

DONALD M. ANDERSON

April 21, 2015

Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

- B.S. Mechanical Engineering, Massachusetts Institute of Technology, 1970
M.S. Civil and Environmental Engineering, Massachusetts Institute of Technology, 1976
Ph.D. Aquatic Sciences, Department of Civil and Environmental Engineering, Massachusetts Institute of Technology, 1977

Director, Cooperative Institute for the North Atlantic Region, 2009-present
Director, Coastal Ocean Institute, Woods Hole Oceanographic Institution, 2004-2008
Director, U.S. National Office for Harmful Algal Blooms (1995-present)
Senior Scientist, Woods Hole Oceanographic Institution, 1991-present
Associate Scientist, Woods Hole Oceanographic Institution, 1983-1991; tenure 1987
Assistant Scientist, Woods Hole Oceanographic Institution, 1979-1983
Postdoctoral Investigator, Woods Hole Oceanographic Institution, 1978-1979
Instructor, Massachusetts Institute of Technology Department of Civil Engineering, 1978

PROFESSIONAL SOCIETIES:

American Society of Limnology and Oceanography
Phycological Society of America
International Society for the Study of Harmful Algae (Member, ISSHA Council)
The Oceanography Society

**NATIONAL AND INTERNATIONAL COMMITTEES, WORKSHOPS, AND
DISTINCTIONS (SELECTED):**

Recipient, Stanley W. Watson Chair for Excellence in Oceanography, 1993
Recipient, NOAA Environmental Hero Award (1999)
Recipient, Yasumoto Lifetime Achievement Award, ISSHA (2006)
Recipient, Dr. David L. Belding Award, Massachusetts Marine Fisheries Advisory Commission (2005)
Bruun Memorial Medal, Bruun Memorial Lecture. IOC Assembly, Paris, France, 2005
Member, National Research Council Committee on the Causes and Management of Coastal Eutrophication (1998-1999)
Director, NATO Advanced Study Institute on the Physiological Ecology of Harmful Algal Blooms, Bermuda (1996)
Chairman, SCOR Working Group on Harmful Algal Blooms (1992-1996)
U.S. Representative, Working Group on the Dynamics of Harmful Algal Blooms, International Council for Exploration of the Seas (ICES) (1986-present)
Member, PICES Working Group #15, Ecology of Harmful Algal Blooms (1999-present).
U.S. Delegate to the IOC Intergovernmental Panel on Harmful Algal Blooms (1992-present)
Chairman, Ad Hoc Group of Experts on Harmful Algal Blooms, Intergovernmental Oceanographic Commission (1989)

Fellow, Cooperative Institute for Climate and Ocean Research (CICOR), a Joint Institute of the Woods Hole Oceanographic Institution and the National Oceanic and Atmospheric Administration (1999-2002)

Member, Scientific Steering Committee, GEOHAB (The Global Ecology and Oceanography of Harmful Algal Blooms) (1998-2003)

International Organizing Committees, Toxic Marine Phytoplankton Conferences, Nos. 3-15 (1985-present)

Testimony before the Subcommittee on Oceans and Fisheries of the Committee on Commerce, Science, and Transportation, United States Senate 105th Congress, Second Session, May 20, 1998.

Testimony for US Commission on Ocean Policy, 2002; prepared White Paper on Harmful Algal Blooms for inclusion in the Commission's report "Oceans and Human Health".

Testimony before the Committee on Science, Subcommittee on Environment, Technology and Standards, U.S. House of Representatives Hearing on the "Harmful Algal Bloom and Hypoxia Research Amendments Act of 2003", March 13, 2003.

Testimony before the Subcommittee on Fisheries Conservation, Wildlife and Oceans, U.S. House of Representatives Hearing on H.R. 1856, the Harmful Algal Bloom and Hypoxia Research Amendments Act of 2003, February 26, 2004.

Testimony, Subcommittee on Energy and Environment Hearing, "Harmful Algal Blooms: The Challenges on the Nation's Coastline", Washington, DC, July 10, 2008

Testimony, Subcommittee on Energy and Environment Hearing, "Harmful Algal Blooms and Hypoxia: Formulating an Action Plan", Washington, DC, September 17, 2009.

Testimony, Ocean Policy Task Force Public Meeting, Providence, RI, September 24, 2009.

Testimony, Subcommittee on Energy and Environment Hearing, "The Harmful Algal Blooms and Hypoxia Research and Control Amendments Act of 2011", Washington, DC, June 1, 2011.

Briefing before the House Science Committee, "Coastal Nutrient Pollution and Harmful Algal Blooms", September 24, 2003.

Briefing before New England congressional staffers, "The 2005 New England red tide", June 14, 2005.

Congressional briefings, "Harmful Algal Blooms (Red Tides) and Ocean Health", House of Representatives, and U.S. Senate, June 23, 2005.

Briefing for Senate Subcommittee on Oceans Atmosphere, Fisheries and Coast Guard, October 2007

U.S. Representative, WESTPAC Task Team on Red Tides, Intergovernmental Oceanographic Commission (1985 – 1989).

Editorial Board member, Journal of Phycology (1986-1989)

Associate Editor, Journal of Phycology (1993-1996)

Editorial Board: Protist (1999-2004)

Editorial Board: Harmful Algae (2001-present)

Editorial Board: Marine Biotechnology and Molecular Biology (1990-1995)

PATENTS:

Genetic markers and methods of identifying *Alexandrium (Dinophyceae)* species. U.S. Patent No. 5,582,983. 12/10/96

COURSES TAKEN:

“Energetics and Transport in Aquatic Plants,” J. Raven. Marine Biological Laboratory (1982).

“Workshop on Temperate Dinoflagellates,” F.J.R. Taylor. Friday Harbor Laboratories (1983).

“Quantitative Light Microscopy in Biology, Medicine, and Materials Science,” S. Inoue. Marine Biological Laboratory (1986).

“Molecular Biology and Biotechnology,” New England Biolabs Foundation; Smith College (1987).

Sabbatical - Department of Cellular and Molecular Biology, Laboratoire Arago, University of Paris 6, Banyuls-sur-mer, France (1989-90).

“Individual Cell and Particle Analysis in Oceanography,” NATO Advanced Study Institute, (October 1990).

“Exon-Intron Molecular Biology” course at Marine Biological Laboratory.

“The Physiological Ecology of Harmful Algal Blooms”, NATO Advanced Study Institute (Director) (May 1996).

PUBLICATIONS AND JOURNALS:

1976 Morel, F. M. M. and D. M. Anderson. On the subject of red tide predictions from temperature patterns. *Limnology and Oceanography* 21(4): 625- 627.

1978 Anderson, D. M. and F. M. M. Morel. Copper sensitivity of *Gonyaulax tamarensis*. *Limnology and Oceanography* 23: 282-295.

1978 Anderson, D. M. and D. Wall. Potential importance of benthic cysts of *Gonyaulax tamarensis* and *G. excavata* in initiating toxic dinoflagellate blooms. *Journal of Phycology* 14: 224-234.

1979 Anderson, D. M. and F. M. M. Morel. Toxic dinoflagellate blooms in the Cape Cod region of Massachusetts. In: D. Taylor and H. H. Seliger, (Eds.), *Toxic Dinoflagellate Blooms, Proc. 2nd Int'l Conf.*, Elsevier-North Holland. pp. 145-150.

1979 Anderson, D. M. and F. M. M. Morel. The seeding of two red tide blooms by the germination of benthic *Gonyaulax tamarensis* hypnocysts. *Estuarine and Coastal Marine Science* 8: 279-293.

1979 Morel, F. M. M., J. G. Rueter, Jr., D. M. Anderson, and R. R. L. Guillard. Aquil: A chemically defined phytoplankton culture medium for trace metal studies. *Journal of Phycology* 15: 135-141.

- 1979 Morel, F. M. M., N. M. L. Morel, D. M. Anderson, D. M. McKnight and J. G. Rueter, Jr. Trace metal speciation and toxicity in phytoplankton cultures. In: F. S. Jacoff, (Ed.). *Advances in Marine Environmental Research*. EPA 600/9-79-035. pp 38-61.
- 1980 Anderson, D. M. The effects of temperature conditioning on the development and germination of *Gonyaulax tamarensis* (*Dinophyceae*) hypnozygotes. *Journal of Phycology* 16: 166-172.
- 1982 Anderson, D. M., D. M. Kulis, J. A. Orphanos, and A. R. Ceurvels. Distribution of the toxic dinoflagellate *Gonyaulax tamarensis* in the southern New England region. *Estuarine, Coastal and Shelf Science* 14: 447-458.
- 1982 Anderson, D. M., D. G. Aubrey, M. A. Tyler, and D. W. Coats. Vertical and horizontal distributions of dinoflagellate cysts in sediments. *Limnology and Oceanography* 27(4): 757-765.
- 1982 Tyler, M. A., D. W. Coats, and D. M. Anderson. Encystment in a dynamic environment: deposition of dinoflagellate cysts by a frontal convergence. *Marine Ecology Progress Series* 7: 163-178.
- 1982 Watras, C. J., S. W. Chisholm, and D. M. Anderson. Regulation of growth in an estuarine clone of *Gonyaulax tamarensis* Lebour: salinity-dependent temperature responses. *Journal of Experimental Marine Biology and Ecology* 62: 25-37.
- 1983 Anderson, D. M., S. W. Chisholm, and C. J. Watras. The importance of life cycle events in the population dynamics of *Gonyaulax tamarensis*. *Marine Biology* 76: 179-183.
- 1983 Turner, J. T. and D. M. Anderson. Zooplankton grazing during dinoflagellate blooms in a Cape Cod embayment, with observations of predation upon tintinnids by copepods. *Marine Ecology* 4: 359-374.
- 1984 Anderson, D. M. Shellfish toxicity and dormant cysts in toxic dinoflagellate blooms. In: E. Ragelis (Ed.). *Seafood Toxins*, ACS. Symposium Series. No. 262. pp. 125-138.
- 1984 Anderson, D. M., J. S. Lively, and R. F. Vaccaro. Copper complexation during spring phytoplankton blooms in coastal waters. *Journal of Marine Research* 42: 677-695.
- 1984 Anderson, D. M., D. M. Kulis, and B. J. Binder. Sexuality and cyst formation in the dinoflagellate *Gonyaulax tamarensis*: Cyst yield in batch cultures. *Journal of Phycology* 20: 418-425.

- 1984 Coats, D. W., M. A. Tyler, and D. M. Anderson. Sexual processes in the life cycle of the bloom-forming dinoflagellate *Gyrodinium uncatenum*: A morphogenetic overview. *Journal of Phycology* 20: 351-361.
- 1984 Stoecker, D. K., L. H. Davis, and D. M. Anderson. Fine scale spatial correlations between planktonic ciliates and dinoflagellates. *Journal of Plankton Research* 6: 829-842.
- 1984 Schrey, S. E., E. J. Carpenter, and D. M. Anderson. The abundance and distribution of the toxic dinoflagellate *Gonyaulax tamarensis* in Long Island estuaries. *Estuaries* 7: 472-477.
- 1984 Anderson, D. M. and B. A. Keafer. The distribution, abundance, and fate of nearshore dinoflagellate cyst accumulations. International Council for the Exploration of the Sea, Biological Oceanography Committee, C.M. 1984/C:6: 1-6.
- 1985 Anderson, D. M. Paralytic shellfish poisoning. In: Colwell, R.R. (Ed.), *Nature Toxins and Human Pathogens in the Marine Environment*. University of Maryland, College Park, MD.
- 1985 Anderson, D. M. and N. L. Lindquist. Time-course measurements of phosphorus depletion and cyst formation in the dinoflagellate *Gonyaulax tamarensis* Lebour. *Journal of Experimental Marine Biology and Ecology* 86: 1-13.
- 1985 Anderson, D. M., J. S. Lively, E. M. Reardon, and C. A. Price. Sinking characteristics of dinoflagellate cysts. *Limnology and Oceanography* 30: 1000-1009.
- 1985 Anderson, D. M., D. W. Coats, and M. A. Tyler. Encystment of the dinoflagellate *Gyrodinium uncatenum*: Temperature and nutrient effects. *Journal of Phycology* 21: 200-206.
- 1985 Anderson, D. M. and K. D. Stolzenbach. Selective retention of two dinoflagellates in a well-mixed estuarine embayment: the importance of diel vertical migration and surface avoidance. *Marine Ecology Progress Series* 25: 39-50.
- 1985 Anderson, D. M. and B. A. Keafer. Dinoflagellate cyst dynamics in coastal and estuarine waters. In: D. M. Anderson, A. W. White and D. G. Baden [Eds.], *Toxic Dinoflagellates, Proc. 3rd Int'l Conf.*, Elsevier, New York. pp. 219-224.
- 1985 Maranda, L., D. M. Anderson, and Y. Shimizu. Comparison of toxicity between populations of *Gonyaulax tamarensis* of eastern North American waters. *Estuarine Coastal and Shelf Science* 21: 401-410.
- 1985 Watras, C. J., V. C. Garcon, R. J. Olson, S. W. Chisholm, and D. M. Anderson. The effect of zooplankton grazing on estuarine blooms of the toxic dinoflagellate *Gonyaulax tamarensis*. *Journal of Plankton Research* 7(6): 891-908.

