

Christopher F. D'Elia
Professor and Dean
School of the Coast and Environment
Louisiana State University

Academic Credentials

A.B., Middlebury College, Vermont, 1968 (Biology)

Ph.D., University of Georgia, 1974 (Zoology)

Dissertation: *Aspects of the Phosphorus Flux of Scleractinian Corals.*

Professional Experience

2009- Professor and Dean, School of the Coast and Environment, Louisiana State University
2007-2008 Interim Vice Chancellor for Academic Affairs, University of South Florida St. Petersburg
2004-2009 Regional Associate Vice Chancellor for Research and Graduate Studies and Professor of Environmental Science and Policy, University of South Florida St. Petersburg
2002-2004 Professor of Biology and Public Administration and Policy, University at Albany, SUNY
1999-2002 Vice President for Research, Professor of Biology, University at Albany, SUNY
1989-1999 Director, Maryland Sea Grant College, University System of Maryland, College Park, Maryland.
1994 Provost, University of Maryland Biotechnology Institute
1988-1999 Professor, Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science, Solomons, Maryland.
1987-1989 Program Director, Biological Oceanography Program, Division of Ocean Sciences National Science Foundation, Washington, D.C. (Rotator, on leave of absence from the University of Maryland, June, 1987-February, 1989.)
1983-1988 Associate Professor, Chesapeake Biological Laboratory, University of Maryland Center for Environmental and Estuarine Studies, Solomons, Maryland.
1982-1983 Associate Curator and Distinguished Ruth Patrick Scholar in Aquatic Studies, Division of Environmental Research, Academy of Natural Sciences of Philadelphia, Philadelphia, Pennsylvania. (On leave of absence from the University of Maryland, December, 1982-January, 1984.)
1984- Research Associate, Division of Environmental Research, Academy of Natural Sciences of Philadelphia, Philadelphia, Pennsylvania.
1977-1983 Assistant Professor, Chesapeake Biological Laboratory, University of Maryland Center for Environmental and Estuarine Studies, Solomons, Maryland.
1975-1977 Noyes Postdoctoral Fellow in Aquaculture, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts.
1975 Visiting Assistant Professor, Department of Biological Sciences, University of Southern California, Los Angeles, California.
1974 Postdoctoral Scholar, University of California, Los Angeles, California.

Selected Research Publications and/or Professional Reports

- C.F. D'Elia, P.A. Steudler and N. Corwin. 1977. Determination of total nitrogen in aqueous samples using persulfate digestion. *Limnol. Oceanogr.* 22:760-764.
- C.F. D'Elia and J.A. DeBoer. 1978. Nutritional studies of two red algae. II. Kinetics of ammonium and nitrate uptake. *J. Phycol.* 14:266-272.
- K.L. Webb and C.F. D'Elia. 1980. Nutrient and oxygen redistribution during a spring/neap tidal cycle in a temperate estuary. *Science* 207:983-985.
- C.F. D'Elia, K.L. Webb and J.W. Porter. 1981. Nitrate-rich groundwater inputs to Discovery Bay, Jamaica: A significant source of N to local coral reefs? *Bull. Mar. Sci.* 31:903-910.
- C.F. D'Elia, J.G. Sanders and W.R. Boynton. 1986. Nutrient enrichment studies in a coastal plain estuary: phytoplankton growth in large-scale, continuous cultures. *Can. J. Fish. Aquat. Sci.* 43:397-406.
- C.B. Cook, and C.F. D'Elia. 1987. Are natural populations of zooxanthellae ever nutrient-limited? *Symbiosis* 4:199-212.
- C.F. D'Elia. 1988. The cycling of essential elements in coral reefs, pp.195-230. In: L.R. Pomeroy and J.J. Alberts [eds.], *Concepts of Ecosystem Ecology*. Springer-Verlag, N.Y.
- Suszkowski, D. J., and C. F. D'Elia. 2006. The History and Science of Managing the Hudson River, pp. 313-334. In: J. S. Levinton and J. Waldman, editors. *The Hudson River*. Cambridge University Press, Cambridge, New York.
- Pomeroy, L.R., C.F. D'Elia, and L.C. Schaffner. 2006. Limits to top-down control of phytoplankton by oysters in Chesapeake Bay. *Mar. Ecol. Prog. Ser.* 325: 301–309.

