

Lance J. Schuler
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EDUCATION

Southern Illinois University, Carbondale, Illinois
Ph.D., Zoology, *In progress*.

McNeese State University, Lake Charles, Louisiana
M.S., Environmental Science, 1999.

State University of New York at Plattsburgh, Plattsburgh, New York
B.S., Environmental Science (Minor: Chemistry), 1996.

REPRESENTATIVE EXPERIENCE

8/01-present

Southern Illinois University. Graduate Research Assistant.

8/03-12/03

Southern Illinois University. Graduate Teaching Assistant.

Responsible for the organization, setup, and teaching of a graduate level analytical methods and techniques laboratory.

8/02-12/02

Southern Illinois University. Graduate Teaching Assistant.

Responsible for the organization, setup, and teaching of a graduate level aquatic toxicology laboratory.

5/99-8/2001

Wichita State University. Research Associate.

Researching the kinetics and bioaccumulation of PAHs and PCBs in several species of freshwater invertebrates. Studying the toxicity and body residues of pesticide mixtures to freshwater invertebrates. Familiar with the analysis of organic compounds using chromatographic techniques including GC, LC, and TLC. Experienced in the application and use of radiolabeled compounds.

12/98 - 5/99

McNeese State University. Graduate Research Assistant.

Examining the effect of water chemistry on the bioaccumulation of cadmium in *Menidia beryllina*. Well versed in various analytical techniques of metal analysis including flame atomic absorption spectroscopy, furnace atomic absorption spectroscopy, and cold

vapor atomic absorption spectroscopy of various metals. Experienced in the analysis of general water chemistry parameters (alkalinity, chloride, sulfate, etc.).

4/98 - 5/99

Leading Edge Environmental Group, Lake Charles, Louisiana. Staff Scientist. Duties included development of air emission inventories for industrial facilities and the preparation of Part 70 (i.e. Title V) air permit applications. Assisted in preparation of various reports for submission to Louisiana Department of Environmental Quality and U.S.EPA.

8/96 - 12/98

McNeese State University. Graduate Teaching Assistant. Teaching assistant in the Department of Biological and Environmental Sciences. Graduate assistant duties include preparation of materials and information to teach sophomore level Anatomy and Physiology laboratory.

AWARDS

2002	SETAC / Procter & Gamble Fellowship for Doctoral Research in Environmental Science
2003, 1998	SETAC Travel Award

PROFESSIONAL AFFILIATIONS

Society of Environmental Toxicology and Chemistry

American Fisheries Society

SERVICE

Short Course Instructor. Basic Aquatic Toxicity and Testing Methods for the Educator and Layperson. SETAC, Oxford, Mississippi, May 2004.

Illinois American Fisheries Society Subunit Secretary 2004-2005

Illinois Department of Natural Resources Urban Fishing Program Volunteer 2004

PRESENTATIONS

Schuler LJ, Landrum PF, Lydy MJ. Time-dependent Toxicity of Fluoranthene to *Hyalella azteca*, *Chironomus tentans*, and *Diporeia* spp. Society of Environmental Toxicology and Chemistry, Regional Meeting, Oxford, Mississippi, May 2004.

Schuler LJ, Landrum PF, Lydy MJ. Time-dependent Toxicity of Fluoranthene to *Hyalella azteca*, *Chironomus tentans* and *Diporeia* spp. Society of Environmental Toxicology and Chemistry, National Meeting, Austin, Texas, November 2003.

Schuler LJ, Landrum PF, Lydy MJ. Body Residues: Implications in Ecotoxicology and Hazard Assessment. Invited presentation. Cooperative Institute of Limnology and Ecosystem Research, Ann Arbor, Michigan, October 2003.

Schuler LJ, Lydy MJ. An Assessment of the Time-dependent Toxicity of Fluoranthene using *Hyalella azteca*. Society of Environmental Toxicology and Chemistry, National Meeting, Salt Lake City, Utah, November 2002.

Schuler LJ, Lydy MJ. Preliminary Assessment of the Time-dependent Toxicity of Fluoranthene using *Hyalella azteca*. Society of Environmental Toxicology and Chemistry, Regional Meeting, Vicksburg, Mississippi, May 2002.

Schuler LJ, Lydy MJ. Toxicokinetics of Benzo(a)pyrene and Hexachlorobiphenyl in Three Freshwater Invertebrates. Society of Environmental Toxicology and Chemistry, National Meeting, Baltimore, Maryland, November 2001.