- 1986 Binder, B. J. and D. M. Anderson. Green light-mediated photomorphogenesis in a dinoflagellate resting cyst. *Nature* 322: 659-661.
- 1986 Garcon, V. C., K. D. Stolzenbach, and D. M. Anderson. Tidal flushing of an estuarine embayment subject to recurrent dinoflagellate blooms. *Estuaries* 9: 179-187.
- 1986 Jacobson, D. M. and D. M. Anderson. Thecate heterotrophic dinoflagellates: feeding behavior and mechanisms. *Journal of Phycology* 22: 249-258.
- 1987 Anderson, D. M. and B. A. Keafer. An endogenous annual clock in the toxic marine dinoflagellate *Gonyaulax tamarensis*. *Nature* 325: 616-617.
- 1987 Anderson, D. M. and P. S. Lobel. The continuing enigma of ciguatera. *Biological Bulletin* 172: 89-107.
- 1987 Anderson, D. M., C. D. Taylor, and E. V. Armbrust. The effects of darkness and anaerobiosis on dinoflagellate cyst germination. *Limnology and Oceanography* 32: 340-351.
- 1987 Binder, B. J. and D. M. Anderson. Physiological and environmental control of germination in *Scrippsiella trochoidea* (Dinophyceae) cysts. *Journal of Phycology* 23: 99-107.
- 1987 Pfister, L. A. and D. M. Anderson. Dinoflagellate reproduction. In: Taylor, F.J.R. (Ed.), *The Biology of Dinoflagellates*. Blackwell Scientific Publications, Ltd. pp. 611-648.
- 1988 Anderson, D.M., and T. P.-O. Cheng. Intracellular localization of saxitoxins in the dinoflagellate *Gonyaulax tamarensis*. *Journal of Phycology* 24: 17-22.
- 1988 Anderson, D. M., D. M. Jacobson, I. Bravo and J. H. Wrenn. The unique microreticulate cyst of the naked dinoflagellate *Gymnodinium catenatum* Graham. *Journal of Phycology* 24: 255-262.
- 1988 Anderson, D. M., D. M. Nosenchuck, G. T. Reynolds and A. J. Walton. Mechanical stimulation of bioluminescence in the dinoflagellate *Gonyaulax polyedra* Stein. *Journal of Experimental Marine Biology and Ecology* 122: 277-288.
- 1988 Glibert, P. M., T. M. Kana and D. M. Anderson. Photosynthetic response of *Gonyaulax tamarensis* during growth in a natural bloom and in batch culture. *Marine Ecology Progress Series* 42: 303-309.
- 1988 Fraga, S., D. M. Anderson, I. Bravo, B. Reguera, K. A. Steindinger and C. M. Yentsch. Influence of upwelling relaxation on dinoflagellates and shellfish toxicity in Ria de Vigo, Spain. *Estuarine Coastal and Shelf Science* 27: 349-361.

- 1988 Lobel, P. S., D. M. Anderson and M. Durand-Clement. Assessment of ciguatera dinoflagellate populations: sample variability and algal substrate selection. *Biological Bulletin* 175: 94-101.
- 1988 Matsuoka, K., Y. Fukuyo and D. M. Anderson. The cyst and theca of *Gonyaulax verior Sournia* and their implication for the systematics of the genus *Gonyaulax*. *Japanese Journal of Phycology* 36: 311-320.
- 1989 Anderson, D. M. Toxic algal blooms and red tides: a global perspective. pp. 11-16. In: T. Okaichi, D. M. Anderson, and T. Nemoto (eds.), *Red Tides: Biology, Environmental Science and Toxicology*. Elsevier.
- 1989 Matsuoka, K., Y. Fukuyo and D. M. Anderson. Methods for modern dinoflagellate cyst studies. In: T. Okaichi, D. M. Anderson and T. Nemoto (Eds.). *Red Tides: Biology, Environmental Science and Toxicology*. Elsevier, New York, pp. 461-480.
- 1989 Anderson, D. M. Cysts as factors in *Pyrodinium bahamense* ecology. In: Hallegraeff, G. M. and J. L. MacLean (eds.). pp. 81-88. *Biology, Epidemiology and Management of Pyrodinium Red Tides*. Fisheries Department, Brunei Darussalam and International Center for Living Aquatic Resources Management, Manila.
- 1989 Anderson, D. M., D. M. Kulis and E. M. Cospser. "Immunofluorescent Detection of the Brown Tide Organism *Aureococcus anophagefferens*". In: *Novel Phytoplankton Blooms: Causes and Impacts of Recurrent Brown Tide and Other Unusual Blooms*. E. M. Cospser, E. J. Carpenter and M. Bricelj (Eds.). Springer-Verlag, New York, pp. 213-228.
- 1989 Anderson, D. M., J. J. Sullivan, and B. Reguera. Paralytic shellfish poisoning in northwest Spain: the toxicity of the dinoflagellate *Gymnodinium catenatum*. *Toxicon*. 27: 665-674.
- 1989 Caron, D. A., E. L. Lin, H. Kunze, E. M. Cospser and D. M. Anderson. Trophic interactions between nano- and microzooplankton and the "brown tide". In: E. M. Cospser, V. M. Bricelj and E. J. Carpenter (Eds.). *Novel Phytoplankton Blooms: Causes and Impacts of Recurrent Brown Tide and Other Unusual Blooms*. Springer-Verlag, New York, pp. 265-294.
- 1989 Franks, P. J. S. and D. M. Anderson. Sampling coastal dinoflagellate blooms: Equipment, strategies and data processing. In: Hallegraeff, G. M. and J. L. MacLean (Eds.). *Biology, Epidemiology, and Management of Pyrodinium Red Tides*. Fisheries Department, Brunei Darussalam and International Center for Living Aquatic Resources Management, Manila, pp. 235-254.

- 1989 Fritz, L., D. M. Anderson and R. E. Triemer. Ultrastructural aspects of sexual reproduction in the red tide dinoflagellate *Gonyaulax tamarensis*. *Journal of Phycology* 25: 95-107.
- 1989 Fraga, S., S. M. Gallagher and D. M. Anderson. Chain-forming dinoflagellates: an adaptation to red tides. In: T. Okaichi, D. M. Anderson and T. Nemoto (Eds.). *Red Tides: Biology, Environmental and Science and Toxicology*. Elsevier, New York. pp. 281-284.
- 1989 Franks, P. J. S., D. M. Anderson and B. A. Keafer. Fronts upwelling and coastal circulation: spatial heterogeneity of *Ceratium* in the Gulf of Maine. In: T. Okaichi, D. M. Anderson and T. Nemoto (Eds.). *Red Tides: Biology, Environmental Science and Toxicology*. Elsevier, New York, pp. 153-156.
- 1989 Geraci, J. A., D. M. Anderson, R. J. Timperi, D. J. St. Aubin, G. A. Early, J. A. Prescott and C. A. Mayo. Humpback whales (*Megaptera novaeangliae*) fatally poisoned by dinoflagellate toxin. *Canadian Journal of Fisheries and Aquatic Sciences* 46: 1895-1898.
- 1989 Hayhome, B. A., D. M. Anderson, D. M. Kulis and D. J. Whitten. Variation among congeneric dinoflagellates from the northeastern United States and Canada. I. Enzyme electrophoresis. *Marine Biology* 101: 427-435.
- 1989 Tracey, G. A., R. L. Steele, J. Gatzke, D. K. Phelps, R. Nuzzi, M. Waters and D. M. Anderson. Testing and application of biomonitoring methodologies for assessing environmental effects of noxious algal blooms. In: E. M. Cosper, V. M. Bricelj and E. J. Carpenter (Eds.). *Novel Phytoplankton Blooms: Causes and Impacts of Recurrent Brown Tide and Other Unusual Blooms*. Springer-Verlag, New York, pp. 557-574.
- 1990 Anderson, D. M., Toxin variability in *Alexandrium* species. In: Graneli, E., L. Edler, B. Sundström and D. M. Anderson (Eds.). *Toxic Marine Phytoplankton*. Elsevier, New York, pp. 41-51.
- 1990 Anderson, D. M., D. M. Kulis, J. J. Sullivan, S. Hall and C. Lee. Dynamics and physiology of saxitoxin production by the dinoflagellates *Alexandrium* spp. *Marine Biology* 104: 511-524.
- 1990 Anderson, D. M., D. M. Kulis, J. J. Sullivan and S. Hall. Toxin composition variations in one isolate of the dinoflagellate *Alexandrium fundyense*. *Toxicon* 28: 885-893.
- 1990 Binder, B. J. and D. M. Anderson. Biochemical composition and metabolic activity of *Scrippsiella trochoidea* (*Dinophyceae*) resting cysts. *Journal of Phycology* 26: 289-298.

- 1990 Bricelj, V. M., J. H. Lee, A. D. Cembella and D. M. Anderson. Uptake kinetics of paralytic shellfish toxins from the dinoflagellate *Alexandrium fundyense* in the mussel *Mytilus edulis*. Marine Ecology Progress Series 63: 177-188.
- 1990 Bricelj, V. M., J. H. Lee, A. D. Cembella and D. M. Anderson. Uptake of *Alexandrium fundyense* by *Mytilus edulis* and *Mercenaria mercenaria* under controlled conditions. In: Graneli, E., L. Edler, B. Sundström and D. M. Anderson (Eds.). *Toxic Marine Phytoplankton*. Elsevier, New York, pp. 269-274.
- 1990 Cetta, C. M. and D. M. Anderson. Cell cycle studies of the dinoflagellate *Gonyaulax polyedra* Stein and *Gyrodinium uncatenum* Hulbert during asexual and sexual reproduction. Journal of Experimental Marine Biology and Ecology 135: 69-84.
- 1990 Lirdwitayaprasit, T., T. Okaichi, S. Montani, T. Ochi and D. M. Anderson. Changes in cell chemical composition during the life cycle of *Scrippsiella trochoidea* (Dinophyceae). Journal of Phycology 26: 299-306.
- 1990 Nakamura, Y., T. Umemori, M. Watanabe, D. M. Kulis and D. M. Anderson. Encystment of *Chatonella antiqua* in laboratory culture. Journal of the Oceanographic Society of Japan 46: 35-43.
- 1991 Schwinghamer, P., D. M. Anderson and D. M. Kulis. Separation and concentration of living dinoflagellate resting cysts from marine sediments via density gradient centrifugation. Limnology and Oceanography 36: 588-592.
- 1992 Anderson, D. M., A. Grabher and M. Herzog. Separation of coding sequences from structural DNA in the dinoflagellate *Cryptocodinium cohnii*. Molecular Marine Biology and Biotechnology 1: 89-96.
- 1992 Anderson, D. M. and B. A. Keafer. Paralytic shellfish poisoning on Georges Bank: in situ growth or advection of established dinoflagellate populations? Proceedings of the Gulf of Maine Scientific Workshop, Wiggan, J. and C. N. K. Moers (Eds.), Urban Harbors Institute, University of MA, Boston.
- 1992 Anderson, D.M. and A. W. White. Marine biotoxins at the top of the food chain. Oceanus, 35: 55-61.
- 1992 Franks, P. J. S. and D. M. Anderson. Alongshore transport of a toxic phytoplankton bloom in a buoyancy current: *Alexandrium tamarensis* in the Gulf of Maine. Marine Biology 112: 153-164.
- 1992 Franks, P. J. S. and D. M. Anderson. Toxic phytoplankton blooms in the southwestern Gulf of Maine: Testing hypotheses of physical control using historical data. Marine Biology 112: 165-174.

- 1992 Jacobson, D. M. and D. M. Anderson. Ultrastructure of the feeding apparatus of the heterotrophic dinoflagellate *Proto-peridinium spinulosum* Schiller. J. Phycol. 28: 69-82.
- 1992 Keafer, B. A., K. O. Buesseler, and D. M. Anderson. Burial of living dinoflagellate cysts in estuarine and nearshore sediments. Marine Micropaleontology 20:147-161.
- 1993 Adachi, M., Y. Sako, Y. Ishida, D. M. Anderson, M. Kodama, T. Ogata, and B. Reguera. Cross-reactivity of five monoclonal antibodies to various isolates of *Alexandrium* from the United States, Japan, Spain, and Thailand. Nippon Suisan Gakkaishi 59: (10)1807.
- 1993 Anderson, D.M., B. A. Keafer, D.M. Kulis and R.M. Waters, and R. Nuzzi. An immunofluorescent survey of the brown tide chrysophyte *Aureococcus anophagefferens* along the northeast coast of the United States. J. Plank. Res. 15: 563-580.
- 1993 Bates, S. S., C. Léger, B. A. Keafer, and D. M. Anderson. Discrimination between domoic-acid producing and non-toxic forms of the diatom *Nitzschia pungens* using immunofluorescence. Marine Ecology Progress Series 100: 185-195.
- 1993 Doucette, G. J. and D. M. Anderson. Intracellular distribution of saxitoxin in *Alexandrium fundyense*. In: *Toxic Phytoplankton Blooms in the Sea*, T. Smayda and Y. Shimizu (Eds.), Elsevier, Amsterdam, pp. 863-868.
- 1993 Jacobson, D.M. and D.M. Anderson. Growth and grazing rates of *Proto-peridinium hirobis* Abé, a thecate heterotrophic dinoflagellate. J. Plank. Res. 15: 723-736.
- 1993 Judge, B. S., C. A. Scholin, and D. M. Anderson. 1993. RFLP analysis of a fragment of the large-subunit ribosomal RNA gene of globally distributed populations of the toxic dinoflagellate *Alexandrium*. Biological Bulletin 185: 329-330.
- 1993 Keafer, B. A. and D. M. Anderson. Use of remotely-sensed sea surface temperatures for studies of *Alexandrium* bloom dynamics in the southwestern Gulf of Maine. In: *Toxic Phytoplankton Blooms in the Sea*, T. Smayda and Y. Shimizu (Eds.), Elsevier, Amsterdam, pp. 763-768.
- 1993 Scholin, C. A. and D. M. Anderson. Population analysis of toxic and non-toxic *Alexandrium* species using ribosomal RNA signature sequences. In: *Toxic Phytoplankton Blooms in the Sea*, T. Smayda and Y. Shimizu (Eds.), Elsevier, Amsterdam, pp. 95-102.
- 1993 Scholin, C. A., D. M. Anderson and M. L. Sogin. The existence of two distinct small-subunit rRNA genes in the North American toxic dinoflagellate *Alexandrium fundyense* (*Dinophyceae*). J. Phycol. 29: 209-216.

