



**James M. Brooks  
President & C.O. O.**

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**PROFESSIONAL EXPERIENCE:**

- President & C.O.O, TDI - Brooks International Inc., 1996-Present.
- Director, B&B Laboratories Inc., 1996-Present.
- President, GEO3 Inc., 1998-Present.
- Senior Scientist, Arctic Research Institute, University of Alaska-Fairbanks, UAF, 1996-2000.
- Director, Geochemical and Environmental Research Center, TAMU, 1987-Sept. 1995.
- Director, Geochemical and Environmental Research Group, TAMU, 1984-Sept. 1995.
- Faculty of Toxicology Member, Texas A&M University, TAMU, 1994-2000.
- Senior Research Scientist and Senior Lecturer, Oceanography, TAMU, 1985-1996.
- Associate Research Scientist, Oceanography, Texas A&M University, 1981-1985.
- Lecturer, Oceanography, Texas A&M University, 1979-1996.
- Assistant Research Scientist, Oceanography, Texas A&M University, 1976-1980.
- Graduate Faculty Member, Texas A&M University, 1978-2000.
- Research Associate, Oceanography, Texas A&M University, 1973-1976.
- Research Associate, Ocean Affairs Board of the National Academy of Sciences, 1973.
- Research Associate, Oceanography, Texas A&M University, 1969-1972.

**PROFESSIONAL SUMMARY**

Dr. Brooks is President of TDI-Brooks International, Inc. a company specializing in offshore research and survey studies for federal/state agencies as well as the oil industry. TDI-Brooks was founded in May 1996. The company owns and operates four (4) multi-use oceanographic research vessels.

Dr. Brooks was the founder and Director of GERG at TAMU until Sept. 1995. As Director between 1975 and 1996, he built an organization specializing in high quality analytical, oceanographic and environmental research and services with annual revenues between 1991 and 1995 of around \$10 million/year. In August 1995, he directed a staff of ~130 people, including 28 Ph.D. level senior personnel, ~60 professional MS- and BS-level full-time research scientists and ~40 other staff. He has been Project Director on many federal projects for the National Oceanic and Atmospheric Administration (NOAA), the US Environmental Protection Agency (USEPA), Office of Naval Research (ONR), the Minerals Management Service (MMS), Bureau of Ocean Energy Mgt (BOEM) the US Fish and Wildlife Service (USFWS), and other state and federal agencies. He has extensive experience in the management of large environmental and oceanographic projects as well as the technical competency in environmental and geochemistry, surface geochemical exploration, oil spill assessment, gas hydrates, chemosynthetic ecosystems, stable isotope geochemistry, and oceanography. He has academic credentials consisting of 210+ peer-review publications including numerous publications in prestigious journals such as Science and Nature. He has served on many national committees, conferences and workshops. He has chaired 19 M.S. and Ph.D. committees at TAMU. He has won the Faculty Distinguished Achievement Award for Research



awarded annually by the Association of Former Students of Texas A&M University. He previously held an appointment in the Faculty of Toxicology at Texas A&M University as well as an Advisory Council Member, Southeast Advisory Council for Undersea Research and Education (SEACURE) for NOAA's Undersea Research Center at UNCW (NURC).

Dr. Brooks continues to manage federal projects such as the NOAA National Status and Trends (NS&T) Mussel Watch project, which is the premier, long standing coastal environmental monitoring program in the nation. He is in his 20+ year of management of this project. He is also involved in the commercial and/or technical management of generally over \$30 million yearly of industry sponsored projects many of which are multidisciplinary. Dr. Brooks has been conducting research and oil industry-sponsored service projects in the Gulf of Mexico for the last 35+ years.

