

Department of Biological and Environmental Sciences  
Longwood University  
201 High Street  
Farmville, VA 23909

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# DINA M. LEECH

Appointed: August, 2013

Rank at Appointment: Assistant Professor

Date(s) of Part-time Employment: N/A

Date(s) of Leave of Absence from Longwood: N/A

## EDUCATION

Ph.D., Environmental Sciences, 2001

Department of Earth and Environmental Sciences, Lehigh University, Bethlehem, PA

Dissertation: "Tolerance and Behavioral Responses of Freshwater Zooplankton to UV Radiation"

Advisor: Dr. Craig Williamson

B.Sc., Biology, 1994 (Ecology Concentration) Magna cum laude

James Madison University, Harrisonburg, VA

Thesis: "Timing of Chromatin Diminution in Freshwater Cyclopidae"

Advisor: Dr. Grace Wyngaard

## ACADEMIC EMPLOYMENT

Department of Biological and Environmental Sciences, Longwood University

Associate Professor, March 2017 - Present

Director, Longwood Water Quality Monitoring Program, January 2016 - Present

Assistant Professor, August 2013 – March 2017

Adjunct Faculty, January 2013 – May 2013

Baliles Center for Environmental Education at Hull Springs, Longwood University

Research Manager, November 2021 - present

Department of Biology, DePauw University, Greencastle, IN

Assistant Professor, August 2009 - January 2013

Institute of Marine Sciences, University of North Carolina at Chapel Hill, Morehead City, NC

Research Associate, Summer 2007 - Summer 2009

Supervisor: Dr. Michael Piehler

University of North Carolina, Environmental Sciences and Engineering Dept., Chapel Hill, NC

NIH-Funded SPIRE Postdoctoral Fellow, Spring 2003 - Spring 2007

Advisor: Dr. Robert Wetzel

Duke University, Biology Department, Durham, NC  
Postdoctoral Researcher, Fall 2001 - Spring 2003  
Advisor: Dr. Sönke Johnsen

## AREAS OF EXPERTISE

- Aquatic Ecology-- Lakes, Rivers, and Estuaries
- Community Ecology-- Predator-Prey Interactions
- Biogeochemistry-- Carbon and Nutrient Cycling
- Human-Induced Environmental Change

## PROFESSIONAL MEMBERSHIPS

- American Society of Limnology and Oceanography (ASLO)
- Ecological Society of America (ESA)

## AWARDS, HONORS, AND RECOGNITIONS

Provost Scholarship Award, Longwood University, August 2022

Fellow, [Virginia Natural Resources Leadership Institute](#), University of Virginia, June 2022

[CHI Commendation](#), Longwood University, 2021

Certificate of Appreciation, Longwood University, Order of Omega, 2020

[Fellow](#), Association for the Sciences of Limnology and Oceanography (ASLO), 2019

Nominee, Faculty Excellence in Mentoring Award, Longwood University, 2018

Recognition of Leadership, [PRINCEPS](#), Longwood University, 2015

Fellow, Dissertations Initiative for the Advancement of Limnology and Oceanography (DIALOG) V Symposium, American Society of Limnology and Oceanography, 2003 (Recognizes outstanding recent PhDs in the fields of limnology and oceanography)

National Institutes of Health, [Seeding Postdoctoral Innovators in Research and Education \(SPIRE\) Postdoctoral Fellowship](#), University of North Carolina at Chapel Hill, NC, 2003 (Competitive fellowship program enabling postdocs to conduct high quality research while gaining valuable teaching experience)

Kravis Fellowship, Department of Earth and Environmental Sciences, Lehigh University, Bethlehem, PA, 2001

Dissertation Improvement Funds, Department of Earth and Environmental Sciences, Lehigh University Bethlehem, PA, 1998, 1999