- 1994 Anderson, D. M. Red tides. *Scientific American* 271: 52-58.
- 1994 Anderson, D. M., D. M. Kulis, G. J. Doucette, J. C. Gallagher and E. Balech. Biogeography of toxic dinoflagellates in the genus *Alexandrium* from the northeast United States and Canada as determined by morphology, bioluminescence, toxin composition, and mating compatibility. *Mar. Biol.* 120: 467-478.
- 1994 Bravo, I. and D. M. Anderson. The effects of temperature, growth medium and darkness on excystment and growth of the toxic *dinoflagellate* *Gymnodinium catenatum* from northwest Spain. *J. Plankton Res.* 16: 513-525.
- 1994 Scholin, C. A. and D. M. Anderson. Identification of group- and strain-specific genetic markers for globally distributed *Alexandrium* (*Dinophyceae*) species. I. RFLP analysis of SSU-rRNA genes. *J. Phycol.* 30: 744-754.
- 1994 Scholin, C. A., M. Herzog, M. Sogin and D. M. Anderson. Identification of group- and strain-specific genetic markers for globally distributed *Alexandrium* (*Dinophyceae*) species. II. Sequence analysis of a fragment of the large-subunit ribosomal RNA gene. *Journal of Phycol.* 30: 999-1011.
- 1994 Usup, G., D. M. Kulis and D. M. Anderson. Growth and toxin production of the toxic dinoflagellate *Pyrodinium bahamense* var. *compressum* in laboratory cultures. *Natural Toxins* 2: 254-262.
- 1995 Anderson, D. M. Identification of harmful algal species using molecular probes: an emerging perspective. In: *Harmful Marine Algal Blooms*, Lassus, P., G. Arzul, E. Erard, P. Gentien, C. Marcaillou (eds.), Technique et Documentation - Lavoisier, Intercept Ltd., pp. 3-13.
- 1995 Anderson, D. M. Toxic red tides and harmful algal blooms: A practical challenge in coastal oceanography. U.S. National Report to the IUGG American Geophysical Union, pp. 1189-1200.
- 1995 Anderson, D. M., Y. Fukuyo and K. Matsuoka. Cyst methodologies. In: *Manual on Harmful Marine Microalgae*, Hallegraeff, G. M., D. M. Anderson and A. D. Cembella (eds), IOC Manuals and Guides No. 33. UNESCO (English only), pp. 229-245.
- 1995 Graneli, E., D. M. Anderson, P. Carlsson, G. Finenke, S. Y. Maestrini, M. A. Sampayo, and T. J. Smayda. Nutrition, growth rate and sensitivity to grazing for the dinoflagellates *Dinophysis acuminata*, *D. acuta* and *D. norvegica*. *La mer* 33:149-156.
- 1995 Kokinos, J.P. and D. M. Anderson. Morphological development of resting cysts in cultures of the marine dinoflagellate *Lingulodinium polyedrum* (= *L. machaerophorum*). *Palynology* 19: 143-166.

- 1995 Scholin, C. A., G. M. Hallegraeff and D. M. Anderson. Molecular evolution and global dispersal of toxic dinoflagellates of the *Alexandrium tamarense* (*Dinophyceae*) "species complex". *Phycologia* 34(6):472-485.
- 1995 Usup, G., D. M. Kulis, and D. M. Anderson. Toxin production in a Malaysian isolate of the toxic dinoflagellate *Pyrodinium bahamense* var. *compressum*. pp. 519-524 In: Harmful Marine Algal Blooms, Lassus, P., G. Arzul, E. Erard, P. Gentien, C. Marcaillou (eds.), Lavoisier, Paris.
- 1996 Aguilera, A., S. Gonzalez-Gil, B. A. Keafer, and D. M. Anderson. Immunomagnetic separation of toxic dinoflagellate cells from natural plankton samples. *Mar. Ecol. Prog. Ser.* 143:255-269.
- 1996 Anderson, D. M. Modern approaches to the identification, enumeration, and separation of *Aureococcus anophagefferens* in natural samples, pp: 57-63 In: Proceedings of the Brown Tide Summit, October 20-21, 1995, A. McElroy (ed.), New York Sea Grant.
- 1996 Anderson, D. M., D. M. Kulis, Y.-Z. Qi, L. Zheng, S. Lu and Y. Lin. Paralytic shellfish poisoning in southern China. *Toxicon* 34:579-590.
- 1996 Doucette, G. J., D. L. Erdner, M. L. Peleato, J. J. Hartman, and D. M. Anderson. Quantitative analysis of iron-stress related proteins in *Thalassiosira weissflogii*: measurement of flavodoxin and ferredoxin using HPLC. *Mar. Ecol. Progr. Ser.* 130: 269-276.
- 1996 Jacobson, D. M. and D. M. Anderson. Widespread phagocytosis of ciliates and other protists by marine mixotrophic and heterotrophic thecate dinoflagellates. *J. Phycol.* 32:279-285.
- 1996 Qi, Y., H. Ying, Z. Lei, D. M. Kulis and D. M. Anderson. Dinoflagellate cysts from recent marine sediments of the South and East China seas. *Asian Marine Biology*, 13:87-103.
- 1996 Rengefors, K., D. M. Anderson and K. Pettersson. Phosphorous uptake by resting cysts of the marine dinoflagellate *Scrippsiella trochoidea*. *J. Plank. Res.* 18(9):1753-1765.
- 1996 Scholin, C. A. and D. M. Anderson. Identification of *Alexandrium* species and strains using RFLP analysis of PCR-amplified LSU rDNA. pp. 451-454. In: Oshima, Y. and Fukuyo, Y. (eds.) *Harmful and Toxic Algal Blooms*, Intergovernmental Oceanographic Commission of UNESCO, Paris.
- 1996 Scholin, C. A., and D. M. Anderson. LSU rDNA-based RFLP Assays for discriminating species and strains of *Alexandrium* (*Dinophyceae*). *J. Phycol.* 32:1022-1035.

- 1996 Vrieling, E. G. and D. M. Anderson. Immunofluorescence in phytoplankton research: Applications and potential. *J. Phycol.*, 32:1-16.
- 1997 Anderson, D. M. Turning back the harmful red tide. *Nature* 388:513-514.
- 1997 Anderson, D. M. Bloom dynamics of toxic *Alexandrium* species in the northeastern United States. *Limnol. & Oceanogr.* 42: 1009-1022.
- 1997 Chang, F. H., D. M. Anderson, D. M. Kulis and D. G. Till. Toxin production of *Alexandrium minutum* (Dinophyceae) from the Bay of Plenty, New Zealand. *Toxicon.* 35(3):393-409.
- 1997 Graneli, E., D. M. Anderson, P. Carlsson and S. Y. Maestrini. Light and dark carbon uptake by *Dinophysis*-species in comparison to photosynthetic and heterotrophic dinoflagellates. *Aquatic Microbial Ecology* 13:177-186.
- 1997 Taroncher-Oldenburg, G., D. M. Kulis and D. M. Anderson. Toxin variability during the cell cycle of the dinoflagellate *Alexandrium fundyense*. *Limnol. & Oceanogr.* 42:1178-88.
- 1998 Anderson, D. M. Physiology and bloom dynamics of toxic *Alexandrium* species, with emphasis on life cycle transitions. pp. 29-48, in: *The Physiological Ecology of Harmful Algal Blooms*, Anderson, D. M., A. D. Cembella and G. M. Hallegraeff [Eds.], Springer-Verlag, Heidelberg.
- 1998 Ellegaard, M., D. M. Kulis, and D. M. Anderson. Cysts of Danish *Gymnodinium nolleri* Ellegaard et Moestrup sp. Ined. (*Dinophyceae*): studies on encystment, excystment and toxicity. *J. Plank. Res.* 20 (9):1743-1755.
- 1998 González-Gil, S., B. A. Keafer, R. V. M. Jovine, and D. M. Anderson. Detection and quantification of alkaline phosphatase in single cells of phosphorus-limited marine phytoplankton. *Mar. Ecol. Prog. Ser.* 164:21-35.
- 1998 Perez, C. C., S. Roy, M. Levasseur, and D. M. Anderson. Control of germination of *Alexandrium tamarense* cysts from the lower St. Lawrence Estuary Canada. *J. Phycol.* 34:242-249.
- 1998 Rengefors, K. and D. M. Anderson. Environmental and endogenous regulation of cyst germination in two freshwater dinoflagellates. *J. Phycology* 34(4): 568-577.
- 1998 Taroncher-Oldenburg, G. and D. M. Anderson. Identification by differential display of genes expressed concurrently with saxitoxin biosynthesis in the red tide dinoflagellate *Alexandrium fundyense*. pp. 331-332, in: B. Reguera, J. Blanco, M. L. Fernández, and T. Wyatt (Eds.), *Harmful Algae*. IOC, UNESCO, Paris.

- 1998 González-Gil, S., B.A. Keafer, A. Aguilera and D.M. Anderson. Detection of endogenous alkaline phosphatase in marine dinoflagellates by epifluorescence microscopy. pp. 374-375, in: B. Reguera, J. Blanco, M. L. Fernández, and T. Wyatt (Eds.), Harmful Algae. IOC, UNESCO, Paris.
- 1998 Aguilera, A., S. González-Gil, B.A. Keafer, and D.M. Anderson. Isolation of the toxic marine dinoflagellate *Alexandrium fundyense* from unpreserved cultures by magnetic affinity cell sorting. pp. 258-259, in: B. Reguera, J. Blanco, M. L. Fernández, and T. Wyatt (Eds.), Harmful Algae. IOC, UNESCO, Paris.
- 1998 Scholin, C. A., and D. M. Anderson. Detection and quantification of HAB species using antibody and DNA probes: progress to date and future research objectives. pp. 253-257, in: B. Reguera, J. Blanco, M. L. Fernández, and T. Wyatt (Eds.), Harmful Algae. IOC, UNESCO, Paris.
- 1998 Kokinos, J. P., T. I. Eglinton, M. A. Goni, J. J. Boon, P. A. Martoglio, and D. M. Anderson. Characterization of a highly resistant biomacromolecular material in the cell wall of a marine dinoflagellate resting cyst. *Org. Geochem.* 28(5): 265-288.
- 1998 Ellegaard, M., D. M. Kulis and D. M. Anderson. Cysts of Danish *Gymnodinium nolleri* Ellegaard et Moestrup sp. ined (Dinophyceae): studies on encystment, excystment and toxicity. *J. Plank. Res.* 20(9): 1743-1755.
- 1999 Inda, L.A., D.L. Erdner, M.L. Peleato, and D.M. Anderson. Cytochrome *c*₆ isolated from the marine diatom *Thalassiosira weissflogii*. *Phytochemistry* 51 (1999) 1-4.
- 1999 Erdner, D. L., N. M. Price, G. J. Doucette, M. L. Peleato, and D. M. Anderson, Characterization of ferredoxin and flavodoxin as markers of iron limitation in marine phytoplankton. *Mar. Ecol. Prog. Ser.* 184: 43-53.
- 1999 Anderson, D.M., D.M. Kulis, B.A. Keafer, and E. Berdalet. Detection of the toxic dinoflagellate *Alexandrium fundyense* (Dinophyceae) with oligonucleotide and antibody probes: variability in labeling intensity with physiological condition. *J. Phycol.* 35: 870-883.
- 1999 Erdner, D.L., and D.M. Anderson. Ferredoxin and flavodoxin as biochemical indicators of iron limitation during open-ocean iron enrichment. *Limnol. Oceanogr.* 44(7): 1609-1615.
- 1999 Chang, F. H., I. Garthwaite, D. M. Anderson, N. Towers, R. Stewart, and L. Mackenzie. Immunofluorescent detection of a PSP-producing dinoflagellate, *Alexandrium minutum* from Bay of Plenty, New Zealand. *New Zealand Journal of Marine and Freshwater Research*, 33: 533-543.

- 1999 Taroncher-Oldenburg, G., D. M. Kulis and D. M. Anderson. Coupling of saxitoxin biosynthesis to the G₁ phase of the cell cycle in the dinoflagellate *Alexandrium fundyense*: temperature and nutrient effects. *Natural Toxins* 7: 207-219.
- 2000 Taroncher-Oldenburg, G. and D.M. Anderson. Identification and characterization of three differentially expressed genes, encoding *S*-adenosylhomocysteine hydrolase, methionine, aminopeptidase, and a histone-like protein in the toxic dinoflagellate, *Alexandrium fundyense*. *Appl. Environ. Microbiol.*, 66 (5): 2105-2112.
- 2000 Anderson, D. M. Meeting Report: Ninth International Conference on Harmful Algal Blooms, Hobart, Tasmania, Australia, February 7-11, 2000. *Protist* 151: 97-102.
- 2000 Kremp, A., and D.M. Anderson. Factors regulating germination of resting cysts of the spring bloom dinoflagellate *Scrippsiella hangoei* from the northern Baltic Sea. *J. Plankt. Res.* 22(7): 1311-1327.
- 2000 Turner, J.T., G.J. Doucette, C.L. Powell, D.M. Kulis, B.A. Keafer, and D.M. Anderson. Accumulation of red tide toxins in larger size fractions of zooplankton assemblages from Massachusetts Bay, USA. *Mar. Ecol. Prog. Ser.* 203: 95-107.
- 2000 Carmichael, W.W., C. Drapeau, and D.M. Anderson. Harvesting of *Aphanizomenon flos-aquae* Ralfs ex Born. & Flah. var. *flos-aquae* (cyanobacteria) from Klamath Lake for human dietary use. *J. Appl. Phycol.* 12: 585-595.
- 2001 Sengco, M.R., A. Li, K. Tugend, D. Kulis, and D.M. Anderson. Removal of red- and brown-tide cells using clay flocculation. I. Laboratory culture experiments with *Gymnodinium breve* and *Aureococcus anophagefferens*. *Mar. Ecol. Prog. Ser.* 210: 41-53.
- 2001 Rengefors, K., K. Pettersson, T. Blenckner, and D.M. Anderson. Species-specific alkaline phosphatase activity in freshwater spring phytoplankton: application of a novel method. *J. Plank. Res.* 23: 435-443.
- 2001 Kleindinst, J.L. and D.M. Anderson. *Pfiesteria*-related educational products and information resources available to the public, health officials and researchers. *Environmental Health Perspectives* 109 (5): 695-698.
- 2001 Anderson, D.M. Phytoplankton blooms. pp. 2179-2192, in: Steele, J. S. Thorpe, and K. Turekia (Eds.), *Encyclopedia of Ocean Sciences*. Academic Press, Ltd., London, U.K.
- 2001 Anderson, D.M. and D. McGillicuddy. The dynamics of toxic *Alexandrium* blooms in the Gulf of Maine: Insights from model simulations. *Proceedings of the Second Irish Marine Science Biotxin Workshop, Galway, Ireland*, pp. 48-53.

