

Patricia M. Armenio

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EDUCATION

2008-Present M.S. University of Toledo, Biology (Ecology track)
2008 B.S. University of Toledo, Environmental Science (Biology track)

EXPERIENCE

2008-Present Research Assistant
2009: Lake Erie Center, University of Toledo

- Made field collections of *Lyngbya* using petit Ponar and Ekman
- Measured limnological parameters of Lake Erie
- Began experiments for master's research, which involved measuring nutrient concentrations of benthic algae

2008: Lake Erie Center, University of Toledo

- Responsible for care and maintenance of invertebrate and vertebrate lab animals
- Made field collections of *Hexagenia*, *Dreissena*, and *Apollonia melanostoma*
- Conducted behavior experiments on *Hexagenia* in the presence and absence of *Dreissena*
- Analyzed data using Excel
- Presented results at local conference

2008-2009 Teaching Assistant
Department of Environmental Sciences, University of Toledo

- Taught Environmental Problems Lab to undergraduate students
- Created powerpoints and lectured on decomposition, climate change, air quality, water quality, agriculture, biodiversity, and soil
- Graded quizzes and assignments

PRESENTATIONS

2009 Nitrogen mediates boron toxicity in *Azolla caroliniana*. International Association for Great Lakes Research, University of Toledo, Toledo, OH.

2008 Do zebra mussels and low oxygen affect the behavior and predation risk of *Hexagenia*? University of Toledo chapter of Sigma Xi meeting, Toledo, OH.

MASTER'S RESEARCH

Enhanced benthic algal growth on zebra mussels: nutrient contribution or structure?

GRADUATE ADVISOR

Dr. Christine M. Mayer

PROFESSIONAL MEMBERSHIPS

International Association for Great Lakes Research

RESEARCH INTERESTS

Aquatic ecology, conservation biology, exotic species, effects of climate change