As part of his surface geochemical exploration (SGE) studies, which he developed for industry in the early 1980's, he has collected 10,000+ cores in the Gulf, mostly in the deep water. These SGE coring studies resulted and contributed to the discoveries of macro oil seepage, chemosynthetic communities, and gas hydrates in the Gulf of Mexico. He was a co-discoverer of oil seep and chemosynthetic communities in the deep water Gulf of Mexico in 1985. He made the first discoveries of thermogenic gas hydrates in the deep water Gulf of Mexico that was published in Science as well as participated in the initial discoveries of other oil-seep related phenomena including oil-stained cores on the continental slope, widespread occurrence of shallow and outcropping gas hydrates, brine seepage, and visible oil seepage to the sea surface. In the late 80's and early 90's he was awarded extensive NOAA National Undersea Research Program (NURP) JOHNSON SEA-LINK, ALVIN, and Navy NR-1 submersible dive time in the Gulf of Mexico.

#### **SELECTED PROFESSION ACTIVITIES/AWARDS:**

- Advisory Council Member, SouthEast Advisory Council for Undersea Research and Education (SEACURE) for NOAA's Undersea Research Center at UNCW (NURC), January 2005 to 2007.
- Invited Member, Consortium of Oceanographic Research and Education (CORE), Economic Development Committee, Partnership for Stakeholders in the Ocean's Report, July 1995.
- Invited Participant, Int'l Arctic Monitoring and Assessment Program Meeting, Tromsø, Norway, March 1993.
- Organizing Committee Member, Second International Ocean Pollution Symposium (2IOPS), 1993.
- U.S. EPA, Science Advisory Board, Ecological Processes and Effects Committee, Marine Monitoring Task Group; member of a review team for draft monitoring guidance document for the National Estuary Program, 1991.
- Estuarine Assessment and Contaminant Problem Identification, Member, EPA-sponsored workshop, Biloxi, MS, 23 - 25 April, 1991.
- Ad Hoc Advisory Committee on the NOAA Undersea Research Program (NURP), 1991.
- Marine Organic Geochemistry Workshop, December 1990, Honolulu, HA, sponsored by NSF and ONR; Invited participant, December 1990.
- Faculty Distinguished Achievement Award for Research - Association of Former Students of Texas A&M University, May 1988.



- Organic Geochemist, Deep Sea Drilling Project, Leg 96, 1983.
- National Science Foundation, Marine Chemistry Proposal Review Panelist, August 1984.
- Executive Committee Member, Third International Ocean Dumping Symposium, Woods Hole, Mass., 1981.

#### **SELECTED CONSULTING INCLUDING:**

- California Fish and Game Commission, Office of Oil Spill Prevention & Response (OSPR) through Hagler Bailly Consulting, Inc., Consultant on the Unocal/Guadalupe Natural Resource Damage Assessment, 1996.
- SAIC for MMS Phase III Project entitled "Monitoring Assessment of Long-Term Changes in Biological Communities in the Santa Marina Basin" - Member of Quality Review Board, 1993-1995.
- Lillick & Charles, Consultant on alleged 1991 SAMMI SUPERSTARS oil spill in Los Angeles Harbor, 1992-1996.
- Exxon Company USA, Background technical report on Hydrocarbons in Subtidal Sediments - Temporal and Polar Climates, 1990.
- Technical Resources Inc., Evaluation of the hydrocarbon chemistry aspects of oil spill fisheries interactive models for a MMS contract, 1987.
- Continental Shelf Associates, Summary of existing knowledge of hydrocarbon chemistry and chemosynthetic communities in the Gulf of Mexico for a MMS contract, 1987.
- Exxon Production Research, Oil dispersant review, 1985.
- Saudi Arabian Ministry of Health through Morgan-Newman Associates, Contaminant testing for Arabian Gulf fisheries, 1984.

#### **FORMAL EDUCATION:**

- *Abilene Christian University*  
Department of Chemistry  
Abilene, Texas  
B.S., Chemistry, 1969
- *Texas A&M University*  
Department of Oceanography  
College Station, Texas 77845  
M.S., Oceanography, 1970
- *Texas A&M University*  
Department of Oceanography  
College Station, Texas 77845  
Ph.D., Oceanography, 1975

#### **MANAGEMENT STRENGTHS:**

- Providing leadership and vision for organizational growth in the environmental and geochemical arenas.
- Managed one of the world's premier environmental and geochemical research organizations with core competencies in high quality environmental analysis, oceanographic field



operations often in remote environments, petroleum geochemistry including surface geochemical exploration, marine surveys, and multidisciplinary project management.