- 2002 Olli, K., and D.M. Anderson. High encystment success of the dinoflagellate *Scrippsiella cf. lachrymosa* in culture experiments. *J. Phycol.* 38: 145-156.
- 2002 Lilly, E.L., D.M. Kulis, P. Gentien, and D.M. Anderson. Paralytic shellfish poisoning toxins in France linked to a human-introduced strain of *Alexandrium catenella* from the Western Pacific: Evidence from DNA and toxin analysis. *J. Plankt. Res.* 24(5): 443-452.
- 2002 Aguilera, A., B.A. Keafer, G.H. Rau and D. M. Anderson. Immunomagnetic isolation of live and preserved *Alexandrium fundyense* cells: species-specific physiological, chemical, and isotopic analyses. *Mar. Ecol. Prog. Ser.* 237: 65-78.
- 2002 Anderson, D.M., P.M. Glibert, and J.M. Burkholder. Harmful algal blooms and eutrophication: Nutrient sources, composition, and consequences. *Estuaries* 25(4b): 704-726.
- 2002 Hoagland, P., D. M. Anderson, Y. Kaoru, and A. W. White. Average annual economic impacts of harmful algal blooms in the United States: some preliminary estimates. *Estuaries* 25(4b): 677-695.
- 2002 Dyhrman, S. T., E. A. Webb, D. M. Anderson, J. Moffett, and J. Waterbury. Cell specific detection of phosphorus stress in *Trichodesmium* from the Western North Atlantic. *Limnology and Oceanography* 47:1832-1836.
- 2002 Mendez, S.M., D.M. Kulis and D.M. Anderson. PSP toxin production of Uruguyan isolates of *Gymnodinium catenatum* and *Alexandrium tamarense*. pp. 352-355, in: Proceedings of the Ninth International Conference on Harmful Algal Blooms, G.M. Hallegraeff, S.I. Blackburn, C.J. Bolch, and R.J. Lewis [eds.]
- 2002 Godhe, A., D.M. Anderson, and A.-S. Rehnstam-Holm. PCR amplification of microalgal DNA for sequencing and species identification: studies on fixatives and algal growth stages. *Harmful Algae* 1: 375-382.
- 2002 LaDu, J.K., D.L. Erdner, S. Dyhrman, and D.M. Anderson. Molecular approaches to understanding population dynamics of the toxic dinoflagellate *Alexandrium fundyense*. *Biological Bulletin* 203: 244-245.
- 2002 Rehnstam-Holm, A.-S., A. Godhe, and D. M. Anderson. Molecular studies of *Dinophysis* (Dinophyceae) species from Sweden and North America. *Phycologia* 41(4): 348-357.
- 2003 Band-Schmidt, C. J., C. H. Lechuga-Devéze, D. M. Kulis and D. M. Anderson. Culture studies of *Alexandrium affine* (Dinophyceae), a non-toxic cyst forming dinoflagellate from Bahía Concepción, Gulf of California. *Botanica Marina* 46: 44-54.

- 2003 Rengefors, K., K.C. Ruttenberg, C.L. Hauptert, C.D. Taylor, B.L. Howes, and D.M. Anderson. Experimental investigation of taxon-specific response of alkaline phosphatase activity in natural freshwater phytoplankton. *Limnol. Oceanogr.* 48: 1167-1175.
- 2003 Band-Schmidt, C. J., E. L. Lilly, and D. M. Anderson. Identification of *Alexandrium affine* (Inoue & Fukuyo) and *Alexandrium margalefi* Balech, using DNA sequencing and LSU rDNA-based RFLP-PCR assays. *Phycologia* 42 (3): 261-268.
- 2003 Anderson, D. M. The expanding global problem of harmful algal blooms. pp. 372-393, in: Ragaini, R. (ed.), *International Seminar on Nuclear War and Planetary Emergencies, 27th Session, Erice, Italy, 18-26 August 2002*. World Scientific Publishing Co., Pte. Ltd., Singapore.
- 2003 McGillicuddy, D.J., Jr., R.P. Signell, C.A. Stock, B.A. Keafer, M.D. Keller, R.D. Hetland, and D.M. Anderson. A mechanism for offshore initiation of harmful algal blooms in the coastal Gulf of Maine. *J. Plankt. Res.* 25(9): 1131-1138.
- 2003 Anderson, D.M., Y. Fukuyo, and K. Matsuoka. Cyst methodologies. pp. 165-190, in: Hallegraeff, G.M., D.M. Anderson and A.D. Cembella (eds.), *Manual on Harmful Marine Microalgae*, Monographs on Oceanographic Methodology, 11, UNESCO.
- 2003 Andersen, P., H. Enevoldsen and D.M. Anderson. Harmful algal monitoring programme and action plan design. pp. 627-648, in: Hallegraeff, G.M., D.M. Anderson and A.D. Cembella (eds.), *Manual on Harmful Marine Microalgae*, Monographs on Oceanographic Methodology, 11, UNESCO.
- 2003 Anderson, D. M., R. P. Signell, and D. McGillicuddy. Modeling toxic *Alexandrium* dynamics in the Gulf of Maine: Progress to date. pp. 277-282, in: *Recent Advances in the Prevention and Management of Harmful Algal Blooms in the South China Sea*, Ho, K.C., Lu, S., Yu, T.-S., and Wong, K.-F. (eds.), The Association on Harmful Algal Blooms in the South China Sea, The Open University of Hong Kong, Kowloon, Hong Kong.
- 2003 Anderson, D. M. Management of harmful algal blooms in the South China Sea region: Progress and future prospects. pp. 225-230, in: *Recent Advances in the Prevention and Management of Harmful Algal Blooms in the South China Sea*, Ho, K.C., Lu, S., Yu, T.-S., and Wong, K.-F. (eds.), The Association on Harmful Algal Blooms in the South China Sea, The Open University of Hong Kong, Kowloon, Hong Kong.
- 2003 Galac, M., D. Erdner, D.M. Anderson, and S. Dyhrman. Molecular quantification of toxic *Alexandrium fundyense* in the Gulf of Maine. *Biol. Bull.* 205: 231-232.

- 2003 Dyhrman, S. T. and D. M. Anderson. Urease activity in cultures and field populations of the dinoflagellate *Alexandrium fundyense*. *Limnology and Oceanography* 48:647-655.
- 2003 Kleindinst, J. L. and D. M. Anderson. Communication and networking for harmful algal bloom (HAB) research and monitoring in the U.S. pp. 239-247, in: *Recent Advances in the Prevention and Management of Harmful Algal Blooms in the South China Sea*, Ho, K.C., Lu, S., Yu, T.-S., and Wong, K.-F. (eds.), The Association on Harmful Algal Blooms in the South China Sea, The Open University of Hong Kong, Kowloon, Hong Kong.
- 2003 Kremp, A., D. H. Shull, and D. M. Anderson. Effects of deposit-feeder gut passage and fecal pellet encapsulation on germination of dinoflagellate resting cysts. *Mar. Ecol. Prog. Ser.* 263: 65-73.
- 2003 McGillicuddy, Jr., D.J., C.A. Stock, D.M. Anderson, and R.P. Signell. Hindcasting blooms of the toxic dinoflagellate *Alexandrium* spp. in the western Gulf of Maine. Scavia and Valette-Silver (Eds.), *Ecological Forecasting Report*, 49:54.
- 2004 Pierce, R. H., M. S. Henry, C. J. Higham, P. Blum, M. R. Sengco, and D. M. Anderson. Removal of harmful algal cells (*Karenia brevis*) and toxins from seawater culture by clay flocculation. *Harmful Algae* 3 (2): 141-148.
- 2004 Archambault, M.-C., V.M. Bricelj, J. Grant, and D.M. Anderson. Effects of suspended and sedimented clays on juvenile hard clams, *Mercenaria mercenaria*, within the context of harmful algal bloom mitigation. *Marine Biology* 144: 553-565.
- 2004 Martins, C.A., D. Kulis, S. Franca and D.M. Anderson. The loss of PSP toxin production in a formerly toxic *Alexandrium lusitanicum* clone. *Toxicon*. 43: 195-205.
- 2004 Geyer, W. R., R. P. Signell, D. A. Fong, J. Wang, D. M. Anderson and B.A. Keafer. The freshwater transport and dynamics of the western Maine coastal current. *Continental Shelf Research* 24(12): 1339-1357.
- 2004 Yu, Z., M.R. Sengco, and D.M. Anderson. Flocculation and removal of the brown tide organism, *Aureococcus anophagefferens* (Chrysophyceae), using clays. *J. Appl. Phycol.* 16: 101-110.
- 2004 Kremp, A. and D.M. Anderson. Lectin binding patterns of *Scrippsiella lachrymose* (Dinophyceae) in relation to cyst formation and nutrient conditions. *J. Exptl. Mar. Biol. And Ecol.* 307: 165-181.
- 2004 Orlova, T. Yu, T.V. Morozova, K.E. Gribble, D.M. Kulis and D.M. Anderson. Dinoflagellate cysts in recent marine sediments from the east coast of Russia. *Botanica Marina* 47: 184-201.

- 2004 Anderson, D.M. Prevention, control and mitigation of harmful algal blooms: Multiple approaches to HAB management. pp. 123-130, in: *Harmful Algae Management and Mitigation*, Hall, S., Etheridge, S., Anderson, D., Kleindinst, J., Zhu, M., and Zou, Y. (Eds.). Asia-Pacific Economic Cooperation (Singapore): APEC Publication #204-MR-04.2.
- 2004 Kleindinst, J.L. and D.M. Anderson. Internet-based communication tools for dissemination of information on harmful algal blooms (HABs). pp. 97-101, in: *Harmful Algae Management and Mitigation*, Hall, S., Etheridge, S., Anderson, D., Kleindinst, J., Zhu, M., and Zou, Y. (Eds.). Asia-Pacific Economic Cooperation (Singapore): APEC Publication #204-MR-04.2.
- 2004 Olli, K., M.G. Neubert, and D.M. Anderson. Encystment probability and encystment rate: New terms to quantitatively describe formation of resting cysts in planktonic microbial populations. *Mar. Ecol. Prog. Ser.* 273: 43-48.
- 2004 Sengco, M.R. and D.M. Anderson. Controlling harmful algal blooms through clay flocculation. *J. Eukaryot. Microbiol.* 51(2): 169-172.
- 2004 Persich, G.R., D.M. Kulis, E.L. Lilly, D.M. Anderson, and V.M.T. Garcia. Genetic variability and toxin profile of *Alexandrium tamarense* (Lebour) Balech from southern Brazil. pp. 437-439, in: Steidinger, K.A., J.H. Landsberg, C.R. Tomas, and G.A. Vargo (eds.), *Harmful Algae 2002*. Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and the Intergovernmental Oceanographic Commission of UNESCO.
- 2004 Rensel, J.E. and D.M. Anderson. Effects of phosphatic clay dispersal at two divergent sites in Puget Sound, Washington. pp. 522-524, in: Steidinger, K.A., J.H. Landsberg, C.R. Tomas, and G.A. Vargo (eds.), *Harmful Algae 2002*. Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and the Intergovernmental Oceanographic Commission of UNESCO.
- 2004 Keafer, B.A., J.A. Churchill, W.R. Geyer, R.P. Signell, J.W. Hurst, Jr., L.L. Bean, N.R. Pettigrew, and D.M. Anderson. Detection of *Alexandrium fundyense* bloom initiation and transport in the western Gulf of Maine, USA using mussels (*Mytilus edulis*) on offshore hydrographic moorings. pp. 285-287, in: Steidinger, K.A., J.H. Landsberg, C.R. Tomas, and G.A. Vargo (eds.), *Harmful Algae 2002*. Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and the Intergovernmental Oceanographic Commission of UNESCO.