## SCHOLARSHIP

### PEER-REVIEWED PUBLICATIONS

- Meyer, M.F., S.N. Topp, T.V. King, R. Ladwig, R.M. Pilla, H.A. Dugan, J.R. Eggleston, S.E. Hampton, **D.M. Leech**, I.A. Oleksy, J.C. Ross, M.R. Ross, R.I. Woolway, X. Yang, M.R. Brousil, K.C. Fickas, J.C. Padowski, A.I. Pollard, J. Ren, and J.A. Zwart. 2023. National-scale, remotely sensed lake trophic state (LTS-US) 1984-2020 *Scientific Data*. In Press.
- Leech, D.M.**, T.L. Clift, J.L. Littlefield, N.R. Ravagli, and J. Spain. 2021. Indirect versus direct effects of freshwater browning on zooplankton-larval fish interactions. *Canadian Journal of Fisheries and Aquatic Sciences* [doi.org/10.1139/cjfas-2020-0379](https://doi.org/10.1139/cjfas-2020-0379)
- Leech, D.M.**, A.I. Pollard, S.G. Labou, and S.E. Hampton. 2018. Fewer blue lakes and more murky lakes in the U.S.: Implications for planktonic food webs. *Limnology and Oceanography* [doi.org/10.1002/lno.10967](https://doi.org/10.1002/lno.10967)
- One of the most downloaded *L&O* papers in 2018 & 2019
  - Picked up by popular press, including Smithsonian Magazine, Atlas Obscura, and Science Daily
  - Interviewed by NPR's *With Good Reason* to discuss study results
- Pollard, A.I., S.E. Hampton, **D.M. Leech**. 2018. The promise and potential of continental-scale limnology using the U.S. Environmental Protection Agency's National Lakes Assessment. *Limnology & Oceanography Bulletin* [DOI 10.1002/lob.10238](https://doi.org/10.1002/lob.10238).
- Leech, D.M.**, S.H. Ensign, and M.F. Piehler. 2016. Spatiotemporal patterns in the export of dissolved organic carbon and chromophoric dissolved organic matter from a coastal, blackwater river. *Aquatic Sciences* doi:10.1007/s00027-016-0474-3
- Leech, D.M.**, M.T. Snyder, and R.G. Wetzel. 2014. Alterations in the photomineralization of allochthonous DOM related to elevated atmospheric CO<sub>2</sub>. *Inland Waters* 4: 147–156.
- Ensign, S.H., **D.M. Leech**, M.F. Piehler. 2014. Effects of nutrients and zooplankton on an estuary's phytoplankton: Inferences from a synthesis of 30 years of data. *Ecosphere* 5:art89. <http://dx.doi.org/10.1890/ES13-00405.1>.
- Ziervogel, K., **D.M. Leech**, and C. Arnosti. 2013. Differences in the substrate spectrum of extracellular enzymes in shallow lakes of differing trophic status. *Biogeochemistry* doi 10.1007/s10533-013-9874-9.
- O'Connor, M.I., M. F. Piehler, **D.M. Leech**, A. Anton, and J.F. Bruno. 2009. Warming and resource availability shift food web structure and metabolism. *PLoS Biology* 7: [e1000178](https://doi.org/10.1371/journal.pbio.1000178).
- Tranvik, L.J., Downing, J.A., and 25 others. 2009. Lakes and impoundments as regulators of carbon cycling and climate. *Limnology and Oceanography* 54: 2298-2314.

