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Awards: Phi Lambda Upsilon Chemical Honor Society
Aldo Leopold Leadership Fellowship 2001
Estuaries – recognized for outstanding contributions to peer review 2005
American Association for the Advancement of Science Fellow, Class of 2013
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Societies: American Association for the Advancement of Science
Council Delegate for Biological Sciences 1995-1998
American Geophysical Union
American Society of Limnology and Oceanography
American Association of Underwater Sciences
American Chemical Society
Ecological Society of America
Estuarine Research Society:
Governing Board 1988-1990; President-Elect 1997-1999, President 1999-2001, Past-President 2001-2003
New England Estuarine Research Society
Member-at-Large 1987-1989; President 1989-1991
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Professional Appointments:

Director, Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA, 2024-present
Interim Director, Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA, June 2016-2024
Senior Scientist, Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA, 2003-present
External Graduate Faculty, University of Maine, School of Marine Science 2018-2023, 2026-2031
Professor MBL/Brown Joint Program 2007-2018
Graduate Faculty, Graduate School of Oceanography, University of Rhode Island 2005-2018
Associate Scientist, Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA, 1990-2003
Adjunct Associate Professor, Boston University, Boston, MA, 1991-Present
Assistant Scientist, Ecosystems Center, Marine Biological Laboratory, Woods Hole, MA, 1983-1989
Postdoctoral Investigator, Woods Hole Oceanographic Institution, Woods Hole, MA, 1982-1983
Coordinator, Summer Marine Ecology Course, Marine Biological Laboratory, Woods Hole, MA, Summer 1981
Research Assistant, Boston University Marine Program, Woods Hole, MA, 1977 - 1981
Teaching Fellow, Boston University Marine Program, Woods Hole, MA, 1975 - 1977
Taught Freshman Chemistry Lab, Rensselaer Polytechnic Institute, Summer 1975

Publications:

Giblin, A. E., A. Bourg, I. Valiela and J. M. Teal. 1980. Uptake and losses of heavy metals in sewage sludge by a New England salt marsh. American Journal of Botany 67: 1059-68.

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Nelson, J. A., D. S. Johnson, N. Weston, J. Lesser, E.M. Foster, L.Ramirez-Joseph, E. Jesseph, J. Tucker, V. Acosta Rodriguez, J. McClelland, A.E. Giblin, L. Deegan. Boundary forcing and food web rewiring permit range expansion. (in revision)

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Book Reviews:

Review of F. M. Morel, "Principles of Aquatic Chemistry" for Biogeochemistry, 1(4).
Review of Glibert, P.M. and T. M. Kana (Eds) "Aquatic Microbial Ecology and Biogeochemistry: A Dual Perspective" for Harmful Algae (2017) vol 68.
Review of Macfarlane, S. (2018) "Swirling Currents: Controversy, Compromise and Dynamic Coastal Change". Gulf of Maine Institute Journal Vol II Number 3.

Media/Outreach:

Appeared in the movie "Tunnel Visions" about the Boston sewage outfall. The show aired on public TV station WGBH several times during 1994-1996.
NPR Science Radio Program: Earth and Sky, Dec. 2000.
WCIA& WNAN, Cape and Islands NPR Station, interviewed for story on acid rain, Feb. 2003.
KTNA, Alaska Public Radio, interviewed for a story on the role of benthic production in Arctic Lakes and on diving in Arctic lakes, July 2004.
Terrascope Radio – 2008. Featured in a "Science Minute" about research conducted by Ecosystems Center. Terrascope Youth Radio is a partnership project of the Massachusetts Institute of Technology (MIT) and the City of Cambridge Youth Programs and is sponsored by the National Science Foundation.
New York Times, Science section September 2, 2008. Beyond carbon: scientists worry about nitrogen's effects. By Richard Morgan http://www.nytimes.com/2008/09/02/science/02nitr.html?ei=5070&emc=eta1>Beyond Discussed some of the work at the Toolik field station in the context of changes in the global N cycle.
NSF- Science Nation – A video about the research going on at the Plum Island Ecosystems LTER produced for the National Science Foundation https://www.nsf.gov/news/special_reports/science_nation/plumisland.jsp September 2014.
Gulf of Maine Institute Journal, (2016) "Rising Sea Levels Demonstrate Climate Change Impacts Local Communities" https://www.gulfofmaineinstitute.org/single-post/2017/07/06/Research-Updates
WCAI. Salt Marshes Help Keep us above Water, Jan 23, 2017 http://capeandislands.org/post/salt-marshes-help-keep-us-above-water#stream/0 Interview with Heather Goldstone.
Climate Conversations - video about Science at Plum Island Ecosystems LTER and the importance of Federal Funding. https://vimeo.com/209801741 Posted March 2017.
WBUR. Why this invasive plant has a shot at some redemption. Nov. 27, 2018. http://www.wbur.org/news/2018/11/27/phragmites-salt-marsh
Science News: Crabs on the move: Climate migrants fiddle with the Great Marsh https://www.youtube.com/watch?v=G_emwZaIo7k

Other Activities:

Cruise: R/V Oceanus #46, Sorting and Identifying Benthic Organisms; 24-30 May 1978
Cruise: R/V Knorr #73-16, Chemical Analysis of Interstitial Water Samples; 29 June - 21 July 1979
Cruise: R/V Ibis, Sediment and water sampling on Lake Victoria; 5-12 April 1996
Testified on the Final EIS on the MDC Proposed Sludge Management Plan, Boston; 1979
Testified as Expert Witness for Swansea, MA in "Swansea vs. Fall River" concerning proposed sewage discharge; November 1980
Co-Instructor in Marine Pollution Course, "Isle of Shoals Marine Station"; August 1983
Submitted Testimony to EPA on "Proposed Regulation of Fuel and Fuel Additives: Lead Phase Down"; Sept. 1984
Advisor to Natural Resources Defense Council in "Norfolk Southern vs. Oberly"
Member, Waquoit Bay National Estuarine Research Reserve Advisory Committee, 1986-1992
Research Committee of Waquoit Bay National Estuarine Research Reserve, Chair 1986-1992
Member, NSF Panel, Presidential Young Investigators Award, January 14-15, 1988
Member, NSF Panel, Land Margin Ecosystems Research, May 5-6, 1988