- 2004 Zingone, A., E. Garces, B. Reguera, D.M. Anderson, S.S. Bates, S. Blackburn, C.J.S. Bolch, B. Dale, M. Elbrachter, P.E. Hargraves, I. Imai, A. Kremp, J.M. Lewis, M. Montresor, L. Peperzak, C.A. Scholin and C.R. Tomas. EU-LIFEHAB: Expanding the discussion on the life cycles of harmful algae. pp. 546-548, in: Steidinger, K.A., J.H. Landsberg, C.R. Tomas, and G.A. Vargo (eds.), *Harmful Algae 2002*. Florida Fish and Wildlife Conservation Commission, Florida Institute of Oceanography, and the Intergovernmental Oceanographic Commission of UNESCO.
- 2004 Hackett, J.D., D.M. Anderson, D.L. Erdner, and D. Bhattacharya. Dinoflagellates: A remarkable evolutionary experiment. *Amer. J. Botany* 91(10): 1523-1534.
- 2004 Band-Schmidt, C.J., L. Morquecho, C.H. Lechuga-Devéze, and D.M. Anderson. Effects of growth medium, temperature, salinity and seawater sources on the growth of *Gymnodinium catenatum* (Dinophyceae) from Bahía Concepción, Gulf of California, Mexico. *J. Plankt. Res.* 26(12): 1459-1470.
- 2005 Anderson, D.M., B.A. Keafer, W.R. Geyer, R.P. Signell, and T.C. Loder. Toxic *Alexandrium* blooms in the western Gulf of Maine: The plume advection hypothesis revisited. *Limnol. Oceanogr.* 50(1): 328-345.
- 2005 Sengco, M.R., J.A. Hagström, E. Granéli, and D.M. Anderson. Removal of *Prymnesium parvum* (Haptophyceae) and its toxins using clay minerals. *Harmful Algae* 4: 261-274.
- 2005 Beaulieu, S.E., M.R. Sengco, and D.M. Anderson. Using clay to control harmful algal blooms: Deposition and resuspension of clay/algal flocs. *Harmful Algae* 4: 123-138.
- 2005 Glibert, P.M., D.M. Anderson, P. Gentien, E. Granéli, and K. Sellner. The global, complex phenomena of harmful algal blooms. *Oceanography* 18(2): 132-141.
- 2005 Anderson, D.M., G.C. Pitcher, and M. Estrada. The comparative “systems” approach to HAB research. *Oceanography* 18(2): 148-157.
- 2005 Anderson, D.M. and J.S. Ramsdell. HARRNESS – a framework for HAB research and monitoring in the United States for the next decade. *Oceanography* 18(2): 238-246.
- 2005 Lilly, E.L., K.M. Halanych, and D.M. Anderson. Phylogeny, biogeography, and species boundaries within the *Alexandrium minutum* group. *Harmful Algae* 4(6): 1004-1020.
- 2005 Anderson, D.M., D.M. Kulis, B.A. Keafer, K.E. Gribble, R. Marin, and C.A. Scholin. Identification and enumeration of *Alexandrium* spp. from the Gulf of Maine using molecular probes. *Deep-Sea Res. II* 52(19-21): 2467-2490.

- 2005 Anderson, D.M., C.A. Stock, B.A. Keafer, A. Bronzino Nelson, B. Thompson, D.J. McGillicuddy, M. Keller, P.A. Matrai, and J. Martin. *Alexandrium fundyense* cyst dynamics in the Gulf of Maine. *Deep-Sea Res. II* 52(19-21): 2522-2542.
- 2005 Doucette, G.J., J.T. Turner, C.L. Powell, B.A. Keafer, D.M. Anderson. Trophic accumulation of PSP toxins in zooplankton during *Alexandrium fundyense* blooms in Casco Bay, Gulf of Maine, April - June, 1998. I. Toxin levels in *A. fundyense* and zooplankton size fractions. *Deep-Sea Res. II* 52(19-21): 2764-2783.
- 2005 Gribble, K.E., B.A. Keafer, M.A. Quilliam, A.D. Cembella, D.M. Kulis, A. Manahan, and D.M. Anderson. Distribution and toxicity of *Alexandrium ostenfeldii* (Dinophyceae) in the Gulf of Maine, USA. *Deep-Sea Res. II* 52(19-21): 2745-2763.
- 2005 Keafer, B.A., J.H. Churchill, D.J. McGillicuddy, and D.M. Anderson. Bloom development and transport of toxic *Alexandrium fundyense* populations within a coastal plume in the Gulf of Maine. *Deep-Sea Res. II* 52(19-21): 2674-2697.
- 2005 Keafer, B.A., J.H. Churchill, and D.M. Anderson. Blooms of the toxic dinoflagellate, *Alexandrium fundyense*, in the Casco Bay region of the western Gulf of Maine: Advection from offshore source populations and interactions with the Kennebec River plume. *Deep-Sea Res. II* 52(19-21): 2631-2655.
- 2005 McGillicuddy, Jr., D.J., D.M. Anderson, A.R. Solow, and D.W. Townsend. Interannual variability of *Alexandrium fundyense* abundance and shellfish toxicity in the Gulf of Maine. *Deep-Sea Res. II* 52(19-21): 2843-2855.
- 2005 McGillicuddy, D.J., Jr., D.M. Anderson, D.R. Lynch, and D.W. Townsend. Mechanisms regulating large-scale seasonal fluctuations in *Alexandrium fundyense* populations in the Gulf of Maine: Results from a physical-biological model. *Deep-Sea Res. II* 52(19-21): 2698-2714.
- 2005 Poulton, N.J., B.A. Keafer, and D.M. Anderson. Toxin variability in natural populations of *Alexandrium fundyense* in Casco Bay, Maine – evidence of nitrogen limitation. *Deep-Sea Res. II* 52(19-21): 2501-2521.
- 2005 Stock, C.A., D.J. McGillicuddy, A.R. Solow, D. M. Anderson. Evaluating hypotheses for the initiation and development of *Alexandrium fundyense* blooms in the western Gulf of Maine using a coupled physical-biological model. *Deep-Sea Res. II* 52(19-21): 2715-2744.
- 2005 Turner, J.T., G.J. Doucette, B.A. Keafer, D.M. Anderson. Trophic accumulation of PSP toxins in zooplankton during *Alexandrium fundyense* blooms in Casco Bay, Gulf of Maine, April - June, 1998. II. Zooplankton abundance and size-fractionated community composition. *Deep-Sea Res. II* 52(19-21): 2784-2800.

- 2005 Anderson, D.M., B.A. Keafer, D.J. McGillicuddy, M.J. Mickelson, K.E. Keay, P.S. Libby, J.P. Manning, C.A. Mayo, D.K. Whittaker, J.M. Hickey, R. He, D.R. Lynch, and K.W. Smith. Initial observations of the 2005 *Alexandrium fundyense* bloom in southern New England: General patterns and mechanisms. *Deep-Sea Res. II* 52(19-21): 2856-2876.
- 2006 Persich, G.R., D.M. Kulis, E.L. Lilly, D.M. Anderson, and V.M.T. Garcia. Probable origin and toxin profile of *Alexandrium tamarens* (Lebour) Balech from southern Brazil. *Harmful Algae* 5: 36-44.
- 2006 Erdner, D.L. and D.M. Anderson. Global transcriptional profiling of the toxic dinoflagellate *Alexandrium fundyense* using Massively Parallel Signature Sequencing. *BMC Genomics* 7:88 (1-11).
- 2006 Anderson, D.M and J.L. Kleindinst. Development of a new HAB National Plan for the United States: Rationale, process, and product. pp. 6-11, in: *Key Research Findings to Harmful Algal Blooms in the South China Sea. Proceedings of the (3rd) International Conference on the Prevention and Management of Harmful Algal Blooms in the South China Sea*, Ho, K.-C., S.-H. Lu, Y. Wang, and J.-F. Chen (eds.), The Association on Harmful Algal Blooms in the South China Sea.
- 2006 Anderson, D.M. A conceptual model of *Alexandrium fundyense* bloom dynamics and PSP toxicity in the Gulf of Maine. pp. 113-121, in: *Key Research Findings to Harmful Algal Blooms in the South China Sea. Proceedings of the (3rd) International Conference on the Prevention and Management of Harmful Algal Blooms in the South China Sea*, Ho, K.-C., S.-H. Lu, Y. Wang, and J.-F. Chen (eds.), The Association on Harmful algal Blooms in the South China Sea.
- 2006 Woo, S.P.S., W. Liu, D.W.T. Au, D.M. Anderson, and R.S.S. Wu. Antioxidant responses and lipid peroxidation in gills and erythrocytes of fish (*Rhabdosarga sarba*) upon exposure to *Chattonella marina* and hydrogen peroxide: Implications on the cause of fish kills. *J. Exp. Mar. Biol. And Ecol.* 336: 230-241.
- 2006 Nagai, S., L. McCauley, N. Yasuda, D.L. Erdner, D.M. Kulis, Y. Matsuyama, S. Itakura and D.M. Anderson. Development of microsatellite markers in the toxic dinoflagellate *Alexandrium minutum* (Dinophyceae). *Molecular Ecology Notes*. 6: 756-758.
- 2006 Ahn, S., D.M. Kulis, D.L. Erdner, D.M. Anderson and D.R. Walt. Fiber-optic microarray for simultaneous detection of multiple harmful algal bloom species. *Applied and Environmental Microbiology* 72(9):5742-5749.
- 2006 Anderson, D.M. and K. Rengefors. Community assembly and seasonal succession of marine dinoflagellates in a temperate estuary – the importance of life cycle events and predation. *Limnol. & Oceanogr.* 51(2): 860-873.

- 2006 Dyhrman, S.T., D.L. Erdner, J. LaDu, M. Galac and D.M. Anderson. Molecular quantification of toxic *Alexandrium fundyense* in the Gulf of Maine using real-time PCR. *Harmful Algae* 5(3): 242-250.
- 2006 Gribble, K.E. and Anderson, D.M. Molecular phylogeny of the heterotrophic dinoflagellates, *Protooperidinium*, *Diplopsalis*, and *Preperidinium* (Dinophyceae), inferred from large subunit rDNA. *J. Phycol.* 42: 1081-1095.
- 2006 Anderson, D.M., D. Kulis, D. Erdner, S. Ahn, and D. Walt. Fibre optic microarrays for the detection and enumeration of harmful algal bloom species. *African Journal of Marine Science* 28(2): 231-25.
- 2006 Leblond, J.D., M.R. Sengco, J.O. Sickman, J.L. Dahmen, and D.M. Anderson. Sterols in the Syndinian dinoflagellate parasite, *Amoebophrya* sp., a parasite of the dinoflagellate *Alexandrium tamarense* (Dinophyceae). *J. Eukaryot. Microbiol.* 53(3): 1-6.
- 2007 Gribble, K.E. and D.M. Anderson. High intragenomic variability in large subunit ribosomal DNA genes in the heterotrophic dinoflagellates *Protooperidinium*, *Diplopsalis*, and *Preperidinium* (Dinophyceae). *Phycologia* 46 (3): 315-324.
- 2007 Liu, W., D.W.T. Au, D.M. Anderson, P.K.S. Lam, R.J. Jack, and R.S.S. Wu. Effects of nutrients, salinity, pH and light:dark cycle on the production of reactive oxygen species in *Chattonella marina*. *J. Exper. Mar. Biol. & Ecol.* 346: 76-86.
- 2007 Godhe, A., C. Cusack, J. Pedersen, P. Andersen, D.M. Anderson, E. Bresnan, A. Cembella, et al. Intercalibration of classical and molecular techniques for identification of *Alexandrium fundyense* (Dinophyceae) and estimation of cell densities. *Harmful Algae* 6: 56-72.
- 2007 Lilly, E.L., K.M. Halaynch, and D.M. Anderson. Species boundaries and global biogeography of the *Alexandrium tamarense* complex (Dinophyceae). *J. Phycol.* 43: 1329-1338.
- 2007 Orlova, T.Y., M.S. Selina, E.L. Lilly, D.M. Kulis, and D.M. Anderson. Morphogenetic and toxin composition variability of *Alexandrium tamarense* (Dinophyceae) from the east coast of Russia. *Phycologia* 46(5): 534-548.
- 2007 Anderson, D.M. The ecology and oceanography of harmful algal blooms: multidisciplinary approaches to research and management. Bruun Memorial Lecture, IOC, UNESCO, Paris.
- 2007 Gribble, K.E., G. Nolan, and D.M. Anderson. Biodiversity, biogeography and potential trophic impact of *Protooperidinium* spp. (Dinophyceae) off the southwestern coast of Ireland. *J. Plankt. Res.* 29(11): 931-947.