- Leech, D.M.**, W.J. Boeing, C.E. Williamson, S.A. Cooke, and L. Torres. 2009. UV enhanced fish predation and the differential migration of zooplankton to UV radiation and fish. *Limnology and Oceanography* 54: 1152-1161.
- Leech, D.M.**, M.T. Snyder, and R.G. Wetzel. 2009. Natural organic matter and sunlight accelerate the degradation of 17 $\beta$ -estradiol. *Science of the Total Environment* 407: 2087-2092.
- Chow, A.T., **D.M. Leech**, T. Boyer and P. Singer. 2008. Impact of simulated solar irradiation on disinfection byproduct precursors. *Environmental Science and Technology* 42: 5586-5593.
- Cooke, S. L., C. E. Williamson, **D. M. Leech**, W. J. Boeing, and L. Torres. 2008. Effects of temperature and ultraviolet radiation on diel vertical migration of freshwater crustacean zooplankton. *Canadian Journal of Fisheries and Aquatic Ecology* 65: 1144-1152.
- Riggsbee, J.A., C.H. Orr, **D.M. Leech**, M.W. Doyle, and R.G. Wetzel. 2008. Suspended sediments in river ecosystems: photochemical sources of dissolved organic carbon and adsorptive removal of dissolved iron. *Journal of Geophysical Research-Biogeosciences* 113: G03019, doi:10.1029/2007JG000654.
- Williamson, C.E., DeLange H., and **D.M. Leech**. 2007. Do zooplankton contribute to an ultraviolet clear-water phase in lakes? *Limnology and Oceanography* 52: 662-667.
- Lango, A., **D.M. Leech**, and R.G. Wetzel. 2007. Indirect effects of elevated atmospheric CO<sub>2</sub> and UV radiation on culturable bacteria. *Fundamental and Applied Limnology* 168: 327-333.
- Leech, D.M.** and S. Johnsen. 2006. UV vision and the feeding ecology of bluegill sunfish, *Lepomis macrochirus*. *Canadian Journal of Fisheries and Aquatic Sciences* 63: 2183-2190.
- Leech, D.M.**, A. Padeletti, and C.E. Williamson. 2005. Zooplankton behavioral responses to UV radiation vary within and among lakes. *Journal of Plankton Research* 27: 461-471.
- Leech, D.M.**, C.E. Williamson, R.E. Moeller, and B. Hargreaves. 2005. UV radiation and zooplankton vertical distribution and abundance: Testing for UV behavioral avoidance. *Archiv für Hydrobiologie* 162: 445-464.
- Boeing, W.J., **D.M. Leech**, C.E. Williamson, S.A. Cooke, and L.E. Torres. 2004. Damaging UV radiation and invertebrate predation: conflicting selective pressures for zooplankton vertical distribution in the water column of low DOC lakes. *Oecologia* 138: 603-612.
- Leech, D.M.** and C.E. Williamson. 2001. *In situ* exposure to UV radiation alters the depth distribution of *Daphnia*. *Limnology and Oceanography* 46: 416-420.
- Leech, D.M.** and C.E. Williamson. 2000. Is tolerance to ultraviolet radiation in zooplankton related to body size, taxon, or lake transparency? *Ecological Applications* 10: 1530-1540.
- Leech, D.M.** and G.A. Wyngaard. 1996. Timing of chromatin diminution in free-living, freshwater Cyclopidae (Crustacea: Copepoda). *Journal of Crustacean Biology* 16: 496-500.

## INVITED BOOK CHAPTERS

**Leech, D.M.** and S. Johnsen. 2022. Light as an ecological resource. *In* Encyclopedia of Inland Waters. 2<sup>nd</sup> Edition. Editors, K. Tockner and T. Mehner.

**Leech, D.M.** and S. Johnsen. 2009. Light and biological receptors. *In* Encyclopedia of Inland Waters. 1<sup>st</sup> Edition. Editor, G. Likens. Pp. 671-681.

**Leech, D.M.** and S. Johnsen. 2003. Behavioral responses: UV avoidance and vision. *In* UV Effects in Aquatic Organisms and Ecosystems. Editors, W. Helbling and H. Zagarese. Pp. 455-481.

## GENERAL AUDIENCE PAPERS

**Leech, D.M.** Satellites and Sensors tell us more about the Giant Ice Rings of Siberian Lakes. *Limnology & Oceanography Bulletin*. <https://doi.org/10.1002/lob.10278>

- One of the most downloaded ASLO Bulletin articles in 2018 & 2019
- Product of participating in ASLO's 'Journalist for a Day' program at the 2018 Victoria Meeting (selected participant), which teaches scientists how to write for general audiences.