Member, NSF Panel, Facilities for Field Stations and Marine Labs, July 18-19, 1991
Member, NSF Sponsored Workshop: Antarctic Dry Valleys: Terrestrial and Aquatic Ecosystems, 6-9 Oct. 1991
Member, NAS Panel on the Coastal Ocean Program. 1993-95
Member, NSF Panel, Environmental Geochemistry and Biogeochemistry, May 1995
Member, Model Evaluation Group, Massachusetts Water Resources Authority, 1993-95
Member, NSF/NOAA Panel, Coastal Studies of the Great Lakes December 4-6, 1996
Member, NSF/NOAA Panel, Coastal Studies of the Great Lakes May 19-21, 1997
Member of Panel to evaluate Gulfwatch, Oct. 1997
Member, Science Board for the National Parks Service, Cape Cod National Seashore, 1997-2002
Member, Advisory Board, Cornell Research Training Grant in Biogeochemistry, 1997-2002
Chair, Cooperative Institute for Coastal and Estuarine Environmental Technology Advisory Board, 1999-2006
Local Organizer: April 1988 NEERS Meeting, Marine Biological Laboratory
Co-Local Organizer: AAUS 1989 National Meeting, Joint MBL/WHOI
Co-Organizer: ERF 2002 workshop: Estuarine Response to Climate Change and Variability. April 7-9, 2002.
Steering Committee: Workshop on Advanced Approaches to Quantify Denitrification, May 2004.
Steering Committee: Denitrification Research Coordination Network, 2005-2007
Co-Chair, Nutrients and Contaminants Working Group, Workshop on Planning Coordinated Research on Ecosystems, Climate, and Policy in the Northeast. Sponsored by WHOI and NMFS Jan 11-13, 2005.
Member, NSF Panel, Biocomplexity, coupled human and natural systems, 2005
Member, NSF Panel DEB; April 2005, April 2006, April 2008, April 2009, April 2012, April 2017; FSML 2017
Member, Board of Gulf of Maine Institute, 2009-present, Chair 2015-present
Member, EPA Advisory Board for Nutrient Criteria for Florida Marine and Inland Waters 2010-2011
Member, Buzzards Bay Scientific Advisory Committee 2013-present
Member, Cape Cod Commission 208 Monitoring Subcommittee Committee 2014-2018
Member, LTER Executive Board, 2014-2017; 2023-present
Member, National Estuarine Research Reserves Science Collaborative Advisory Board, 2014-2016
Member, NSF FEW Workshop: Closing the Human Phosphorus Loop." June 8-9 2015
Member, NEON Science, Technology and Education Advisory Committee (STEAC) Sept 2016-Aug. 2022
Member, DOE, Biological and Environmental Research Advisory Committee (BERAC), subcommittee on user facilities, Feb 2018-2019
Member, State Commission on Ocean Acidification – October 2019-December 2020
Member, Scientific Advisory Board, DOE Coastal Observations, Mechanisms, and Predictions Across Systems and Scales COMPASS program, August 2021-present
Member, Mass Ecosystem Climate Adaptation Network Salt Marsh Working Group, 2018-Present
Member, Scientific Advisory Committee, MassMarsh Advisory Committee, March 2024-Present
Member, NSF Panels 2023, 2024, 2025

Primary Advisor

Ketil Koop-Jakobsen, Ph.D. 2009 Boston University
Leanna Heffner, University of Rhode Island, Ph.D. 2013 Co-advisor (with Charles Roman)
Lindsay Brin, Brown University, Ph.D. 2013 Co-advisor (with Jeremy Rich)
William Daniels, Brown University, Ph.D. 2017 Co-advisor (with James Russell)

Graduate Committees:

Joseph Costa, Ph.D. 1987, Boston University, Marine Program
Diana Varela, M.S. 1990, Boston University Marine Program
Gary Banta, Ph.D. 1992, Boston University Marine Program
Georgia Murray, M.S., 1994, University of New Hampshire
Michael LaMontagne, Ph.D. 1994, Boston University Marine Program
John Portnoy, Ph.D. 1994, Boston University Marine Program
Dean Moosavi, Ph.D. 1998, University of New Hampshire
Cristina Zago, Ph.D. 1998, University of Venica, Italy
Jennifer Hauxwell, Ph.D. 2000, Boston University Marine Program
Joseph Walsh, Ph.D. 2000, Boston University
Pingsan Zhao, Ph.D. 2000, University of Georgia
Thomas Mondrup, MS. 2000. University of Roskilde