- Demonstrated ability to manage as Project Director large multidisciplinary environmental and oceanographic programs for federal and state agencies.
- Extensive experience in the management of field operation in remote regions as well as coastal sampling.
- Demonstrated ability to manage a domestic and international marketing team consisting of industrial and federal project development personnel and scientist.
- Demonstrated ability to manage a diverse trace organic and geochemical analytical laboratory.
- Has a network of academic and industrial scientists from past projects that can be brought together, often on an exclusive basis, to form strong project teams for multidisciplinary projects.

#### **TECHNICAL STRENGTHS:**

- Technical specialties in environmental chemistry, surface geochemical exploration, oil spill assessment, gas hydrates, chemosynthetic ecosystems, stable isotope geochemistry, and oceanography.
- Project Management experience for a number of major federal projects including:
  - Six periods (1984-2018) of NOAA's National Status and Trends Mussel Watch Project (\$0.5 to 1.0 million/ years for 25 years);
  - EPA's Environmental Monitoring and Assessment Program (EMAP) – Near Coastal (\$3 million/3 years);
  - MMS's Chemosynthetic Ecosystems Study (\$1.3 million/3 years);
  - ONR's Arctic Nuclear Waste Assessment Project (a number of separate projects - \$2.5 million/3 years);
  - EPA's Arctic Contaminants Research Program (\$700,000/3 years);
  - USFWS's Contract Laboratory Program for Both Trace Organics and Trace Metals (\$8 million over 5 years);
  - MMS's "Gulf of Mexico Benthic Slope Study" (~\$800,000/4 years); and
  - Numerous other NSF, DOE, EPA and other federal agency projects.
- Oil spill response, fingerprinting and NRDA expertise and experience including:
  - Extensive analytical work for both the Trustee's and Exxon Company USA for the EXXON VALDEZ NRDA;
  - Response to numerous oil spills including MEGA BORG, BAHIA PARISO, APEX Barge, Neah Bay, IXTOC-I, etc.; and
  - Oil spill dispersant research for Exxon, MSRC and the Texas General Land Office.
- Development of widely used surface geochemical exploration techniques that have generated nearly \$20 million of revenue over the last 15 years.
- Development of oil, rock and seep petroleum geochemistry correlation studies that have generated over \$2 million of revenue.
- The supervision and production of complex multidisciplinary proposal, technical reports, peer-reviewed articles and synthesis reports.
- Making presentations at national and international meeting for both marketing and scientific purposes.



## **PUBLICATIONS:**

Over 210 peer-reviewed publications including:

Brooks, J.M., Deep methane maxima in the northwestern Caribbean Sea: possible seepage on the Jamaica Ridge, Science, 206: 1069-1071, 1979.

Brooks, J.M., D.A. Wiesenburg, R.A. Burke, and M.C. Kennicutt II, Gaseous and volatile hydrocarbon inputs from a subsurface oil spill in the Gulf of Mexico, Environmental Science and Technology, 15(8): 951-959, 1981.

Burke, R.A., J.M. Brooks, and W.M. Sackett, Light hydrocarbons in Red Sea brines and sediments, Geochimica et Cosmochimica Acta, 45(5): 627-634, 1981.

Brooks, J.M., D.F. Reid, and B.B. Bernard, Methane in the upper water column of the northwestern Gulf of Mexico, Journal of Geophysical Research, 86(11): 11029-11040, 1981.

Wiesenburg, D.A., J.M. Brooks, and R.A. Burke, Jr., Gaseous hydrocarbons around an active offshore gas and oil field, Environmental Science and Technology, 16(5): 278-282, 1982.

Brooks, J.M., D.A. Wiesenburg, G. Bodennec, and T.C. Sauer III, Volatile organic wastes at the Puerto Rico dumpsite. In Wastes in the Ocean, Vol. I, edited by I.W. Duedall, B.H. Ketchum, P.K. Park, and D.R. Kester, John Wiley & Sons, pp. 171-200, 1983.