Labosier, C. K. Fortino, **D.M. Leech**. "Climate change is here." Farmville Herald [Farmville, VA] August 28, 2018. Print.

**Leech, D.M.** "Fresh water: help restore this precious resource." *Richmond-Times Dispatch* [Richmond, VA] April 21, 2018. Print.

## ENVIRONMENTAL DATASET

Meyer, M.F., S.N. Topp, T.V. King, R. Ladwig, R.M. Pilla, H.A. Dugan, J.R. Eggleston, S.E. Hampton, **D.M. Leech**, I.A. Oleksy, J.C. Ross, M.R. Ross, R.I. Woolway, X. Yang, M.R. Brousil, K.C. Fickas, J.C. Padowski, A.I. Pollard, J. Ren, and J.A. Zwart. 2023. [National-scale, remotely sensed lake trophic state \(LTS-US\) 1984-2020](#) ver 2. Environmental Data Initiative (EDI).

- Will be highlighted as 'Featured Dataset' on EDI Home Page in October, 2023

## RESEARCH AND FACULTY DEVELOPMENT GRANTS

**Leech, D.M.** 2021. Longwood University Faculty Research and Development Grant. Measuring underwater light spectra. \$6000

**Leech, D.M.** 2019. Longwood University Faculty Sabbatical for Fall 2020.

**Leech, D.M.**, K. Register. 2019. Virginia Department of Environmental Quality Citizen Water Quality Monitoring Grant. Water Quality of the Appomattox River Watershed. \$4,500

**Leech, D.M.** 2019. Longwood University Faculty Research and Development Grant. Brown Freshets and Water Quality: Effects of decreased salinity and increased dissolved organic matter on coastal streams of the Chesapeake Bay. \$5375

- Leech, D.M.**, K. Register. 2018. Virginia Department of Environmental Quality Citizen Water Quality Monitoring Grant. Water Quality of the Appomattox River Watershed. \$4,500
- Leech, DM.**, D. Buckalew, K. Register. 2017. Virginia Department of Environmental Quality Citizen Water Quality Monitoring Grant. Water Quality of the Appomattox River Watershed. \$4,000
- Leech, D.M.** 2016. Longwood University Faculty Research and Development Grant. Dissolved Organic Carbon Exports from Hull Springs Farm, Westmoreland County, VA, \$8,500
- Leech, D.M.**, K. Fortino, K. Gee, and C. Labosier. 2016. Cook-Cole Fund. Longwood's Environmental Observatory (LEO). \$9,865
- Leech, DM.**, D. Buckalew, K. Register. 2016. Virginia Department of Environmental Quality Citizen Water Quality Monitoring Grant. Water Quality of the Appomattox River Watershed. \$4,000
- Leech, D.M.**, K.Gee, K. Fortino. 2015. Expansion of the Longwood Environmental Observatory (LEO). Dominion Higher Education Grant. \$25,000
- Leech, D.M.** 2014. Longwood University Faculty Research and Development Grant. Dissolved Organic Carbon and Predator-Prey Interactions: A Fish Eye View of 'Brownification', \$11,600
- Leech, D.M.** and H. Foster. 2014. Student Centered Monitoring Program of the Wetland Restoration at Hull Springs Farm, Westmoreland County, VA, \$2000
- Leech, D.M.** and L. Bedard. 2010. Microbial Diversity of Indiana's Abandoned Quarry Ponds: Is Everything Everywhere? Indiana Academy of Science, \$2000
- Leech, D.M.** and L. Bedard. 2010. Microbial Diversity of the DePauw Nature Park Ponds. DePauw Faculty Development Funds, \$2000
- Leech, D.M.**, S. Ensign, H. Byrum, and M. Piehler. 2009. Zooplankton Assessment Project (ZAP) Year 2: Reassessing prey availability for river herring in the Chowan River and Albemarle Sound. North Carolina Sea Grant, \$32,813
- Leech, D.M.**, S. Ensign, H. Byrum, and M. Piehler. 2008. Zooplankton Assessment Project (ZAP): Reassessing prey availability for river herring in the Chowan River and Albemarle Sound. North Carolina Sea Grant, \$30,071

