

W. Tyler Mehler

Fisheries and Illinois Aquaculture Center and Department of Zoology
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Education:

Southern Illinois University, Carbondale, Illinois
M.S., Zoology, *In Progress*.

Southern Illinois University, Carbondale, Illinois
B.S., Zoology (Minor: Environmental Science), 2005.

Lake Land College, Mattoon, Illinois
A.S., Environmental Science, 2003. (*Cum Laude*)

Representative Experience:

08/2006 – present

Southern Illinois University. Graduate Research Assistant.

Identification of the sources of sediment-associated toxicity in the Illinois River using a whole-sediment TIE approach. Experience in field sampling and TIE approaches and testing. Familiarity with ammonia, metals and nonpolar organic quantification.

08/2006 – 05/2007

Southern Illinois University. Graduate Teaching Assistant.

Responsible for teaching a general biology class at an undergraduate level to non-science majors.

12/2005 – 07/2006

Southern Illinois University. Research Associate.

Researching the effects of PCBs (Aroclor 1254) on the whole-life cycle of *Chironomus tentans*.

08/2004 – 12/2005

Southern Illinois University. Undergraduate Research Assistant.

Examining the joint toxicity of chlorpyrifos and atrazine in the aquatic species: *Lepomis macrochirus*, *Pimephales promelas* and *C. tentans*. Familiar with high performance liquid chromatography, toxicity tests and extraction procedures. Experience in the application and use of radiolabeled compounds.

06/2005 – 08/2005

National Park Service. Student Conservation Association Volunteer

Fredericksburg and Spotsylvania National Military Park, VA

Invasive vegetation and anthropogenic material removal from the park. Geographic Informational System mapping. Trail maintenance and rebuilding.

06/2004 – 08/2004

Illinois Environmental Protection Agency. Governor's Environmental Corp. Intern
Marion Regional Office, IL.

Applied pollution prevention method and theories in landfills, coal mines, incinerators and farming facilities. Examining the water quality parameters of sewage facilities.

Awards and Certificates:

Laborer's Scholarship Award	2001
Certificate in Geographic Information Systems	2003
(Wild-Fire) Red Card Certified	2005
National SETAC Travel Award	2006, 2007
Student Exchange Fellowship (SETAC)	2008

Professional Affiliations:

Society of Environmental Toxicology and Chemistry

American Fisheries Society

Presentations:

Identification of the sources of sediment-associated toxicity in the Illinois River using a sediment TIE approach. Society of Environmental Toxicology and Chemistry, Regional Meeting. Duluth, MN, 2008.

Identification of the sources of sediment-associated toxicity in the Illinois River using a sediment TIE approach. American Fisheries Society, Illinois Chapter Meeting. Rockford, IL, 2008.

Identification of the sources of sediment-associated toxicity in the Illinois River using a sediment TIE approach. Society of Environmental Toxicology and Chemistry, National Meeting. Milwaukee, WI, 2007.

Identification of the sources of sediment-associated toxicity in the Illinois River using a sediment TIE approach. Society of Environmental Toxicology and Chemistry, Regional Meeting. Argonne, IL, 2007.

Examining the Joint Toxicity of Chlorpyrifos and Atrazine in the Aquatic Species: *Lepomis macrochirus*, *Pimephales promelas* and *Chironomus tentans*. Society of Environmental Toxicology and Chemistry, National Meeting, Montreal, Quebec, Canada 2006.

Examining the Joint Toxicity of Chlorpyrifos and Atrazine in the Vertebrate Species: *Lepomis macrochirus* and *Pimephales promelas*. Society of Environmental Toxicology and Chemistry, Regional Meeting, Columbia, Missouri 2005.

Examining the Joint Toxicity of Chlorpyrifos and Atrazine in the Vertebrate Species: *Lepomis macrochirus* and *Pimephales promelas*. Southern Illinois University – Carbondale Undergraduate Forum 2005.

Publications:

W. Tyler Mehler, Lance J. Schuler and Michael J. Lydy. March 2008. Examining the Joint Toxicity of Chlorpyrifos and Atrazine in the Aquatic Species: *Lepomis macrochirus*, *Pimephales promelas* and *Chironomus tentans*. Environmental Pollution. **151**: 217-224.