

John M. Marton, Ph.D.

EDUCATION:

2012. Ph.D., Environmental Science, Indiana University, Bloomington, Indiana

2008. M.S., Environmental Science and Policy, Johns Hopkins University, Baltimore, Maryland

2004. B.S., Biology, Towson University, Towson, Maryland

SPECIALTY/TECHNICAL COURSES:

2005. Statistical Analysis Training for Avian Reproduction Toxicity Data, Environmental Fate and Effects Division, OPP, EPA. Crystal City, Virginia.

PROFESSIONAL EXPERIENCE:

2008-Present. Laboratory Technician, Wetlands Biogeochemistry Laboratory, Indiana University, Bloomington, Indiana.

2005-Present. Staff Scientist, Cambridge Environmental Inc, Germantown, Maryland.

2004-2005. Junior Staff Scientist, Dynamac Corporation, Germantown, Maryland.

2004. Research Assistant, Towson University, Department of Biological Sciences, Towson, Maryland. Assisted graduate students in a survey of local herpetofauna to determine the differences in diversity between natural and restored wetlands on Maryland's Eastern Shore. Built drift fences and funnel traps, and was responsible for checking them weekly. Measured, sexed and logged all herpetofauna found. Responsible for the catching, handling and identification of all snakes.

2004. Research Assistant, Towson University, Department of Biological Sciences, Towson, Maryland. Designed, conducted and statistically analyzed greenhouse experiments examining nitrogen as a limiting factor for growth (height and biomass) of radish plants (*Raphanus sativus*).

2003. Student Mentor, Towson University, Department of Biological Sciences, Towson, Maryland. Assisted in the "Using Information Effectively" program. Assisted students in learning the basics of the scientific process, how to conduct library research and presenting materials in both written and oral forms.

PROFESSIONAL ASSOCIATIONS:

Beta Beta Beta, Biological Honors Fraternity
American Society of Ichthyologists and Herpetologists

SELECTED CONSULTING PROJECT EXPERIENCE:

U.S. EPA, OPP, Ecological Risk of Pesticides, Staff Scientist.

Responsibilities include the critical review, statistical analysis and interpretation, and the technical editing of biological and chemical data acute, subchronic, and chronic toxicity of pesticides in water, sediment, and soil. Determines the toxicity for a multitude of invertebrate and vertebrate species, both aquatic and terrestrial (e.g., fish, insects, and birds), as well as for non-target aquatic and terrestrial vascular and non-vascular plants (e.g., algae and crops). Has evaluated the scientific soundness of the experimental design, methodology, and statistical analyses from over four hundred ecotoxicological studies. Conducted EPA library research and responsible for data entry into the Ecotox database for the client.

ORIGINAL REPORTS:

Principal author of numerous studies of the ecological risk of pesticides that were submitted under Subdivisions E, J, and L and the harmonized OPPTS 850 Series Guidelines.