### **CONFERENCE PRESENTATIONS (undergraduate co-authors in bold)**

- Clarke-Bradley, D., G. Smith, A. Sommer,** and D.M. Leech. 2023. Chesapeake Studies Conference. Salisbury, Maryland.
- Leech, D.M., **K. Bauer, K. English, and T. DeWalt.** 2022. Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography. Grand Rapids, Michigan
- Bauer, K., D. Jones,** and D.M. Leech. 2021. Virtual Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography.

- Bauer, K., T. DeWalt**, and D.M. Leech. 2020. Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography, Madison, Wisconsin (Canceled for COVID)
- Bauer, K.** and D.M. Leech. 2019. Atlantic Estuarine Research Society Annual Meeting, Woodbridge, Virginia
- Clift, T.L.** and D.M. Leech. 2019. Atlantic Estuarine Research Society Annual Meeting, Woodbridge, Virginia
- Leech, D.M., A.I. Pollard, S. Labou, and S.E. Hampton. 2018. Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography, Victoria, British Columbia, Canada
- Dove, C.L.** and D.M. Leech. 2018. Virginia Academy of Science Annual Meeting, Farmville, Virginia
- Plucinski, K.E.** and D.M. Leech. 2018. Virginia Academy of Science Annual Meeting, Farmville, Virginia
- Leech, D.M. and **T.L. Clift**. 2017. Freshwater Sciences Meeting, Raleigh, North Carolina
- Clift, T.L.** and D.M. Leech. 2017. Freshwater Sciences Meeting, Raleigh, North Carolina
- Leech, D.M. and **J.E. Spain**. 2016. Aquatic Sciences Meeting, Santa Fe, New Mexico
- Leech, D.M., **J.L. Littlefield, N.R. Ravagli, and K.T. Ream**. 2015. Ecological Society of America Annual Conference. Baltimore, Maryland
- Littlefield, J.L., N.R. Ravagli, K.T. Ream**, and D.M. Leech. 2015. Association of Southeastern Biologists conference. Chattanooga, Tennessee
- Leech, D.M., S.H. Ensign, and M.F. Piehler. 2014. Joint Aquatic Sciences Meeting, Portland, Oregon
- Leech, D.M., **M. May, R. Rominger, A. Pistoia, A. Metternich**, K. Fortino, and L.M. Bedard. 2013. Aquatic Sciences Meeting, Association for the Sciences of Limnology and Oceanography, New Orleans, Louisiana
- Bedard, L.M., D.M. Leech, **M. May, R. Rominger, A. Pistoia, E. Medlock**. 2011. Annual Meeting of the American Society for Microbiology, New Orleans, Louisiana
- Leech, D.M., L.M. Bedard, **M. May, R. Rominger, A. Pistoia**. 2011. Annual Meeting of the Indiana Academy of Sciences, Indianapolis, Indiana
- Leech, D.M., S. Ensign, and M. Piehler. 2010. Aquatic Sciences Meeting, American Society of Limnology and Oceanography, Santa Fe, New Mexico
- Leech, D.M., M. Piehler, and M.N. Waters. 2008. Aquatic Sciences Meeting, American Society of Limnology and Oceanography, St. John's Newfoundland, Canada
- Leech, D.M. and R. G. Wetzel. 2007. Societe International Limnologie Meeting, Montreal, Quebec, Canada

