	0897-0491	100000
Marine Mammal Science	0824-0469	MMSCEC
Marine Pollution Bulletin	0025-326X	MPNBAZ
Marine Science Bulletin Haiyang Tongbao	1001-6392	

Title	ISSN	CODEN
Marine Technology Society Journal	0025-3324	MTSJBB
Maritime Policy Management	0308-8839	
Microbial Ecology	0095-3628	MCBEBU
Mycologia	0027-5514	MYCOAE
Mycologia	0027 5514	MICOIL
National Fisherman	0027-9250	
Nature	0028-0836	NATUAS
Netherlands Journal of Sea Research	0077-7579	NJSRBA
New Scientist	0262-4079	
Nippon Suisan Gakkaishi [Bulletin of the Japanese Society of Scientific		
Fisheries]	0021-5392	
1 isheres	0021 0072	
Ocean Development and International Law	0090-8320	
Ocean Engineering	0029-8018	
Ocean Industry	0029-8026	OCIDAI
Oceanologica Acta	0399-1784	OCACD9
Oceanus	0029-8182	OCEAAK
Offshore International	0003-0608	OCLINIC
Ohio Journal of Science	0030-0950	OJSCA9
Oil and Chemical Pollution	0269-8579	OCPOEJ
Oil and Gas Journal	0030-1388	OIGJAV
Oilfield Review	0923-1730	0103711
Okeanologiya	0030-1574	OKNOAR
Organic Geochemistry	0146-6380	OILIOIL
Organic Mass Spectrometry	0030-493X	ORMSBG
Organic Mass spectrometry	0030- 4 237	OKIMODO
Petroleum Engineer International	0164-8322	PENGA6
Petroleum Review	0020-3076	
Polar Biology	0722-4060	POBIDP
Polar Record	0032-2474	
Proceedings of the Indian Academy of Sciences: Chemical Sciences	0253-4134	PIAADM
Proceedings of the Symposium on Coastal and Ocean Management		COZODK
Process Biochemistry	0032-9592	PRBCAP
1.00000 Brotherman		
SFI Bulletin	0085-6592	
SPE Drilling Engineering		SDENEC
SPE Production Engineering		SPENES
Science	0036-8075	SCIEAS
Science News	0036-8423	
Science of the Total Environment	0048-9697	STEVA8
Scientific American	0036-8733	SCAMAC
Sea Technology	0093-3651	SEATAD
Search	0004-9549	2237777
Separation Science and Technology	0149-6395	SSTEDS
Society of Petroleum Engineers AIME Paper	0117 0373	SEAPAZ
Soviet Journal of Ecology	0096-7807	SJECAH
Some Journal of Leology	0020 1001	U.L.C.
Talanta	0039-9140	TLNTA2
Technisch Rapport Vogelbeschirming	0924-5103	,==
Texas Parks and Wildlife	0040-4586	
Transactions of Oceanology and Limnology Haiyang Huzhao Tongbao	1001-6392	
Trends in Biotechnology	0167-9430	TRBIDM
Treate in Diocetinology	0.01 2 TOU	

Title	ISSN	CODEN
Veterinary Pathology	0300-9858	VTPHAK
Veterinary Record: Journal of the British Veterinary Association	0042-4900	VETRAX
Vibrational Spectroscopy	0924-2031	
Vrachebnoe Delo	0049-6804	VRDEA5
Water, Air and Soil Pollution	0049-6979	WAPLAC
Water Pollution Research Journal of Canada	0705-288X	WPRCAW
Water Research	0043-1354	WATRAG
Water Resources Research	0043-1397	WRERAQ
Water Science and Technology	0273-1223	WSTED4
Zeitschrift für Pflanzenernahrung und Bodenkunde	0044-3263	ZPBOAL



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The **MMS Royalty Management Program** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.