- 2007 Stock, C.A., D.J. McGillicuddy, D.M. Anderson, A.R. Solow, and R.P. Signell. Blooms of the toxic dinoflagellate *Alexandrium fundyense* in the western Gulf of Maine in 1993 and 1994: A comparative modeling study. *Cont. Shelf Res.* 27: 2486-2512.
- 2008 Juhl, A.R., C.A. Martins, and D.M. Anderson. Toxicity of *Alexandrium lusitanicum* to gastropod larvae is not caused by paralytic-shellfish-poisoning toxins. *Harmful Algae* 7: 567-573.
- 2008 Xu, Jie, A.Y.T. Ho, K. Yin, X. Yuan, D.M. Anderson, and P.J. Harrison. Temporal and spatial variations in nutrient stoichiometry and regulation of phytoplankton biomass in Hong Kong waters: Influence of the Pearl River outflow and sewage inputs. *Mar. Poll. Bull.* 57: 335-348.
- 2008 Glibert, P.M., R. Azanza, M. Burford, K. Furuya, E. Abal, A. Al-Azri, F. Al-Yamani, P. Andersen, D.M. Anderson, et al. Ocean urea fertilization for carbon credits poses high ecological risks. *Mar. Poll. Bull.* 56: 1049-1056.
- 2008 Anderson, D.M. Harmful algal blooms and ocean observing systems: needs, present status and future potential. In: *Fisheries for Global Welfare and Environment*, K. Tsukamoto, T. Kawamura, T. Takeuchi, T.D. Beard, Jr., and M.J. Kaiser (Eds.), Terrapub, Tokyo, p. 317-334.
- 2008 Erdner, D.L., J. Dyble, M.L. Parsons, P. Moeller, R.C. Stevens, K.A. Hubbard, M.L. Wrabel, S.K. Moore, K.A. Lefebvre, D.M. Anderson, P. Bienfang, R.R. Bidigare, M.S. Parker, P. Moeller, L.E. Brand, and V.L. Trainer. Centers for Oceans and Human Health: a unified approach to the challenge of harmful algal blooms. *Environ. Health* 7(Suppl): S2.
- 2008 McGillicuddy, D.J., Jr., D.M. Anderson, C.A. Stock, D.R. Lynch, and D.W. Townsend. Modeling blooms of *Alexandrium fundyense* in the Gulf of Maine. In: *Real-time Coastal Observing Systems for Marine Ecosystem Dynamics and harmful Algal Blooms: Theory, Instrumentation and Modelling*, Babin, M., C.S. Roesler, and J.J. Cullen (Eds.), UNESCO, Paris, France, pp. 599-626.
- 2008 Anderson, D.M., J.M. Burkholder, W.P. Cochlan, P.M. Glibert, C.J. Gobler, C.A. Heil, R. Kudela, M.L. Parsons, J.E. Rensel, D.W. Townsend, V.L. Trainer, and G.A. Vargo. Harmful algal blooms and eutrophication: Examining linkages from selected coastal regions of the United States. *Harmful Algae* 8: 39-53.
- 2008 Heisler, J., P. Glibert, J. Burkholder, D. Anderson, W. Cochlan, W. Dennison, C. Gobler, Q. Dortch, C. Heil, E. Humphries, A. Lewitus, R. Magnien, H. Marshall, K. Sellner, D. Stockwell, D. Stoecker, and M. Suddleson. 2008. Eutrophication and harmful algal blooms: A scientific consensus. *Harmful Algae* 8: 3-13.

- 2008 He, R., McGillicuddy, D.J., Keafer, B.A. and D.M. Anderson. Historic 2005 toxic bloom of *Alexandrium fundyense* in the western Gulf of Maine: 2. Coupled Biophysical Numerical Modeling. *Journal of Geophysical Research-Oceans*, 113, C07040, doi:10.1029/2007JC004602.
- 2009 Gribble, K.E., D.M. Anderson, and D.W. Coats. Sexual and asexual processes in *Protoperdinium steidingeriae* Balech (Dinophyceae), with observations on life-history stages of *Protoperdinium depressum* (Bailey) Balech (Dinophyceae). *J. Euk. Microbiol.* 56(1): 88-103.
- 2009 McCauley, L.A.R., D.L. Erdner, S. Nagai, M.L. Richlen, and D.M. Anderson. Biogeographic analysis of the globally distributed harmful algal bloom species *Alexandrium minutum* (Dinophyceae) based on rRNA gene sequences and microsatellite markers. *J. Phycol.* 45: 454-463.
- 2009 Hackett, J.D., M. Tong, D.M. Kulis, E. Fux, P. Hess, R. Bire, and D.M. Anderson. DSP toxin production de novo in cultures of *Dinophysis acuminata* (Dinophyceae) from North America. *Harmful Algae* 8(6): 873-879.
- 2009 Moustafa, A., J.E. Loram, J.D. Hackett, D.M. Anderson, F.G. Plumley, and D. Bhattacharya. Origin of Saxitoxin Biosynthetic Genes in Cyanobacteria. *PLoS ONE* 4(6): e5758.
- 2009 Anderson, D.M. Approaches to monitoring, control, and management of harmful algal blooms (HABs). *Proceedings of the International Conference on Coastal and Ocean Governance, East Asian Seas Congress 2006, Ocean & Coastal Management Journal* 52: 342-347.
- 2009 Xu, J., K. Yin, A.Y.T. Ho, J.H.W. Lee, D.M. Anderson, and P.J. Harrison. Nutrient limitation in Hong Kong waters inferred from comparison of nutrient ratios, bioassays and ³³P turnover times. *Mar. Ecol. Prog. Ser.* 388: 81-97.
- 2009 Li, Y., R. He, D.J. McGillicuddy, Jr., D.M. Anderson, and B.A. Keafer. Investigation of the 2006 *Alexandrium fundyense* bloom in the Gulf of Maine: In situ observations and numerical modeling. *Cont. Shelf Res.* 29(17): 2069-2082.
- 2010 Ho, A.Y.T., J. Xu, K. Yin, Y. Jiang, X. Yuan, L. He, D.M. Anderson, J.H.W. Lee, and P.J. Harrison. Phytoplankton biomass and production in subtropical Hong Kong waters: Influence of the Pearl River outflow. *Estuaries and Coasts* 33: 170-18. DOI 10.1007/s12237-009-9247-8.
- 2010 Brosnahan, M.L., D.M. Kulis, A.R. Solow, D.L. Erdner, L. Percy, J. Lewis, and D.M. Anderson. Outbreeding lethality between toxic Group I and nontoxic Group III *Alexandrium tamarens* spp. isolates: Predominance of heterotypic encystment and implications for mating interactions and biogeography. *Deep-Sea Res. II* 57(3-4): 175-189.

2010 Erdner, D.L., L. Percy, B. Keafer, J. Lewis, and D.M. Anderson. A quantitative real-time PCR assay for the identification and enumeration of *Alexandrium* cysts in marine sediments. In: Garcés, E., M. Montresor, J. Lewis, K. Rengefors, and D.M. Anderson (eds.), *Phytoplankton Life Cycles and Their Impacts on the Ecology of Harmful Algal Blooms*, Deep-Sea Res. II 57(3-4): 279-287.

2010 Hattenrath, T.K., D.M. Anderson, and C.J. Gobler. The influence of anthropogenic nitrogen loading and meteorological conditions on the dynamics and toxicity of *Alexandrium fundyense* blooms in a New York (USA) estuary. *Harmful Algae* 9: 402-412.

2010 Töbe, K., D. Kulis, D.M. Anderson, M. Gladstone, and L.K. Medlin. Detecting intact algal cells with whole cell hybridisation assays. In: *Microscopic and molecular methods for quantitative phytoplankton analysis*. Paris, UNESCO. (IOC Manuals and Guides, no. 55.) (IOC/2010/MG/55), Karlson, B., C. Cusack, and E. Bresnan (eds.), IOC Manuals and Guides, no. 55, (IOC/2010/MG/55), pp. 59-63.

2010 Richlen, M.L., S.L. Morton, E.A. Jamali, A. Rajan, and D.M. Anderson. The catastrophic 2008 – 2009 red tide in the Arabian Gulf region, with observations on the identification and phylogeny of the fish-killing dinoflagellate *Cochlodinium polykrikoides*. *Harmful Algae* 9: 163-172.

2010 Moustafa, A., D.L. Erdner, D.M. Kulis, D.M. Anderson, and D. Bhattacharya. Transcriptome Profiling of a Toxic Dinoflagellate Reveals a Gene-Rich Protist and a Potential Impact on Gene Expression Due to Bacterial Presence. *PLoS ONE*. 2010 March 12;5(3): e9688.

2010 Anderson, D.M., Beatriz Reguera, G.C. Pitcher, and H.O. Enevoldsen. The IOC International Harmful Algal Bloom Program: history and science impacts. *Oceanography* 23(3): 40-53.

2010 Anderson, D.M., D.J. McGillicuddy, Jr., B.A. Keafer, R. He, and D.W. Townsend. Bloom dynamics of the red tide dinoflagellate *Alexandrium fundyense* in the Gulf of Maine: a synthesis and progress towards a forecasting capability. ICES Annual Science Conference, Nantes, France.

2010 Tong, M.M., Q.X. Zhou, D.M. Kulis, T. Jiang, Y. Qi, and D.M. Anderson. The culturing techniques and growth characteristics of *Dinophysis acuminata* and its prey. *Chinese Journal of Oceanology and Limnology*. 28 (6), 1-7.

2010 Harrison, P. J., J. Xu, K. Yin, J.H.W. Lee, D.M. Anderson, H.B. Liu, and A.Y.T. Ho. Algal Blooms and red tides in Hong Kong: Which, when, where and why. In: Ho, K.-C., M.J. Zhou, and Y.Z. Qi (Eds.), *Harmful Algae 2008*. Proceedings of the 13th International Conference on Harmful Algae, International Society for the Study of Harmful Algae, Environmental Publication House, Hong Kong, pp. 49-52.

- 2010 Xu, J., K. Yin, H. Liu, J.H.W. Lee, D.M. Anderson, A.Y.T. Ho, and P.J. Harrison. A comparison of eutrophication impacts in two harbours in Hong Kong with different hydrodynamics. *J. Mar. Sys.* 83: 276-286.
- 2011 Pan, G., J. Chen, and D.M. Anderson. 2011. Modified local sands for the mitigation of harmful algal blooms. *Harmful Algae* 10: 381-387.
- 2011 Bienfang, P., S.V. DeFelice, E.A. Laws, L. Brand, R.R. Bidigare, S. Christensen, H. Trapido-Rosenthal, T. Hemscheidt, D.J. McGillicuddy, D.M. Anderson, L.C. Backer, H. Solo-Gabriele, and A.B. Boehm. Prominent human health impacts from several marine microbes: history, ecology, and public health implications. *Internat. Special Issue, "Microbial Ecology and Global Health"*, *J. Microbiol.*, Article ID 152815, doi:10.1155/2011/152815.
- 2011 Haley, S.T., A.R. Juhl, B.A. Keafer, D.M. Anderson, and S.T. Dyhrman. Detecting copepod grazing on low-concentration populations of *Alexandrium fundyense* using PCR. *Journal of Plankton Research* 33(6): 927-936.
- 2011 Tong, M., D.M. Kulis, E. Fux, J.L. Smith, P. Hess, Q. Zhou, and D.M. Anderson. The effects of growth phase and light intensity on toxin production by *Dinophysis acuminata* from the northeastern United States. *Harmful Algae* 10(3) 254-264.
- 2011 Erdner, D.L., M. Richlen, L.A.R. McCauley, and D.M. Anderson. Intrapopulation diversity and dynamics of a widespread bloom of the toxic dinoflagellate *Alexandrium fundyense*. *PLoS ONE*, 6(7): e22965. doi:10.1371/journal.pone.0022965.
- 2011 Fux, E., J.L. Smith, M. Tong, L. Guzmán, and D.M. Anderson. Toxin profiles of five geographical isolates of *Dinophysis* spp. from North and South America. *Toxicon* 57(2): 275-287.
- 2011 Harrison, P.J., K. Furuya, P.M. Glibert, J. Xu, H.B. Liu, K. Yin, J.H.W. Lee, D.M. Anderson, R. Gowen, A.R. Al-Azri, and A.Y.T. Ho. Geographical distribution of red and green *Noctiluca scintillans*. *Chinese J. Oceanology & Limnology* 29(4) 807-831.
- 2011 Jiang, M., M. Zhou, S.P. Libby, and D.M. Anderson. Dynamics of a mesoscale eddy off Cape Ann, Massachusetts in May 2005. *Deep-Sea Res. I* 58: 1130-1146.
- 2011 McGillicuddy, Jr., D.J., D.W. Townsend, R. He, B.A. Keafer, J.L. Kleindinst, Y. Li, J.P. Manning, D.G. Mountain, M.A. Thomas, and D.M. Anderson. Suppression of the 2010 *Alexandrium fundyense* bloom by changes in physical, biological, and chemical properties of the Gulf of Maine. *Limnol. & Oceanogr.* 56(6): 2411-2426.
- 2011 Crespo, B.G., B.A. Keafer, D.K. Ralston, H. Lind, D. Farber, and D.M. Anderson. Dynamics of *Alexandrium fundyense* blooms and shellfish toxicity in the Nauset Marsh System of Cape Cod (Massachusetts, USA). *Harmful Algae* 12: 26-38.

2012 Anderson, D.M., T.J. Alpermann, A.D. Cembella, Y. Collos, E. Masseret, and M. Montresor. The globally distributed genus *Alexandrium*: Multifaceted roles in marine ecosystems and impacts on human health. *Harmful Algae* 14: 10-35.

2012 Anderson, D.M., A.D. Cembella, and G.M. Hallegraeff. Progress in understanding harmful algal blooms: Paradigm shifts and new technologies for research, monitoring and management. *Annu. Rev. Mar. Sci.* 4: 143-76.

2012 Hackett, J.D., J.H. Wisecaver, M.L. Brosnahan, D.M. Kulis, D.M. Anderson, D. Bhattacharya, and F.G. Plumley. 2012. Independent evolution of saxitoxin synthesis in cyanobacteria and dinoflagellates. *Mol. Biol. and Evol.*

2012 Xu, J., A.Y.T. Ho, L. He, K. Yin, C. Hung, N. Choi, P.K.S. Lam, R.S.S. Wu, D.M. Anderson, and P.J. Harrison. Effects of inorganic and organic nitrogen and phosphorus on the growth and toxicity of two *Alexandrium* species from Hong Kong. *Harmful Algae* 16: 89-97.

2012 Bricelj, V.M., A.-G. Haubois, M.R. Sengco, R. Pierce, J. Culter, and D.M. Anderson. Trophic transfer of brevetoxins to the benthic macrofaunal community during a bloom of the harmful dinoflagellate *Karenia brevis* in Sarasota Bay, Florida. *Harmful Algae* 16: 27-34.

2012 Laycock, M.V., D.M. Anderson, J. Naar, A. Goodman, D.J. Easy, M.A. Donovan, A. Li, M.A. Quilliam, E. Al Jamali, and R. Alshih. Laboratory desalination experiments with some algal toxins. *Desalination* 293: 1-6.