- Leech, D.M. and A.T. Chow. 2006. Aquatic Sciences Meeting, American Society of Limnology and Oceanography, Victoria, British Columbia, Canada
- Leech, D.M. and R.G. Wetzel. 2005. INTECOL/Ecological Society of America Annual Meeting, Montreal, Quebec, Canada
- Leech, D.M. and R.G. Wetzel. 2005. Aquatic Sciences Meeting, American Society of Limnology and Oceanography, Salt Lake City, Utah
- Leech, D.M. and R.G. Wetzel. 2004. American Society of Limnology and Oceanography Annual Meeting, Savannah, Georgia
- Leech, D.M. 2003. DIALOG V Symposium, American Society of Limnology and Oceanography, Bermuda Biological Field Station
- Leech, D.M., W. Boeing, C.E. Williamson. 2002. American Society of Limnology and Oceanography Annual Meeting, Victoria, British Columbia
- Leech, D.M., **A.T. Padeletti**, and C.E. Williamson. 2001. American Society of Limnology and Oceanography Annual Meeting, Albuquerque, New Mexico
- Padeletti, A.T.**, D.M. Leech, and C.E. Williamson. 2001. American Society of Limnology and Oceanography Annual Meeting, Albuquerque, New Mexico
- Leech, D.M. and C.E. Williamson. 2000. Ecological Society of America Annual Meeting, Snowbird, Utah
- Leech, D.M. and C.E. Williamson. 2000. American Society of Limnology and Oceanography Annual Meeting, Copenhagen, Denmark
- Leech, D.M. and C.E. Williamson. 1999. American Society of Limnology and Oceanography Annual Meeting, Santa Fe, New Mexico

## **INVITED WORKSHOPS**

- Fellow, Virginia Natural Resources Leadership Institute, University of Virginia, 2021-2022
- Panelist, Writing in the Disciplines, Hosted by English Faculty, Longwood University, May 2019
- Panelist, Seeding Postdoctoral Innovators in Research and Education Alumni Panel, Life as a Faculty Member at a Primarily Undergraduate Institution, May 2019
- Journalist for a Day, Association for the Sciences of Limnology and Oceanography, Annual Meeting in Victoria, B.C., Canada, June 2018
- Participant, American Geophysical Union, Chapman Conference, Lakes and Reservoirs as Sentinels, Integrators, and Regulators of Climate Change, Lake Tahoe, September 2008
- Participant, Fundamentals of Ecosystem Studies, Institute of Ecosystem Studies, Millbrook, NY, January 1999



## **INVITED PRESENTATIONS**

Science Museum of Virginia, “Inland and Coastal Waters are Changing Color—so what?”,  
December 2021

Virginia Water Monitoring Council Annual Meeting, “Murky Lakes Increase in the US:  
Implications for Food Webs”, April 2019

Blackwell Seminar Speaker, “Intersection of Science and Society: What to do with 15+ years of  
water quality data for the Appomattox River Watershed?”, Longwood University, March  
2018

UNC Chapel Hill, Ecology Program, “A Fisheye View of ‘Browning’: Implications for dissolved  
organic matter loading to aquatic ecosystems”, September 2017

Virginia Institute of Marine Sciences, “Old Black Water, Keep on Rollin’: Organic Carbon Exports  
from the Chowan River, North Carolina”, September 2014

Virginia Tech, Department of Biology, “Old Black Water, Keep on Rollin’: Organic Carbon  
Exports from the Chowan River, North Carolina”, March 2014

University of Richmond, Department of Biology, “Old Black Water, Keep on Rollin’: Organic  
Carbon Exports from the Chowan River, North Carolina”, March 2014

Blackwell Seminar Speaker, Longwood University, “Inland and Coastal Waters are Changing  
Color—so what?”, February 2014

Chichester Colloquium, Longwood University, “Limnology on the Road Less Traveled: The Lakes  
of the Albemarle-Pamlico Peninsula”, September 2013

Indiana Wildlife Federation Public Forum, “Watershed Research”, April 2011

Faculty Research Colloquium, DePauw University, “Is Everything Everywhere? Testing Baas-  
Becking’s Hypothesis of Microbial Diversity and Distribution”, April 2011