Other Professional Information Related to Current Position

ACADEMIC EXPERTISE

Nutrient dynamics in aquatic systems; estuarine ecology; coral reef ecology; algal/invertebrate symbiosis; science policy; math and science education; marine pollution; global climate change; analytical chemistry

PROFESSIONAL AFFILIATIONS AND SERVICE ACTIVITIES

American Association for the Advancement of Science (1973-; Fellow, 1991-); American Society of Limnology and Oceanography (1971-; Special Committee on Job Opportunities and Newsletter, Chairman, 1977; Editorial Board, 1983-1987; Chair, Public Affairs Committee, 1987; Future of ASLO Committee, 1988); Middlebury College Alumni Admissions Support Team, 1979-86; Nutrient Steering Committee, USEPA Chesapeake Bay Program, 1980; State of Maryland, Patuxent River Technical Advisory Group, 1980 – Acting Chairman, 1980; Chairman, 1981-1982; State of Maryland, Coastal Resources Advisory Committee, Regional Citizen Representative, Lower Western Shore, 1982-1983; Tri-County Council for Southern Maryland Natural Resources and Environmental Affairs Committee, 1985-1986; Chesapeake Bay Commission, Point Source Workgroup, 1985; Elected member of the Corporation, Bermuda Biological Station for Research, Inc., 1986-1998; Maryland Sea Grant Program Scientific Advisory Committee, 1980-85; Citizens Advisory Committee, Calvert County (MD) Board of Education, 1986-1987; Chesapeake Bay Program, Scientific and Technical Advisory Committee (1993–9); Council of Scientific Society Presidents (1990-; Secretary, 1993-1995; Treasurer, 1996-1998, Chair-

elect, 1998, Chair, 1999, Past Chair, 2000, Chair Emeritus, 2001-); Council of Sea Grant Directors (Chair-elect, 1994), Ecological Society of America (Chairman, Public Affairs Committee, 1990-1991, Vice Chair, Public Affairs Committee, 1991-1993), Estuarine Research Federation (Vice President, 1989-1991; President, 1991-1993; Past President, 1993-1995); International Society for Coral Reef Studies; National Association of Environmental Professionals — Maryland Chapter (Board of Directors, MD Chapter, 1984); Sigma Xi (1983-); National Association of State Universities and Land Grant Colleges, Marine Division, now Board on Oceans and Atmosphere, Education Committee Chair (1990-1991), Co-Chair (1995); Commission on Food, Environment and Renewable Resources, Legislative Committee, Chair (1997); Executive Committee, Council on Research Policy and Graduate Education (2001-2002); Mid-Atlantic Regional Marine Research Board, Chair, 1991-1995; Astrolabe, Inc., Board of Directors (1991-9; Vice President, 1994-9); Sea Grant Association (President, 1991-1992, 1999; President-elect, 1997-1998; Co-Chair, Federal Relations Committee, 1993-1995; External Relations Committee, Chair, 1995-6); The Oceanography Society (Charter Member, 1988, Life Member, 1989-); Hudson River Foundation, Board of Directors (1996-2012); Leadership Maryland, Class of 1997; Albany-Colonie Regional Chamber of Commerce, Executive Institute (1999); Editorial Board, Journal of Business and Society (2001-4); Industrial Research Institute, Academic Advisory Committee (2001-2004); Great Lakes Research Consortium, Board of Governors (1999-); Great Lakes Program, University at Buffalo, Advisory Board (2002-4); Nominator, Pew Fellows Program in Marine Conservation, 2003; Vice Chairman, Board of Directors, The Science Center, Pinellas County (2004-5), Chairman (2006-8); Board of Directors, Community Water Leadership Program (2004); Leadership St. Petersburg (2005); Member, U.S. National Committee for the Intergovernmental Oceanographic Commission of UNESCO (2007-); Fellow, Northern Gulf Research Institute, (2009-); Department of Interior South-Central Climate Science Center LSU Consortium Member PI, (2011-); Chair, Coastal and Environmental Research Committee, Southeastern University Research Association (2011-).

PROFESSIONAL & PERSONAL RECOGNITION

National Science Foundation Traineeship; Certificate of Service, Tri-County Council of Southern Maryland; President's Award, Sea Grant Association; Meritorious Service Award, Chesapeake Bay Program; Maryland Governor's Salute to Excellence Award; *Who's Who in America*, *Who's Who in the East*; *American Men and Women of Science*; *Who's Who in Technology Today*; *Who's Who in the Frontiers of Science and Technology*; elected to membership, Cosmos Club, Washington, D.C. and fellow, AAAS; Certificate of Recognition, Black Faculty and Professional Staff, University at Albany, SUNY.