2012 Richlen, M.L., D.L. Erdner, L.A.R. McCauley, K. Libera, and D.M. Anderson. Extensive genetic diversity and rapid population succession during blooms of *Alexandrium fundyense* (Dinophyceae) in an isolated salt pond on Cape Cod, MA, USA. *Ecol. and Evol.* DOI: 10.1002/ece3.373.

2012 Richlen, M.L., Parsons, M.L., Anderson, D.M. Ecology and Impacts of Ciguatera on Coral Reef Ecosystems. In: Hall, J. (Ed), *Advances in Environmental Research*: v.26. Nova Science Publishers, New York. pp. 41-76.

2012 Chan, C.X., M.B. Soares, M.F. Bonaldo, J.H. Wisecaver, J.D. Hackett, D.M. Anderson, D.L. Erdner, and D. Bhattacharya. Analysis of *Alexandrium tamarens* (Dinophyceae) genes reveals the complex evolutionary history of a microbial eukaryote. *J. Phycol.* 48(5): 1130-1142.

2012 Steinberg, M.K., M.R. First, E.J. Lemieux, L.A. Drake, B.N. Nelson, D.M. Kulis, D.M. Anderson, N.A. Welschmeyer, and P.R. Herring. Comparison of techniques used to count single-celled visible phytoplankton. *J. Appl. Phycol.* 24(4): 751-758.

- 2013 Radke, E.G., L.M. Grattan, R.L. Cook, T.B. Smith, D.M. Anderson, and J.G. Morris, Jr. 2013. Ciguatera incidence in the US Virgin Islands has not increased over a 30-year time period despite rising seawater temperatures. *Am. J. Trop. Med. Hyg.* 88(5): 908-913.
- 2013 Anderson, D.M., B.A. Keafer, D.J. McGillicuddy, Jr., A.R. Solow, and J.L. Kleindinst. Improving the accuracy and utility of harmful algal bloom forecasting systems. In: Lewis, J.M., F. Marret, and L. Bradley (Eds.), *Biological and Geological Perspectives of Dinoflagellates*, The Micropalaeontological Society, Special Publications. Geological Society, London, 141-147.
- 2013 Velo Suárez, L., M. Brosnahan, D.M. Anderson, and D.J. McGillicuddy, Jr. A quantitative assessment of the role of the parasite *Amoebophrya* in the termination of *Alexandrium fundyense* blooms within a small coastal embayment. *Plos One*. DOI: 10.1371/journal.pone.0081150.
- 2013 Feary, D.A., J.A. Burt, S. Al Hazeem, M.A. Adel-Moati, K.A. Al-Khalifa, D.M. Anderson, et al., 2013. Critical research needs for identifying future changes in Gulf coral reef ecosystems. *Mar. Poll. Bull.* 72: 406-416.
<http://dx.doi.org/10.1016/j.marpolbul.2013.02.038>
- 2014 Ralston, D.K., B.A. Keafer, M.L. Brosnahan, and D.M. Anderson. Temperature dependence of an estuarine harmful algal bloom: Resolving interannual variability in bloom dynamics using a degree day approach. *Limnol. Oceanogr.* 59(4): 1112-1126.
- 2014 Solow, A.R., A. Beet, B.A. Keafer, and D.M. Anderson. Testing for simple structure in the space-time distribution of *Alexandrium* cysts in the Gulf of Maine. *Mar. Ecol. Prog. Ser.* 501: 291-296.
- 2014 Anderson, D.M., B.A. Keafer, J.L. Kleindinst, D.J. McGillicuddy, Jr., J.L. Martin, K. Norton, C.H. Pilskaln, J.L. Smith, C.R. Sherwood, and B. Butman. *Alexandrium fundyense* cysts in the Gulf of Maine: Long-term time series of abundance and distribution, and linkages to past and future blooms. *Deep-Sea Res. II* 103: 6-26.
<http://dx.doi.org/10.1016/j.dsr2.2013.10.002>
- 2014 Butman, B., A.L. Aretxabaleta, P.J. Dickhudt, P.S. Dalyander, C.R. Sherwood, D.M. Anderson, B.A. Keafer and R.P. Signell. Investigating the importance of sediment resuspension in *Alexandrium fundyense* cyst population dynamics in the Gulf of Maine, *Deep-Sea Res II* 103: 79-95. <http://dx.doi.org/10.1016/j.dsr2.2013.10.011>
- 2014 Pilskaln, C.H., Anderson, D.M., McGillicuddy, D.J., Keafer, B.A., Hayashi, K., Norton, K. Spatial and temporal variability of *Alexandrium* cyst fluxes in the Gulf of Maine: Relationship to seasonal particle export and resuspension. *Deep-Sea Res. II* 103: 40-54. <http://dx.doi.org/10.1016/j.dsr2.2012.11.001>

- 2014 Vahtera, E., B.G. Crespo, D.J. McGillicuddy, Jr., K. Olli, and D.M. Anderson. *Alexandrium fundyense* cyst viability and germling survival in light vs. dark at a constant low temperature. Deep-Sea Res. II 103: 112-119. <http://dx.doi.org/10.1016/j.dsr2.2013.05.010>
- 2014 Pilskaln, C.H., K. Hayashi, B.A. Keafer, D.M. Anderson, and D.J. McGillicuddy, Jr. Benthic nepheloid layers in the Gulf of Maine and *Alexandrium* cyst inventories. Deep-Sea Res. II 103: 55-65. <http://dx.doi.org/10.1016/j.dsr2.2013.05.021>
- 2014 Fernandes, L.F., K.A. Hubbard, M.L. Richlen, J. Smith, S.S. Bates, J. Ehrman, C. Léger, L.L. Mafra, Jr., D. Kulis, M. Quilliam, K. Libera, L. McCauley, and D.M. Anderson. Diversity and toxicity of the diatom *Pseudo-nitzschia* Peragallo in the Gulf of Maine, Northwestern Atlantic Ocean. Deep-Sea Res. II 103: 139-162. <http://dx.doi.org/10.1016/j.dsr2.2013.06.022>
- 2014 McGillicuddy, Jr., D.J., D.W. Townsend, B.A. Keafer, M.A. Thomas, and D.M. Anderson. Georges Bank: A leaky incubator of *Alexandrium fundyense* blooms. Deep-Sea Res. II 103: 163-173. <http://dx.doi.org/10.1016/j.dsr2.2012.11.002>
- 2014 McGillicuddy, Jr., D.J., M.L. Brosnahan, D.A. Couture, R. He, B.A. Keafer, J.P. Manning, J.L. Martin, C.H. Pilskaln, D.W. Townsend, and D.M. Anderson. A red tide of *Alexandrium fundyense* in the Gulf of Maine. Deep-Sea Res. II 103: 174-184. <http://dx.doi.org/10.1016/j.dsr2.2013.05.011>
- 2014 Brosnahan, M.L., S. Farzan, B.A. Keafer, H.M. Sosik, R.J. Olson, and D.M. Anderson. Complexities of bloom dynamics in the toxic dinoflagellate *Alexandrium fundyense* revealed through DNA measurements by imaging flow cytometry coupled with species-specific rRNA probes. Deep-Sea Res. II 103: 185-198. <http://dx.doi.org/10.1016/j.dsr2.2013.05.034>
- 2014 Anderson, D.M., D.A. Couture, J.L. Kleindinst, B.A. Keafer, D.J. McGillicuddy, Jr., J.L. Martin, M.L. Richlen, J.M. Hickey, and A.R. Solow. Understanding interannual, decadal level variability in paralytic shellfish poisoning toxicity in the Gulf of Maine: The HAB Index. Deep-Sea Res. II 103: 264-276. <http://dx.doi.org/10.1016/j.dsr2.2013.09.018>
- 2014 Kleindinst, J.L., D.M. Anderson, D.J. McGillicuddy, Jr., R.P. Stumpf, K.M. Fisher, D.A. Couture, J.M. Hickey, and C. Nash,. Categorizing the severity of paralytic shellfish poisoning outbreaks in the Gulf of Maine for forecasting and management. Deep-Sea Res. II 103: 277-287. <http://dx.doi.org/10.1016/j.dsr2.2013.03.027>
- 2014 Petitpas, C.M., J.T. Turner, J.R. Deeds, B.A. Keafer, D.J. McGillicuddy, Jr., P.J. Milligan, V. Shue, K.D. White, and D.M. Anderson. PSP toxin levels and plankton community composition in size-fractionated vertical profiles during spring/summer blooms of the toxic dinoflagellate *Alexandrium fundyense* in the Gulf of Maine and on

Georges Bank, 2007, 2008, and 2010: 2. Plankton community composition and abundance. *Deep-Sea Res. II* 103: 350-367. <http://dx.doi.org/10.1016/j.dsr2.2013.04.012>

2014 Deeds, J.R., C.M. Petitpas, V. Shue, K.D. White, B.A. Keafer, D.J. McGillicuddy, Jr., P.J. Milligan, D.M. Anderson, and J.T. Turner. PSP toxin levels and plankton community composition and abundance in size-fractionated vertical profiles during spring/summer blooms of the toxic dinoflagellate *Alexandrium fundyense* in the Gulf of Maine and on Georges Bank, 2007, 2008 and 2010: 1. Toxin levels. *Deep-Sea Res. II* 103: 329-349. <http://dx.doi.org/10.1016/j.dsr2.2013.04.013>

2014 Koch, F., Y. Kang, T. Villareal, D. Anderson, and C. Gobler. Novel immunofluorescence flow cytometry technique detects the expansion of brown tides caused by *Aureoumbra lagunensis* to the Caribbean Sea. *Appl. & Env. Microbiol.* 80(16): 4947-4957.

2014 Zhu, I.X., B.J. Bates, and D.M. Anderson. Removal of *Prorocentrum minimum* from seawater using dissolved air flotation in a simulated harmful algal bloom. *Journal of Applied Water Engineering and Research*. DOI: 10.1080/23249676.2014.924440

2014 John, U., W. Litaker, M. Montresor, S. Murray, M.L. Brosnahan, and D.M. Anderson. Proposal to reject the name *Gonyaulax catenella* (*Alexandrium catenella*) (*Dinophyceae*). *Taxon* 63(4): 932-933.

2014 Ishikawa, A., M. Hattori, K.-I. Ishi, D.M. Kulis, D.M. Anderson, and I. Imai. In situ dynamics of cyst and vegetative populations of the toxic dinoflagellate *Alexandrium catenella* in Ago Bay, central Japan. *J. Plankton. Res.* 36(5): 1333-1343. DOI: 10.1093/plankt/fbu048.

2014 John, U., R.W. Litaker, M. Montresor, S. Murray, M.L. Brosnahan, and D.M. Anderson. Formal revision of the *Alexandrium tamarense* species complex (*Dinophyceae*) taxonomy: the introduction of five species with emphasis on molecular-based (rDNA) classification. *Protist.* 165: 779-804.

2014 Anderson, D.M. HABs in a changing world: a perspective on harmful algal blooms, their impacts, and research and management in a dynamic era of climactic and environmental change. In: Kim, H.G., B. Reguera, G. Hallegraeff, C.K Lee, M.S. Han and J.K Choi. (Eds). *Harmful Algae 2012, Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae pp. 3-25.

2014 Greengrove, C.L., J.E. Masura, S.K. Moore, B.D. Bill, L.R. Hay, K.C. Eldred, N.S. Banas, E.P. Salathé, N.J. Mantua, J.A. Johnstone, D.M. Anderson, V.L. Trainer, and J.E. Stein. *Alexandrium* cyst distribution and germination in Puget Sound WA, USA. In: Kim, H.G., B. Reguera, G. Hallegraeff, C.K Lee, M.S. Han and J.K Choi. (Eds). *Harmful Algae 2012, Proceedings of the 15th International Conference on Harmful Algae*. International Society for the Study of Harmful Algae, pp. 97-99.

2015 Moore, S.K. B.D. Bill, L.R. Hay, J. Emenegger, K.C. Eldred, C.L. Greengrove, J.E. Masura, and D.M. Anderson. Factors regulating excystment of *Alexandrium* in Puget Sound, WA, USA. *Harmful Algae* 43: 103-110.

PUBLICATIONS (in press or submitted):

Luo, C.-S., J.-R. Liang, Q. Lin, C. Li, C. Bowler, D.M. Anderson, P. Wang, X.-W. Wang, and Y.-H. Gao. Cellular responses associated with ROS production and cell fate decision in early stress response to iron limitation in the diatom *Thalassiosira pseudonana*. *J. Proteome Res.* (In press).

Hattenrath-Lehmann, T.K., J.L. Smith, R.B. Wallace, L. Merlo, F. Koch, H. Mittelsdorf, J.A. Goleski, D.M. Anderson, and C.J. Gobler. The effects of elevated CO₂ on the growth and toxicity of field populations and cultures of the saxitoxin-producing dinoflagellate, *Alexandrium fundyense*. *Harmful Algae*. (Submitted)

Zhou, J., Y. Lyu, M. L. Richlen, D.M. Anderson, and Z. Cai. Quorum sensing: the signal language and its ecological roles in algal-bacterial interactions. *Microbiology and Molecular Biology Reviews*. (Submitted)

Tong, M., J.L. Smith, M.L. Richlen, K.A. Steidinger, D.M. Kulis, E. Fux, D.M. Anderson. Characterization and comparison of toxin-producing isolates of *Dinophysis acuminata* from New England and Canada. *J. Phycol.* (Submitted)

Petitpas, C.M. J.T. Turner, B.A. Keafer, D. J. McGillicuddy, Jr., and D.M. Anderson. Zooplankton Community Grazing Impact on a Toxic Bloom of *Alexandrium fundyense* in the Nauset Marsh System, Cape Cod, Massachusetts, USA. *Harmful Algae* (In press)

Wells, M.L., V.L. Trainer, T.J. Smayda, B.S.O. Karlson, C.G. Trick, R.M. Kudela, A. Ishikawa, S. Bernard, A. Wulff, D.M. Anderson, and W.P. Cochlan. Harmful Algal Blooms (HABs) and Climate Change; What Do We Know and Where Do We Go From Here? *Harmful Algae* (Submitted)

BOOKS:

1985 Anderson, D.M., A.W. White, and D.G. Baden (Eds.). *Toxic Dinoflagellates*, Elsevier, New York, 561 p.

1989 Okaichi, T., D.M. Anderson and T. Nemoto (Eds.). *Red Tides: Biology, Environmental Science and Toxicology*. Elsevier, New York, 489 pp.