Brooks, J.M., L.A. Barnard, D.A. Wiesenburg, M.C. Kennicutt II, and K.A. Kvenvolden, Molecular and isotopic compositions of hydrocarbons at Site 533, DSDP Leg 76. In Initial Reports of the Deep Sea Drilling Project, 76, edited by R.E. Sheridan, F.M. Gradstein, et al., U.S. Govt. Printing Office, Washington, pp. 377-389, 1983.

Wiesenburg, D.A., and J.M. Brooks, Eddy-enhanced dispersion of ocean-dumped organic waste at Deep Water Dumpsite - 106, Canadian Journal of Fisheries and Aquatic Science, 40(2): 248-261, 1983.

Jeffrey, A.W.A., R.C. Pflaum, J.M. Brooks, and W.M. Sackett, Vertical trends in particulate organic carbon <sup>13</sup>C:<sup>12</sup>C ratios in the upper water column, Deep-Sea Research, 30(9): 971-983, 1983.

Kennicutt, M.C. II, and J.M. Brooks, Relationship between pelagic tar, fluorescence, and biological markers in the South Atlantic Ocean, Marine Pollution Bulletin, 14(9): 335-342, 1983.

Brooks, J.M., M.C. Kennicutt II, R.R. Fay, T.J. McDonald, and R.A. Sassen, Thermogenic gas hydrates in the Gulf of Mexico, Science, 225: 409-411, 1984.



- Bidigare, R.R., M.C. Kennicutt II, and J.M. Brooks, Rapid determination of chlorophylls and their degradation products by high-performance liquid chromatography, Limnology and Oceanography, **30**, 434-437, 1985.
- Trees, C.C., M.C. Kennicutt II, and J.M. Brooks, Errors associated with the standard fluorometric determinations of chlorophylls and phaeopigments, Marine Chemistry, **16**, 1-12, 1985.
- Wiesenburg, D.A., J.M. Brooks, and B.B. Bernard, Biogenic hydrocarbon gases and sulfate reduction in the Orca Basin brine, Geochimica et Cosmochimica Acta, **49**(10): 2069-2080, 1985.
- Kennicutt, M. C. II, J. M. Brooks, R. R. Bidigare, R. R. Fay, T. L. Wade, and T. J. McDonald, Vent type taxa in a hydrocarbon seep region on the Louisiana slope, Nature, **317**: 351-353, 1985.
- Brooks, J.M., M.C. Kennicutt II, R.R. Bidigare and R.A. Fay, Hydrates, oil seepage and chemosynthetic ecosystems on the Gulf of Mexico slope, EOS, **66**(10): 105, 1985.
- Trees, C.C., R.R. Bidigare, and J.M. Brooks, Distribution of chlorophylls and phaeopigments in the northwestern Atlantic Ocean, Journal of Plankton Research, **8**(3): 447-458, 1986.
- Bidigare, R.R., T. Frank, C. Zastrow, and J.M. Brooks, The distribution of algal chlorophylls and their degradation products in the Southern Ocean, Deep-Sea Research, **33**: 923-937, 1986.
- Brooks, J.M., M.C. Kennicutt II, and B.D. Carey, Jr., Offshore surface geochemical exploration, Oil and Gas Journal, **84**(42): 66-72, 1986.
- Childress, J.J., C.R. Fisher, J.M. Brooks, M.C. Kennicutt II, R. R. Bidigare, and A. Anderson, A methanotrophic marine molluscan symbiosis (*Bivalvia Mytilidae*): Mussels fueled by gas, Science, **233**: 1306-1308, 1986.
- Brooks, J.M., H.B. Cox, W.R. Bryant, M.C. Kennicutt II, R.G. Mann, and T.J. McDonald, Association of gas hydrates and oil seepage in the Gulf of Mexico, Organic Geochemistry, **10**: 221-234, 1986.
- Kennicutt, M. C. II, J. L. Sericano, T. L. Wade, F. Alcazar, and J. M. Brooks, High molecular weight hydrocarbons in Gulf of Mexico continental slope sediments, Deep-Sea Research, **34**(3A): 403-424, 1987.
- Kennicutt, M.C. II, G.J. Denoux, J.M. Brooks, and W.A. Sandberg, Hydrocarbons in Mississippi fan and intraslope basin sediments, Geochimica et Cosmochimica Acta, **51**: 1457-1466, 1987.
- Lacerda, C.P., M.C. Kennicutt II, and J.M. Brooks, The distribution of dibenzothiophenes in Gulf of Mexico sediments, Applied Geochemistry, **2**(3): 297-304, 1987.