Department of Biology, Indiana State University, “From Blackwater Rivers to Quarry Ponds: An  
Aquatic Ecologist's Journey from Coastal North Carolina to Central Indiana”,  
January 2010

National Oceanic and Atmospheric Administration, Beaufort, NC, “North Carolina’s Coastal  
Lakes: Limnology on the Road Less Traveled”, October 2008

Department of Biology, Mount Holyoke College, “Freshwater Ecosystem Responses to Human-  
Induced Environmental Change”, July 2008

Hyde County, NC Chamber of Commerce, “Limnology on the Road Less Traveled: The Lakes of  
the Albemarle-Pamlico Peninsula”, May 2008

Environmental Studies Program, Washington and Lee University, “Freshwater Ecosystem  
Responses to Human-Induced Environmental Change”, February 2008

Institute of Marine Sciences, UNC Chapel Hill, “Tales of the Coastal Lakes of the Albemarle-  
Pamlico Peninsula”, February 2008

Biology Department, Augusta State University, "Effects of Ultraviolet Radiation on Aquatic Ecosystems", October 2005

Biosymposium Guest Speaker, Biology Department, James Madison University, "Effects of Ultraviolet Radiation on Aquatic Ecosystems", April 2005

Department of Fisheries and Wildlife Sciences, New Mexico State University, "Effects of Ultraviolet Radiation on Aquatic Ecosystems", March 2005

Department of Environmental Sciences and Engineering, UNC Chapel Hill, "Effects of Ultraviolet Radiation on Aquatic Ecosystems", September 2004

Department of Biological Sciences, Dartmouth College, "Zooplankton Tolerance and Migration Responses to Ultraviolet Radiation", May 2001

Department of Ecology and Evolutionary Biology, Cornell University, "Zooplankton Tolerance and Migration Responses to Ultraviolet Radiation", February 2001

## **SERVICE**

### **DEPARTMENTAL SERVICE**

Elected Senator to Faculty Senate, Representing the Department of Biological and Environmental Sciences, August 2020 – Present

DEI Working Group, August 2021 - Present

Promotion and Tenure Committee, August 2019 - May 2022

Representative at University Recruiting Events, ~1-2 events per year, 2014 - Present

Search Committee, Assistant Professor of Biology, Fall 2022

Steering Committee, Longwood Environmental Observatory (LEO), August 2015 – August 2022

Curriculum Committee, August 2018 – May 2020

Subcommittees for Curriculum Development in Biology and Integrated Environmental Sciences, August 2015 – Present (Intermittent)

Search Committee, Co-Chair, Lecturer in Biology, Fall 2018

Search Committee, two Assistant Professors of Physiology, Fall 2015

Student Awards Committee, August 2014 - May 2016

Grade Appeals Committee, Fall 2014

Social Committee (Served as Chair and Co-chair), August 2013 – May 2017

### **COLLEGE AND UNIVERSITY SERVICE**

University Faculty Development Committee, August 2022 – May 2023

Title IX Hearing and Appeals Board, August 2016 - Present

Baliles Center at Hull Springs Leadership Team, August 2015 - Present

Faculty Advisor, Women in STEM club, August 2015 - Present

LIFE STEM Program Undergraduate Mentor, August 2017 - May 2022

Reviewer, *Incite* Journal of Undergraduate Research, August 2015 – May 2018

Logistics Committee for the Hōkūle`a visit to Hull Springs Farm, Spring 2016

## **PROFESSIONAL SERVICE**

Reviewer for: *Aquatic Microbial Ecology, Archiv für Hydrobiologie, Biologia, Canadian Journal of Fisheries and Aquatic Sciences, Ecology, Ecology of Freshwater Fishes, Environmental Biology of Fishes, Estuarine, Coastal, and Shelf Science, Environmental Science and Technology, Freshwater Biology, Global Change Biology, Hydrobiologia, Journal of Ethnology, Journal of the North American Benthological Society, Journal of Fish Biology, Journal of Plankton Research, Lake and Reservoir Management, Limnology and Oceanography, Limnology and Oceanography- Letters, Limnology and Oceanography- Methods, Marine and Freshwater Research, Marine Ecology Progress Series, Marine Environmental Research, Oecologia, Oikos, Photochemistry and Photobiology, PLoS Biology, PLoS One, Science of the Total Environment, and Water, ~ 2 -3 manuscripts per year, 1999 - Present*

