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EDUCATION

- Ph.D. 2016 Fordham University; Bronx, NY (Biological Sciences)
Dissertation: *Bioassessment of agricultural effects on streams using biochemical compounds in benthic algae*
- M.S. 2008 Eastern Michigan University; Ypsilanti, MI (Ecology & Organismal Biology)
Thesis: *Rapid measurements of periphytic responses to nutrients using PAM fluorimetry*
- B.S. 2004 University of California, Riverside; Riverside, CA
(Biology, Botany)

SCIENTIFIC EXPERTISE

Ecology of freshwater algae in rivers, lakes, and wetlands
Impacts of nutrient enrichment on freshwater algae
Water quality monitoring
GIS development and use
Biostatistical analysis

PROFESSIONAL POSITIONS

- 2016 – Pres. Assistant Professor, Natural Sciences Department, Daemen College
2015 – 2016 Adjunct Professor, Biology Department, Fordham University
2014 – 2015 Senior Teaching Fellow, Biology Department, Fordham University
2009 – 2014 Teaching Assistant, Biology Department, Fordham University
2008 – 2009 Lecturer, Life Sciences Department, Washtenaw Community Coll.
2008 – 2009 Lecturer, Biology Department, Eastern Mich. University
2006 – 2008 Teaching Assistant, Biology Department, Eastern Mich. University
2005 – 2009 Research Associate, Biology Department, Eastern Mich. University
2001 – 2004 Laboratory Assistant, Botany Department, UC Riverside

TEACHING EXPERIENCE

Assistant Professor

Biostatistics	Natural Sciences, Daemen College
Environmental Toxicology	Natural Sciences, Daemen College
Introductory Biology II	Natural Sciences, Daemen College

Adjunct/Lecturer

Life Science for Elementary Teachers	Biology, Eastern Michigan University
Methods for Teaching Secondary Biology	Biology, Eastern Michigan University
Concepts of Biology	Life Sciences, Washtenaw Community Coll.

Ecology, A Human Approach
Ecology Lab
People and the Living Environment

Teaching Assistant

Introductory Biology for Non-Majors
Life Science for Elementary Teachers
Foundations of Biology
Ecology, A Human Approach
Human Biology
Introductory Biology
Microbiology
Ecology

Biological Sciences, Fordham University
Biological Sciences, Fordham University
Natural Sciences, Fordham University

Biology, Eastern Michigan University
Biology, Eastern Michigan University
Biological Sciences, Fordham University
Biological Sciences, Fordham University
Biological Sciences, Fordham University
Biological Sciences, Fordham University
Biological Sciences, Fordham University
Biological Sciences, Fordham University
Biological Sciences, Fordham University

PUBLICATIONS

- Whorley, S.B.**, and J.D. Wehr. 2018. Multiyear patterns in benthic algal fatty-acid compounds under agricultural stress. *Freshwater Science* 37:534–550.
- Smucker, N.J., A. Kuhn, M.A. Charpentier, C.J. Cruz, C.M. Elonen, **S.B. Whorley**, B.H. Hill, and J.D. Wehr. 2016. Quantifying urban watershed stressor gradients and evaluating how different land cover datasets affect stream management. *Environmental Management* 57:683-695.
- Whorley, S.B.**, and J.D. Wehr. 2016. Connecting algal taxonomic information to essential fatty acid content in agricultural streams. *Phycologia* 55:531-542.
- Whorley, S.B.**, and J.D. Wehr. 2016. Flood events can reduce key fatty acid content of early-stage benthic algal assemblages in an urban stream. *Journal of Urban Ecology* 2:juw002.
- Whorley, S.B.**, and S.N. Francoeur. 2013. Active fluorimetry improves nutrient-diffusing substrata bioassay. *Freshwater Science* 32:108-115.
- Francoeur, S. N., S. T. Rier, and **S. B. Whorley**. 2013. Methods for sampling and analyzing wetland algae. Chapter 1 in *Wetland Techniques: Volume 2 Organisms* (J. T.

\$1,000	Oct 2011: Grant-in-Aid, Sigma Xi Society
\$30,500 (2yr)	Apr 2011: Clare Boothe Luce Fellowship, Fordham University
\$5,000 (2yr)	Apr 2011: Clare Boothe Luce Professional Development, Fordham University
\$375	Dec 2010: Research Support, Fordham University
\$250	May 2008: Poster Emphasizing New Methodology, Society for Freshwater Science
\$4,000	Apr 2006: Meta Hellwig Graduate Research Fellowship, Eastern Michigan University
\$500	Apr 2006: Meta Hellwig Graduate Special Study Award, Eastern Michigan University

2011: Periphyton colonization patterns in a suburban stream affected by grazing pressure

2009: Incorporating rapid, fluorimetric measurements into nutrient enrichment assays

2008: Trends in Periphyton Community Composition as an Effect of Nutrients

INVITED PRESENTATIONS

2018 University of Buffalo, EEB Program: From Streams to Lakes: Human Influence on Algal Nutritional Quality

2017 Louis Calder Center Undergraduate Research Symposium:

2017 Newstead Public Library: Climate Change and “Arctic Drift”

2015 Finger Lakes Institute: Variations in Periphyton and Stream Water Stable Isotopes Under Agricultural Stress

2015 Fordham University, Biology Department Colloquium: Variations in Periphyton and Stream Water Variables Under Agricultural Stress

2015 Fordham University, GISc II class speaker: Building a Watershed Analysis

2014 Fordham University, Ecology class speaker: Aquatic Restoration Ecology

2013 Manhattan Country School Farm: Basic Stream Ecology

2012 Fordham University, Microbiology class speaker: Utilizing Algae in Microbiological Research

PROFESSIONAL SOCIETIES

International Association for Great Lakes Research

Northeast Algal Society

Phycological Society of America

Sigma Xi, Scientific Research Society

Society for Freshwater Science (*formerly NABS*)

Tri-Beta Biological Honors Society

PROFESSIONAL SERVICE

Daemen College

2018 – Pres.: Tri-Beta Theta Upsilon Co-Advisor

2018 – Pres.: Educational Policy Committee, Subcommittee

2017 – 2019: Faculty Research Committee

2017 – Pres.: Library Committee

2017 – Pres.: Natural Science Department Marketing Committee

October 29th, 2016: Prospective Student Day Faculty Guide

Fordham University

2011 – 2013 Biology Graduate Student Association, Vice President

2012 Graduate Student Association, Fr. John McCloskey Graduate Summer Fellowship review committee

New York Women in STEM

2013 – 2014 Fordham University Representative, Networking Committee

Northeast Algal Society

2016 – 2019 Executive Board, Member at Large

Society of Freshwater Science

- 2018 – Pres. Constitution Committee
- 2012 – 2015 Graduate Resource Committee
 - 2012 – 2015 Merchandise Committee
 - 2014 – 2015 Treasurer