- Brooks, J.M., M.C. Kennicutt, C.R. Fisher, S.A. Macko, K. Cole, J.J. Childress, R.R. Bidigare, and R.D. Vetter, Deep-sea hydrocarbon seep communities: Evidence for energy and nutritional carbon sources, *Science*, 238: 1138-1142, 1987.
- Kennicutt, M.C. II, J.M. Brooks, E.A. Atlas, and C.S. Giam, Organic compounds of environmental concern in the Gulf of Mexico: a review, *Aquatic Toxicology*, 11(1): 191-212, 1988.
- Kennicutt, M.C. II and J.M. Brooks, Surface geochemical exploration studies predict API gravity, offshore California, *Oil and Gas Journal*, 86(37): 101-106, 1988.
- Wade, T.L., E.L. Atlas, J.M. Brooks, M.C. Kennicutt II, R.G. Fox, J. Sericano, B. Garcia-Romero, and D. DeFrietas, NOAA Gulf of Mexico Status and Trends Program: trace organic contaminant distribution in sediments and oysters, *Estuaries*, 11: 171-179, 1988.
- Kennicutt, M.C. II, J.M. Brooks, R.R. Bidigare, and G.J. Denoux, Gulf of Mexico hydrocarbon seep communities. I. Regional distribution of hydrocarbon seepage and associated fauna, *Deep-Sea Research*, 35: 1639-1651, 1988.
- Wade, T.L., B. Garcia-Romero, and J.M. Brooks, Tributyltin contamination in bivalves from U.S. coastal estuaries, *Environmental Science and Technology*, 22: 1488-1493, 1988.
- Kennicutt, M.C. II and J.M. Brooks, Relationship between shallow sediment bitumens and deeper reservoired hydrocarbons: Offshore Santa Maria basin, *Applied Geochemistry*, 3(6): 573-582, 1988.
- Brooks, J.M., E.N. Powell, M.C. Kennicutt II, R.S. Carney, I. Rosman, S.J. McDonald, R.R. Bidigare, and T.L. Wade, Gulf of Mexico hydrocarbon seep ecosystem studies. In NOAA Symposium Series for Undersea Research, 6(2): 119-135, 1988.
- Kennicutt, M.C. II, J.M. Brooks, S. Macko, and R.R. Bidigare, An upper slope "cold" seep community: northern California, *Limnology and Oceanography*, 34(3): 635-640, 1989.
- Wade, T.L., M.C. Kennicutt, and J.M. Brooks, Gulf of Mexico hydrocarbon seep communities: III. Aromatic hydrocarbon concentrations in organisms, sediments and water, *Marine Environmental Research*, 27: 19-30, 1989.
- Alcazar, F., M.C. Kennicutt II and J.M. Brooks, Benthic tars in the Gulf of Mexico: Chemistry and sources, *Organic Geochemistry*, 14(4): 433-440, 1989.
- MacDonald, I., J.S. Baker, G.S. Boland, J.M. Brooks, M.C. Kennicutt II, and R.R. Bidigare, Gulf of Mexico hydrocarbon seep communities: II. Seep organisms and hydrocarbons at Bush Hill, *Marine Biology*, 101: 235-247, 1989.