1990 Graneli, E., L. Edler, B. Sundström and D. M. Anderson (Eds.). *Toxic Marine Phytoplankton*. Elsevier, New York, 554 pp.

- 1995 Hallegraeff, G.M., D.M. Anderson and A.D. Cembella (Eds.). *Manual on Harmful Marine Microalgae*. IOC Manuals and Guides No. 33. UNESCO (English only). 551 pp.
- 1997 Anderson, D.M. and D.L. Garrison (Eds.). *The Ecology and Oceanography of Harmful Algal Blooms*. *Limnology and Oceanography* (Vol. 42).
- 1998 Anderson, D.M., A.D. Cembella, and G.M. Hallegraeff (eds). *The Physiological Ecology of Harmful Algal Blooms*, Springer-Verlag, Heidelberg, 600+ pp.
- 2000 Howarth, R.W., Anderson, D.M., Church, T.M., Greening, H., Hopkinson, C.S., Huber, W.C., Marcus, N., Nainman, R.J., Segerson, K., Sharpley, A.N. & Wiseman, W.J. *Clean Coastal Waters: Understanding and Reducing the Effects of Nutrient Pollution*. Washington DC, USA: Ocean Studies Board and Water Science and Technology Board, National Academy Press: 391 pp.
- 2001 Anderson, D.M., P. Andersen, V.M. Bricelj, J.J. Cullen, and J.E. Rensel. *Monitoring and Management Strategies for Harmful Algal Blooms in Coastal Waters*. Asia Pacific Economic Program, Singapore, and Intergovernmental Oceanographic Commission, Paris. 268 pp.
- 2003 Hallegraeff, G.M., D.M. Anderson and A.D. Cembella (eds.). *Manual on Harmful Marine Microalgae*. *Monographs on Oceanographic Methodology*, 11, UNESCO. 794 pp.
- 2004 Hall, S., Etheridge, S., Anderson, D., Kleindinst, J., Zhu, M., and Zou, Y. (Eds.). *Harmful Algae Management and Mitigation*. Asia-Pacific Economic Cooperation (Singapore): APEC Publication #204-MR-04.2. 255 pp.
- 2004 Anderson, D.M., Guest Editor. *Second Symposium on Harmful Marine Algae in the U.S.*, Woods Hole, MA, 9-13, December 2003. *Harmful Algae* 3 (3): 1-271.
- 2005 Anderson, D.M., D.W. Townsend, D.J. McGillicuddy, and J.T. Turner (eds). *The Ecology and Oceanography of Toxic Alexandrium fundyense Blooms in the Gulf of Maine*. *Deep-Sea Res. II* 52: (19-21): 2365-2876.
- 2008 Glibert, P.M., J.M. Burkholder, E. Graneli, and D.M. Anderson. *HABs and Eutrophication*. Special issue, *Harmful Algae* 8: 1-187.
- 2010 Garcés, E., M. Montresor, J. Lewis, K. Rengefors, D.M. Anderson, and H. Barth (eds). *Phytoplankton life Cycles and Their Impacts on the Ecology of Harmful Algal Blooms*. *Deep-Sea Res. II* 57: (3-4): 159-322.
- 2014 Anderson, D.M., D.J. McGillicuddy, Jr., S.L. DeGrasse, K.G. Sellner, V.M. Bricelj, J.T. Turner, D.W. Townsend, and J.L. Kleindinst (Eds.), 2014. *Harmful Algae in*

the Gulf of Maine: Oceanography, Population Dynamics, and Toxin Transfer in the Food Web. Deep-Sea Res. II 103: 1-376.

TECHNICAL REPORTS:

1982 Reynolds, G. T., A. J. Walton, D. M. Anderson, and D. M. Nosenchuck. Response of the dinoflagellate *Gonyaulax polyedra* to parameters of fluid motion. Tech. Rept., Princeton University, Department of Physics.

1984 Garcon, V. C. and D. M. Anderson. A modelling study of the impact of zooplankton grazing on estuarine blooms of the toxic *dinoflagellate Gonyaulax tamarensis*. R.M. Parsons Laboratory, Water Resources and Environmental Engineering. Tech. Note. 26, MIT, Cambridge, MA.

1989 Anderson, D. M. and A. W. White. Toxic dinoflagellates and marine mammal mortalities. Woods Hole Oceanographic Inst. Tech. Rept. WHOI-89-36 (CRC-89-6).

1993 Anderson, D. M., S. B. Galloway, and J. D. Joseph. Marine Biotoxins and Harmful Algae: A National Plan. Woods Hole Oceanographic Inst. Tech. Rept. WHOI-93-02.

1995 Anderson, D. M. ECOHAB - The Ecology and Oceanography of Harmful Algal Blooms: A National Research Agenda. Woods Hole Oceanographic Institution, Woods Hole, MA. 66 pp.

1995 Anderson, D. M., H.-N. Chou, J. F. Forbes and T. Honjo. 1. Red Tides and Harmful Algal Blooms in the Asia-Pacific Region. Final Report of the Red Tide/Toxic Algae Project, prepared for the APEC Secretariat, Singapore. 109 pp.

1995 Anderson, D. M., H.-N. Chou, J. F. Forbes and T. Honjo. 2. Red Tides and Harmful Algal Blooms in the Asia-Pacific Region. Proposed Program. Final Report of the Red Tide/Toxic Algae Project, prepared for the APEC Secretariat, Singapore. 26 pp.

1997 Boesch, D. F., D. M. Anderson, R. A. Horner, S. E. Shumway, P. A. Tester, T. E. Whitedge. Harmful Algal Blooms in Coastal Waters: Options for Prevention, Control and Mitigation. Science for Solutions. NOAA Coastal Ocean Program, Decision Analysis Series No. 10, Special Joint Report with the National Fish and Wildlife Foundation.

1998 Turgeon, D. D., K. G. Sellner, D. Scavia, and D. M. Anderson. Status of U.S. Harmful Algal Blooms: Progress Towards a National Program. NOAA, U.S. Department of Commerce, 22+ pages.

- 1998 Anderson, D. M. Literature Review and Background Information. Technical Report No. 1, prepared for the Agriculture and Fisheries Department, Hong Kong. 115 pp.
- 1999 Anderson, D. M., P. Andersen, V. M. Bricelj, J. J. Cullen, I. J. Hodgkiss, J. E. Rensel, and J. T. Y. Wong. Red Tide Monitoring and Management Strategies. Technical Report No. 2, prepared for the Agriculture and Fisheries Department, Hong Kong. 240 pp.
- 1999 Anderson, D.M., P. Andersen, V. M. Bricelj, J. J. Cullen, I. J. Hodgkiss, J. E. Rensel, J. T. Y. Wong, and R. Wu. Proposed Red Tide/HAB Monitoring and Management Programme. Technical Report No. 3, prepared for the Agriculture and Fisheries Department, Hong Kong. 262 pp
- 1999 Anderson, D.M., P. Andersen, V. M. Bricelj, J. J. Cullen, I. J. Hodgkiss, K. C. Ho, J. E. Rensel, J. T. Y. Wong, and R. Wu. Red Tide – HAB Monitoring and Management in Hong Kong. Final report, prepared for the Agriculture and Fisheries Department, Hong Kong. 254 pp.
- 2000 Luttenberg, D., D. Anderson, K. Sellner, and D. Turgeon. National Assessment of Harmful Algal Blooms in U.S. Waters. National Science and Technology Council Committee on Environment and Natural Resources. 38 pp.
- 2000 Anderson D.M., B.A. Keafer and J.T. Turner. Red tide surveys in Massachusetts Bay, 1999. Boston: Massachusetts Water Resources Authority. Report 2000-17. 23 p.
- 2000 Anderson, D.M., P. Hoagland, Y. Kaoru, and A.W. White. Estimated Annual Economic Impacts from Harmful Algal Blooms (HABs) in the United States. Woods Hole Oceanographic Inst. Tech. Rept., WHOI 2000-11. (99 pp).
- 2001 Anderson, D.M., B.A. Keafer, J.H. Churchill, and T.C. Loder. Post-outfall Surveys of Toxic *Alexandrium fundyense* Populations in Massachusetts Bay, 2001. Final Report to the Massachusetts Water Resources Authority. Environmental Quality Department Technical Report Series 2002-08. 36 p.
- 2001 Cammen, L., D.M. Anderson, and Q. Dortch. Prevention, Control and Mitigation of Harmful Algal Blooms: A Research Plan. Report for Congress, National Sea Grant College Program, National Oceanic and Atmospheric Administration, Silver Spring, MD. 24 pp.
- 2004 Anderson P. S., B. Currie, D.C. Louw, D.M. Anderson, M. Fernández-Tejedor T. McMahon, I. Rangel, P. Ellitson, and O. Torres. Feasibility study for cost-effective monitoring in Namibia and Angola with an analysis of the various options for implementation of Shellfish Safety Programs. Final report, BCLME project EV

HAB/02/02a: Development of an Operational Capacity for Monitoring of Harmful Algal Blooms in Countries Bordering the Northern part of the Benguela Current Large Marine Ecosystem: Phase 1 – Design.

2004 Anderson, D.M., M.R. Sengco, A. Li, and S.E. Beaulieu. Control of Florida red tides using phosphatic clay. Final report, prepared for Florida Institute of Phosphate research, Bartow, FL, 83 pp.

2004 Anderson, D.M., P.S. Anderson, T. McMahon, M. Fernández-Tejedor, B. Currie, D. Louw, and I. Rangel. A synthesis of requirements of various sectors of government and industry relating to microalgal toxins and other sanitary issues. Second report, BCLME project EV HAB/02/01: Harmonization of Regulations for Microalgal Toxins for Application in Countries Bordering the Benguela Current Large Marine Ecosystem. 83 pp.

2004 Currie, B., D.M. Anderson, P.S. Anderson, D. Louw, M. Fernández-Tejedor, A. DA Sliva, and I. Rangel. Review and assessment of existing policies and approaches regarding Harmful Algal Bloom management, marine water quality, and shellfish sanitation in Angola, Namibia and South Africa. First report, BCLME project EV HAB/02/01: Harmonization of Regulations for Microalgal toxins for application in countries bordering the Benguela Current Large Marine Ecosystem.

2004 Fernández-Tejedor, M., D.C. Louw, D.M. Anderson, I. Rangel, B. Currie, and P. Anderson. Review of existing information on Harmful Algal Blooms in Angola, including past and present monitoring of phytoplankton. First report, BCLME project EV HAB/02/02a: Development of an Operational Capacity for Monitoring of Harmful Algal Blooms in Countries Bordering the Northern part of the Benguela Current Large Marine Ecosystem: Phase 1 – Design.

2005 Currie, B., D. Louw, D.M. Anderson, P.S. Anderson, M. Fernández-Tejedor, T. McMahon, and I. Rangel. Multi-stakeholder workshop for best implementable management approaches for molluscan shellfish safety in the Benguela region, 1 February 2005. Workshop report, BCLME project EV/HAB/02/01: Harmonization of Regulations for Microalgal Toxins for Application in Countries Bordering the Benguela Large Marine Ecosystem and BCLME project EV/HAB/04 SHELLSAN Development of a Shellfish Sanitation Program Model for Application in consort with the Microalgal Toxins Component.

2005 Louw, D., B. Currie, D.M. Anderson, P.S. Anderson, M. Fernández-Tejedor, T. McMahon, I. Rangel, and P. Ellitson. A proposed Benguela region shellfish sanitation monitoring program. Third report, BCLME project EV/HAB/02/01: Harmonization of Regulations for Microalgal Toxins for Application in Countries Bordering the Benguela Large Marine Ecosystem.

- 2005 Ramsdell, J.S., D.M. Anderson, and P.M. Glibert (Eds). HARNNESS. Harmful Algal Research and Response: A National Environmental Science Strategy 2005-2015. Ecological Society of America, Washington, DC, 96 pp.
- 2007 Currie, B., T. McMahon, D.M. Anderson, P.S. Anderson, D. Louw, M. Fernández-Tejedor, P. Ellitson, C. Chikwililwa, R. Kaakunga, L. Sebastiao, and I. Rangel. An interim report on the status of implementation of shellfish sanitation programs in Namibia and Angola. First report, BCLME project EV HAB/06/01: Development of an Operational Capacity for a Shellfish Sanitation Monitoring Program in Countries Bordering the Northern Part of the Benguela Current Large Marine Ecosystem: Phase II – Implementation.
- 2007 Anderson, D.M., and J.L. Kleindinst. *Toxic red tides and harmful algal blooms (HABs): threats to the recreational boater*. Prepared for Bonnell Cove Foundation and published on Cruising Club of America website - http://www.cruisingclub.org/seamanship/seamanship_environment.htm
- 2008 Dortch, Q., D. Anderson, D. Ayres, and P. Glibert (Eds.) HAB RDDTT. 2008. Harmful Algal Bloom Research, Development, Demonstration, and Technology Transfer National Workshop Report, Woods Hole, MA.
- 2011 Executive Office of Energy and Environmental Affairs and Adaptation Advisory Committee. Massachusetts Climate change adaptation report. MA Executive Office of Energy and Environmental Affairs, Boston, MA. 121 pp.