Schuler LJ, Lydy MJ. Investigating the Joint Toxicity of Pesticides to *Chironomus tentans*. Society of Environmental Toxicology and Chemistry, National Meeting, Baltimore, Maryland, November 2001.

Schuler LJ, Lydy MJ. Investigating the Joint Toxicity of Pesticides to *Chironomus tentans*. Society of Environmental Toxicology and Chemistry, Regional Meeting, Stillwater, Oklahoma, May 2001.

Schuler LJ, Heagler MG, Lydy MJ. Influence of Species Interactions on the Bioavailability of BaP Spiked Sediments. Society of Environmental Toxicology and Chemistry, National Meeting, Nashville, Tennessee. November 2000.

Schuler LJ, Lydy MJ. Chemical and Biological Availability of Sediment-sorbed BaP and HCBP to *Lumbriculus variegatus*. Society of Environmental Toxicology and Chemistry, National Meeting, Nashville, Tennessee. November 2000.

Schuler LJ, Lydy MJ. Investigating the Impact of Triazine-Type Herbicides on Organophosphate Insecticide Toxicity. Society of Environmental Toxicology and Chemistry, National Meeting, Nashville, Tennessee. November 2000.

Schuler LJ, Heagler MG, Lydy MJ. Bioavailability within Single Verses Multiple Species Systems. Society of Environmental Toxicology and Chemistry, National Meeting, Philadelphia, Pennsylvania. November 1999.

Schuler LJ, Heagler MG. The Effect of Water Chemistry on the Bioaccumulation of Cadmium in *Menidia beryllina*, the Tidewater Silverside. Louisiana Academy of Sciences, Annual Meeting, Monroe, Louisiana. February 1999.

Schuler LJ, Howell JP, Heagler MG. Survey of Mercury Concentration between Chinese and Louisiana Crayfish. Louisiana Academy of Sciences, Annual Meeting, Monroe, Louisiana. February 1999.

Schuler LJ, Heagler MG. A Comparison of the Effects of Salinity and Chloride Ion on the Bioaccumulation of Cadmium in *Menidia beryllina*, the Tidewater Silverside. Society of Environmental Toxicology and Chemistry, National Meeting, Charlotte, North Carolina. November 1998.

Schuler LJ, Howell JP, Heagler MG. Differences in Mercury Concentration between Chinese and Louisiana Crayfish. Society of Environmental Toxicology and Chemistry, National Meeting Charlotte, North Carolina. November, 1998.

Schuler LJ, Howell JP, Heagler MG. Differences in Mercury Concentration between Chinese and Louisiana Crayfish. Society of Environmental Toxicology and Chemistry, Regional Meeting, Wichita State University, Wichita, Kansas. March, 1998.

PUBLICATIONS

Schuler LJ, Landrum PF, Lydy MJ. *In press*. Time-dependent toxicity of fluoranthene to freshwater invertebrates and the role of biotransformation on lethal body residues. *Environ Sci Technol*.

You J, **Schuler LJ**, Lydy MJ. *In press*. Acute Toxicity of Sediment-Sorbed Endrin, Methoxychlor and Endosulfan to *Hyalella azteca* and *Chironomus tentans*. *Bull Environ Contam Toxicol*.

Nuutenin S, **Schuler LJ**, Landrum PF, Kukkonen J, Lydy MJ. 2003. The Toxicokinetics of Several Classes of Compounds in *Hyalella azteca*. *Arch Environ Contam Toxicol* **44**:467-475.

Schuler LJ, Bailer AJ, Wheeler M, Lydy MJ. 2003. Toxicokinetics of Sediment-Sorbed BaP and HCBP using the Freshwater Invertebrates: *Hyalella azteca*, *Chironomus tentans*, and *Lumbriculus variegatus*. *Environ Toxicol Chem* **22**:439-449.

Schuler LJ, Heagler MG, Lydy MJ. 2002. Bioavailability within Single Verses Multiple Species Systems. *Arch Environ Contam Toxicol* **42**:199-204.

Schuler LJ, Lydy MJ. 2001. Chemical and Biological Availability of Benzo(a)pyrene and Hexachlorobiphenyl to *Lumbriculus variegatus*. *Environ Toxicol Chem* **20**:2014-2020.

Schuler LJ, Howell JP, Heagler MG. 2000. Survey of Mercury Concentration between Chinese and Louisiana Crayfish. Bull Environ Contam Toxicol **64**:27-32.