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- Fisher, C.R., M.C. Kennicutt, and J.M. Brooks, Carbon isotopic evidence for carbon limitation in hydrothermal vent Vestimentiferans, Science, 247: 193-197, 1990.
- MacDonald, I.R., J.F. Reilly II, N.L. Guinasso, Jr., J.M. Brooks, R.S. Carney, W.A. Bryant, and T.J. Bright, Chemosynthetic mussels at a brine-filled pockmark in the northern Gulf of Mexico, Science, 248: 1096-1099, 1990.
- Brooks, J.M., M.C. Kennicutt II, T.L. Wade, A.D. Hart, G.J. Denoux, and T.J. McDonald, Hydrocarbon distributions around a shallow water multiwell platform, Environmental Science and Technology, 24(7): 1079-1085, 1990.
- Brooks, J.M., D.A. Wiesenburg, H. Roberts, R.S. Carney, I.R. MacDonald, R.A. Burke, Jr., P. Ahron, and T.J. Bright, Salt, seeps and symbiosis in the Gulf of Mexico: a preliminary report of deep water discoveries using DSV Alvin, EOS, Transactions Am. Geophysical Union, 74(45): 1772-1773, 1990.
- Sericano, J.L., T.L. Wade, E.L. Atlas, and J.M. Brooks, Historical perspective on the environmental bioavailability of DDT and its derivatives to Gulf of Mexico oysters, Environmental Science and Technology, 24: 1541-1548, 1990.
- Kennicutt, M.C. II, J.M. Brooks, and T.J. McDonald, Origins of hydrocarbons in Bering Sea sediments --- I. Aliphatic hydrocarbons and fluorescence, Organic Geochemistry, 17(1): 75-83, 1991.
- Brooks, J.M., M.E. Field, and M.C. Kennicutt II, Observations of gas hydrates offshore northern California, Marine Geology, 96: 103-109, 1991.
- Brooks, J.M., M.A. Champ, T.L. Wade, and S.J. McDonald, GEARS: Response strategy for oil and hazardous spills, Sea Technology, 25-32, April 1991.
- Wade, T.L., B. Garcia-Romero, and J.M. Brooks, Oysters as biomonitors of butyltins in the Gulf of Mexico, Marine Environmental Research, 32: 233-241, 1991.
- Kennicutt, M.C. II, T.J. McDonald, P.A. Comet, G.J. Denoux, and J.M. Brooks, The origins of petroleum in the northern Gulf of Mexico, Geochimica et Cosmochimica Acta, 56(3): 1259-1280, 1992.
- Sericano, J.L., T.L. Wade, A.M. El-Husseini, and J.M. Brooks, Environmental significance of the uptake and depuration of planar PCB congeners by the American oyster, *Crassostrea virginica*, Marine Pollution Bulletin, 24: 537-543, 1992.





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- Kennicutt, M.C. II, R.A. Burke, I.R. MacDonald, J.M. Brooks, G.J. Denoux, and S.A. Macko, Stable isotope partitioning in seep and vent organisms: chemical and ecological significance, Chemical Geology (Isotope Geoscience Section), **101**: 293-310, 1992.
- McDonald, S.J., M.C. Kennicutt, and J.M. Brooks, Evidence for polycyclic aromatic hydrocarbon (PAH) exposure in fish from the Antarctic peninsula, Marine Pollution Bulletin, **25**: 313-317, 1992.
- Childress, J.J., R.W. Lee, N.K. Sanders, H. Feldbeck, D.R. Oros, A. Toulmond, D. Desbruyeres, M.C. Kennicutt, and J.M. Brooks, Inorganic carbon uptake in hydrothermal vent tubeworms facilitated by high environmental pCO<sub>2</sub>, Nature, **362**(6416): 147-149, 1993.
- Krahn, M.M., G.M. Ylitalo, J. Buzitis, S-L Chan, U. Varanasi, T.L. Wade, T.J. Jackson, J.M. Brooks, D.A. Wolff, and C.A. Manen, Comparison of HPLC/Fluorescence screening and GC/MS analysis for aromatic compounds in sediments sampled after the EXXON VALDEZ oil spill, Environmental Science and Technology, **27**(4): 699-708, 1993.
- Sassen, R., J.M. Brooks, M.C. Kennicutt, I. MacDonald, and N.L. Guinasso, Jr., How oil seeps, discoveries relate in the deep-water Gulf of Mexico, Oil and Gas Journal, pp. **64-69**, April 19th, 1993.
- Sericano, J.L., T.L. Wade, J.M. Brooks, E.L. Atlas, R.R. Fay, and D.L. Wilkinson, National status and trends mussel watch program: chlordane-related compounds in Gulf of Mexico oysters, 1986-1990, Environmental Pollution, **82**: 23-32, 1993.
- Garcia-Romero, B., T.L. Wade, G.G. Salata, and J.M. Brooks, Butyltin concentrations in oysters from the Gulf of Mexico during 1989-1991, Environmental Pollution, **81**: 103-111, 1993.
- MacDonald, I.R., N.L. Guinasso, S.G. Ackleson, J.F. Amos, R. Duckworth, R. Sassen and J.M. Brooks, Natural oil slicks in the Gulf of Mexico visible from space, Journal of Geophysical Research, **98**(9): 16,351-16,364, 1993.
- Kennicutt, M.C. II, J.M. Brooks, and H. Benjamin Cox, The origin and distribution of gas hydrates in Marine Sediments. In Organic Geochemistry, edited by M.H. Engel and S.A. Macko, Plenum Press, New York, Chapter 24, pp. 535-544, 1993.
- Comet, P.A., J.K. Rafalska and J.M. Brooks, Sterane and triterpane patterns as diagnostic tools in the mapping of oils, condensates and source rocks of the Gulf of Mexico region, Organic Geochemistry, **20**(8): 1265-1296, 1993.
- Fisher, C.R., J.M. Brooks, J.S. Vodenichar, J.M. Zande, J.J. Childress and R.A. Burke Jr., The co-occurrence of methanotrophic and chemoautotrophic sulfur-oxidizing bacterial symbionts in a deep-sea mussel, Marine Ecology, **14**(4): 277-289, 1993.