CONSULTING & PEER REVIEW ACTIVITIES

Companies, Organizations, & Higher Education

Wampanoag Tribal Council, Martha's Vineyard, MA, 1975-1976; Proyectos Marinos, S.C., Mexico, D.F., 1980-1983; Century Engineering, Inc., Towson, MD, 1980-1981; Land Design Associates, Huntington, NY, 1983; USEPA Chesapeake Bay Program, Annapolis, MD, 1982; Computer Station, Philadelphia, PA, 1983-1984; The Architect's Collaborative, Boston, MA, 1984; Briscoe, Kenney and Kaminetz, P.A., Lexington Park, MD, 1984; J. Abell Clark, 1985, 1986; Cove Corporation, 1986; Blonberg, Inc., 1986; Anne Arundel County, MD, 1988-1989; University of Wisconsin System, Centers of Excellence Review Committee, 1988; Florida Bay Peer Review Panel, USDI (1993-5); External Review Committee, Institute of Marine and Coastal Sciences, Rutgers University, 1996; CALFED ERPP Scientific Review Panel (1997-); Scientific Review Panel, Budd Inlet Study Plan, State of Washington Department of Ecology (1997); Florida Bay Program Modeling Evaluation Group (Co-chair, 1996-);

Academic Fleet Review Panel, National Science Foundation (1998); Advisor to Florida Keys Carrying Capacity Study (1999); National Institute of Justice, Technical Working Group in Education (2001-2002); Nominator, Pew Fellows Program in Marine Conservation (2003); Kansas EPSCoR Program, AAAS Review Team (2005); Delaware EPSCoR Program, AAAS Review Team; Louisiana Board of Regents Post-Katrina Support Fund Initiative (P-KSFI) (2007).

Funding Agencies & Organizations

Earthwatch; Hudson River Foundation; National Science Foundation (Biological Oceanography Program; Chemical Oceanography Program; USDA; Cell Biology Program; Metabolic Biology Program; International Programs; Oceanographic Facilities Support; Oceanographic Technology, including numerous review panels, most recently NSF/GEO/Centers for Ocean Science Education Excellence (COSEE) program and NSF/EHR Mathematics-Science Partnership Program; NOAA Sea Grant (National, Florida, Maryland, Hawaii, Maine/New Hampshire, North Carolina, Rhode Island, Wisconsin); External Faculty Promotions; National Geographic Society; National Environmental Research Council (England); USDA; USGS; USEPA (e.g., Panel Member, EPA National Center for Environmental Research's program on the Effects of Climate Change on Ecosystem Services Provided by Coral Reefs and Tidal Marshes, 2004); member Texas Sea Grant Program Assessment Team, NOAA, 2004.

Journals

Ambio; Biogeochemistry; Biological Bulletin; BioScience.; Bulletin of Marine Science; Canadian Journal of Fisheries and Aquatic Science; Chesapeake Science; Coral Reefs; Ecology; Estuarine and Coastal Marine Science; Estuaries; Estuarine Research Federation; Journal of Marine Research; Journal of Phycology; Limnology and Oceanography; Marine Biology; Marine Biology Letters; Marine Chemistry; Marine Ecology – Progress Series; Micronesica; Nature; Proceedings of the National Academy of Science; Pacific Science; Science

GRADUATE STUDENTS

Griffith, P.C., M.S., UMCP, 1982, *Computer-Assisted Measurement of Marine Community Metabolism*; Robichaux, David M., M.S., UMCP, 1982, *The Relationship of Phycoerythrin Content to C:N Ratio in Two Species of Red Algae*; Domotor, Stephen L., M.S., UMCP, 1982, *Nutrient Uptake Kinetics and Growth of Zooxanthellae in Laboratory Culture*; Yamada, Susan S., M.S., UMCP, 1982, *Silicic Acid Regeneration from Estuarine Sediments*; Ferrier, M. Drew, Ph.D., UMCP, 1992, *Amino Acid Fluxes of Algal/Invertebrate Associations*; Rule, Timothy M.S., UMCP, 1996, *Groundwater Withdrawal, Land Subsidence and Marsh Loss in the Chesapeake Bay Region of Maryland*. Numerous graduate student committees.

GRANTS AND CONTRACTS HELD

Numerous grants and contracts totaling over \$10 million from a variety of agencies including: EPA; DOE (ERDA); Maryland Department of Natural Resources; Maryland Department of the Environment; Maryland Office of Environmental Programs; NASA; NIH, NOAA; NSF; USDI; Water Resources Research Center (detailed list available on request).

RECENT UNDERGRADUATE TEACHING ACTIVITIES

SUNYA Biology 306, USFSP EVR 4930 Marine Biology; SUNYA Public Administration and Policy 485/585 Hudson River Watershed; LSU ENVS 4261 Energy and Environment