Erica Stieve, M.S. 2001, Boston University Marine Program
Jesse Schwartz, Ph.D. 2002, Boston University
Marci Cole, Ph.D. 2002, Boston University
Gregg Moore, Ph.D. 2002, Boston University
Ketil Koop-Jakobsen. MS. 2003, University of Roskilde, Denmark
Ruth Herrold, Ph.D. 2003, Boston University
Sarah Good, MS, 2004, Boston University
Jennifer Bowen, Ph.D. 2004, Boston University
Joanna York, Ph.D. 2006, Boston University
Gretchen Gettel, Ph.D. 2006, Cornell University
Mirta Teichberg, Ph.D. 2007, Boston University
Robinson Fulweiler, Ph.D. 2007, University of Rhode Island
Liza Fox, MS, 2007, Boston University Marine Program
Jennifer Culbertson, Ph.D. 2007, Boston University Marine Program
Sophia Fox, Ph.D. 2007, Boston University Marine Program
Emily Peacock, M.S. 2007, Boston University Marine Program
Ylva Olsen, Ph.D. 2008, Boston University Marine Program
Lindsey Brin, M.S. 2008, Boston University Marine Program
Nadine Stewart Lysiak, Ph.D. 2008, Boston University Marine Program
Erin Kinney, Ph.D. 2010, Boston University Marine Program
Luke Cole, Ph.D. 2010, U. of Virginia
Lindsey Fields, Ph.D. 2013, University of Rhode Island
Elise Heiss, Ph.D. 2014, Boston University
Anna Murphy, Ph.D. 2015, Virginia Institute of Marine Science
Stuart Waugh, Ph.D. SUNY, 2015, Stony Brook
William Longo, Ph.D. 2017, Brown University
Lillian Aoki, Ph.D. 2018, University of Virginia
Ashley Bulseco, Ph.D. 2018, Northeastern University
Kiran Upreti, Ph.D. 2019 LSU
Sarah Foster, Ph.D. 2019, Boston University
Kenneth Czapla, Ph.D. 2021, Virginia Institute of Marine Science
Claudia Mazur, Ph.D., 2022, Boston University,
Katherine Haviland, Ph.D. 2023, Cornell University
Zachary Moats, M.S., 2025, Villanova University
Camila Silvia, M.S., 2025, Villanova University
Rachel Presley, Ph.D. University of Maine, Orno
Raechel Hearth, Ph.D., University of Chicago
Marcela Miranda, M.S., University of Maine, Orno
Britany Gao, Ph.D. University of Georgia
Granados, Paola, Ph.D. University of Virginia
Catlin Haley, MS, University of Maine
Catherine Mahoney, Ph.D., Boston University
Mingyu Zhang, Ph.D., Yale University

External Examiner
John Amaral, 1992, Ph.D. University of Manitoba
Grace Ann Hung, 2005, MS, McGill University
Elizabeth Robertson, Ph.D. 2015, U. Southern Denmark

Reader or Co-Advisor for Undergraduate Senior Theses:
Philip Colarusso, 1986, Worcester Polytechnic Institute
Fiona Boyer, 1997, Stirling University, Scotland
Shana Rapaport, 1999, Brandeis University
Richard Ricard, 2000, Connecticut College
Jeremy Sinaikin, 2000, Brown University

Adena Greenbaum, 2001, Wellesley College
Kyle Witteinghill, 2002, Middlebury College
Sarah Foster, 2005, Hampshire College
Craig McGowen, 2007, Brown University
Nick Peng, 2010, Connecticut College
Julia Russell, 2014, Columbia University
Emily Stone, 2016, Clark University

Internal Committees and Activities:

Seminar Committee, Ecosystems Center, 1983-1984
Annual Report Committee, Ecosystems Center, 1983-1984
Chairman, Education Committee, Ecosystems Center, 1984-1986, 1989-1993
Chairman, Facilities Committee, Ecosystems Center, 1987-1989; 1992-1997
Chairman, Ad-Hoc Diving Safety Committee, MBL, 1985
Member, Diving Control Board, MBL, 1986-Present; Chair - 1993-Present
Sewage Project Oversight Committee, Ecosystems Center, 1986-1990
Member, Nominating Committee, MBL Corporation, 1986, 1991
Member Year-round Scientist Council, MBL, 1989
Member, Human Resources Manager Search Committee, MBL, 1988
Member, Ad-Hoc Grievance Committee, MBL, 1989
MBL Representative, Coastal Research Center, WHOI 1992-2000
Member By-Laws Review Committee, MBL, 1989-1991
Member Fellowship Committee, MBL 1991-1997
Member Lakian Fellowship Committee 1993-4
Member Review for the Marine Resources Center, 2002
Member MBL Science Council 2005-2006
Member MBL Safety Committee 2006-present
Member, Education Director Search Committee, MBL, 2009
Member, Director's Council, 2016-present
Member, Director's Search Committee, 2017