- 166 hydrothermal vent communities: interferences from stable carbon and nitrogen isotope analysis, Marine Ecology, **103**: 45-55, 1994.
- Brooks, J.M., A.L. Anderson, R. Sassen, I.R. MacDonald, M.C. Kennicutt II and N.L. Guinasso, Jr., Hydrate occurrences in shallow subsurface cores from the continental slope sediments, Annals of the New York Academy of Sciences: **715**: 381-391, 1994.
- MacDonald, I.R., N.L. Guinasso, Jr., R. Sassen, J.M. Brooks, L. Lee and K.T. Scott, Gas hydrates that breaches the sea floor on the continental slope of the Gulf of Mexico, Geology, **22**: 699-702, 1994.
- Sericano, J.L., S.H. Safe, T.L. Wade and J.M. Brooks, Toxicological significance of non-, mono- and di-ortho substituted polychlorinated biphenyls in oysters from Galveston and Tampa Bays, Environmental Toxicology and Chemistry, **13** (11): 1797-1803, 1994.
- Ukpabio, E., P.A. Comet, R. Sassen and J.M. Brooks, Triterenes in a Nigerian oil, Organic Geochemistry, **22** (2): 323-329, 1994
- Sericano, J.L., S.H. Safe, T.L. Wade and J.M. Brooks, Toxicological significance of non-, mono- and diorthosubstituted polychlorinated biphenyls in oysters from Galveston and Tampa Bays, Environmental Toxicology and Chemistry, **31**: 1797-1803, 1994.
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- Salata, G.G., T.L. Wade, J.L. Sericano, J.W. Davis and J.M. Brooks, Analysis of Gulf of Mexico bottlenose dolphins for organochlorine pesticides and PCBs, Environmental Pollution, **88**: 167-175, 1995.
- Kennicutt, M.C. II, W.W. Schroeder and J.M. Brooks, Temporal and spatial variations in sediment characteristics on the Mississippi-Alabama continental shelf, Continental Shelf Research, **15**(1): 1-18, 1995.
- Champ, M.A., J.M. Brooks, V.V. Makeyev, T.L. Wade, M.C. Kennicutt II and M. Baskaran, Preliminary results of studies of industrial and nuclear contaminants in the Ob and Yenisey Rivers and the Kara Sea to assess the environmental and human health risks in the Russian Arctic. In Ocean Pollution in the Arctic North and the Russian Far East: Proceedings from the Ocean Pollution Session of the Conference "Bridges of Science Between North America and the Russia Far East, Vladivostok, Russia, 1 September 1994, edited by E.J. Kirk, American Association for the Advancement of Science, pp. 28-65, 1995.
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