Awards Committee, Association for the Sciences of Limnology and Oceanography (ASLO), Chair of Hutchison Award Subcommittee, Fall 2019 – Spring 2023

Mentor to Early Career Scientists, Association for the Sciences of Limnology and Oceanography (ASLO), 2010 - Present

Panel Reviewer, Biology Directorate, National Science Foundation, Fall 2016

Panel Reviewer, Biology Directorate, National Science Foundation, Fall 2012

Proposal Reviewer, National Science Foundation, 1999 – Present (Intermittent)

Proposal Reviewer, National Sigma Delta Epsilon- Graduate Women in Science, Spring 2010

Applicant Reviewer, Tom Frost Award for Best Graduate Student Paper, Ecological Society of America, Aquatic Ecology Section, Spring 2010

## **TEACHING**

### **COURSES TAUGHT**

Longwood University, Farmville, VA

Tenure-Track Faculty, Fall 2013-Present: BIOL/EASC/GEOG 342: Biogeography, BIOL 251: Ecology & Evolution, BIOL 432: Freshwater Ecology, ENSC100: Professional and Educational Development for Integrated Environmental Science Major, ENSC 101/162: Introduction to Environmental Science, ENSC 201: Investigations in Environmental Science, BIOL 495: Microbial Ecology, BIOL 288: Sophomore Seminar

DePauw University, Greencastle, IN  
Tenure-Track Faculty, Fall 2009-Spring 2012: Ecology and Evolution, Aquatic Ecology,  
Microbial Ecology, Research Methods, Senior Seminar

UNC Institute of Marine Sciences, Morehead City, NC  
Visiting Faculty, Fall 2007: Human Impacts on Estuarine Processes

University of North Carolina at Chapel Hill, NC  
Visiting Faculty, Spring 2006: Limnology/Freshwater Ecology (graduate course)

University of North Carolina at Pembroke, NC  
Visiting Faculty, Fall 2005: General Biology

Lehigh University, Department of Earth and Environmental Sciences, Bethlehem, PA  
Adjunct Faculty, Fall 1999: Plant Ecology (designed and taught both lecture and lab)  
Teaching Assistant, 1997-2001: Sole laboratory instructor for Ecological Field Methods,  
Introduction to Biology, Lake Ecosystems, and Plants and Plant Communities

### **PEDAGOGY WORKSHOPS AND TRAINING**

Teaching and Learning Institute, Civic Dialogue, Engaging Students in Difficult Conversations,  
Longwood University, May 2022

“How to have effective conversation during difficult discussions”, Quincy Goodine and Jonathan  
Page, Longwood University, November 2021

Longwood Online Technology Institute (LOTI) Online Teaching Certification, Spring 2021

Mentoring Workshop for LIFE STEM Participants, Fall 2017

Teaching and Learning Institute, Integrating Student Research into Pedagogical Practice,  
Longwood University, May 2015

Teaching and Learning Institute, More Than Retention: Engaging all Students for Success,  
Longwood University, May 2014

Teaching and Learning Institute, Navigating the Changing Landscape of the Classroom,  
Longwood University, May 2013

Pedagogy Brown Bag Lunches, DePauw University, August 2010 – May 2012 (Intermittent)

[Felder/Brent Effective Teaching Workshop](#), Fall 2003

Conference on the Scholarship of Teaching and Learning at a Research University, Duke  
University, Fall 2002