

## **KINDRA L. BOZICEVICH**

### EDUCATION:

1999. B.A., Biology, West Virginia University, Morgantown, West Virginia.

1999. B.S., Agriculture/Environmental Protection, West Virginia University, Morgantown, West Virginia.

2006-Present. Currently pursuing M.S., Environmental Biology, Hood College, Frederick, Maryland.

### SPECIALTY/TECHNICAL COURSES :

2001. Microsoft Access, CompUSA, Emeryville, California.

2001. Hazardous Waste Operations Training: 40 HR HAZWOPER, The Association of Bay Area, Governments, Oakland, California.

2001. Respiratory Protection Training, State of California EPA, Glendale, California.

2001. Hazardous Waste Recycling Laws and Regulations Training, University of California, Oakland, California.

2001. Fundamentals of SUPERFUND, EPA, San Francisco, California.

2001. Groundwater Remediation Technologies, National Groundwater Association, Rancho Cordova, California.

### PROFESSIONAL EXPERIENCE:

2004-Present. Staff Scientist. Cambridge Environmental Inc., Frederick, Maryland.

2002-2004. Junior Staff Scientist, Dynamac Corporation, Germantown, Maryland.

2001. Hazardous Substances Scientist, California Environmental Protection Agency, Department of Toxic Substances Control, Site Mitigation Branch, Berkeley, California.

1999-2000. Molecular Biologist, Pfizer Global Research and Development, Alameda, California.

SUMMARY OF EXPERTISE:

Technical areas of expertise include environmental science and molecular biology.

More than 7 years experience interpreting data on the environmental behavior, and ecological and human health risks of pesticides for U.S. Environmental Protection Agency (EPA) Office of Pesticide Programs (OPP).

PROJECT EXPERIENCE:

U.S. EPA, OPP, Environmental Fate, January 2002 –Present.

Reviews and interprets data relating to the fate and transport of potentially hazardous materials in terrestrial and aquatic ecosystems, and the impact of pesticide use on ground and surface water. Reviewed data include laboratory batch equilibrium and column leaching in soil; laboratory hydrolysis; laboratory photodegradation in water and soil; aerobic and anaerobic metabolism in soil and aquatic environments; laboratory and field volatility; and laboratory and field bioaccumulation in plants and fish. Reviews non-guideline studies dealing with storage stability, method validation, kinetic evaluation, droplet size atomization, atmospheric deposition and nitrogen mineralization. Evaluates the integrity of the data from environmental fate studies and their compliance with EPA guidelines. Assists in the preparation of Environmental Fate and Exposure Assessments. Conducts database searches and literature analyses on the fate and transport of selected pesticides.

U.S. EPA, OPP, Ecological Risk of Pesticides, January 2002 – Present.

Reviewed and interpreted data relating to acute, subchronic, and chronic toxicity of pesticides in water, sediment, and soil. Studies included LC<sub>50</sub> determinations for target insects and avian species and toxicity testing of aquatic plants. Evaluated the integrity of the data from toxicological studies and their compliance with EPA guidelines. Conducted database searches and literature analyses on ecotoxicity of selected pesticides.

U.S. EPA, OPP, Technical Support for Toxicology, Chemistry, Human Exposure, Environmental Fate, and Ecological Assessments of Pesticides for Registration and Reregistration Review, November 2006-Present.

Reviews and interprets data and evaluates the integrity of the data and their compliance with guidelines. Reviewed data include laboratory hydrolysis and photolysis; aerobic metabolism in soil and aquatic environments; soil respiration and nitrification; ready biodegradability; and leaching behavior in treated wood and substitute ocean water. Assists in the preparation of Environmental Fate Assessments and Science Chapters.

California Environmental Protection Agency, Department of Toxic Substances Control, Site Mitigation Branch, January 2001 – July 2001.

Served as a Hazardous Substance Scientist and prepared or provided technical review of documents prepared in accordance with CERCLA and CEQA, in which soil and groundwater contamination related to site activities were assessed. Conducted hazardous waste Site Screenings and Preliminary Endangerment Assessments to determine potential environmental and health hazards, identify exposure pathways, and assess the potential for site cleanups. Developed soil and water sampling strategies and evaluated samples taken at hazardous waste sites. Experienced with oversight of hazardous waste site cleanups; including Voluntary Cleanup Programs, Phase I Site Assessments, and Operation and Maintenance programs. Conducted analyses using LeadSpread statistical analysis, and experienced in the use of Preliminary Remediation Goals to evaluate the potential risk to human health.

Pfizer Global Research and Development, September 1999 – December 2000.

Served as a member of the molecular biology team and conducted high throughput DNA sequencing and analysis. Experienced in the preparation of BAC sublibraries; including bacterial sonication, preparative gel electrophoresis, isolating nucleic acids from agarose, bacterial ligation, and bacterial transformation. Experienced with automated robotic molecular systems. Responsible for hazardous waste containment and removal. Experienced with reagent, media, and buffer solution preparation.

ORIGINAL REPORTS:

Principal author of over 400 reviews of studies on the environmental fate of pesticides that were submitted under Subdivision N Guidelines.

Principal author of two Hazard Assessments and over 100 reviews of studies on the ecological risk of pesticides that were submitted under Subdivision E, J and L Guidelines.