

Michael L. Knuth

Research Chemist

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Education:

B.S., Water Resource Science, University of Wisconsin - Stevens Point, Stevens Point, WI, 1976

M.S., Natural Resources, University of Wisconsin - Stevens Point, Stevens Point, WI, 1979

Employment:

1984 - Present U.S. EPA, Duluth, MN

1978 - 1984 University of Wisconsin - Superior, Superior, WI

Research / Administrative Interests and Skills:

Analysis of phytoplankton pigments in the Great Lakes, chemical taxonomy, analysis of fatty acids in aquatic organisms, field multi-probes, fate of pesticides in littoral ecosystems.

Professional Societies:

International Association of Great Lakes Research

Selected Appointments/Honors/Major Awards:

1990 EPA Bronze Medal for Commendable Service

1990 EPA Scientific and Technological Achievement Award

1996 EPA Scientific and Technological Achievement Award - Honorable Mention

1999 EPA Scientific and Technological Achievement Award

Selected Publications: (of 24)

Trebitz, A.S., Brazner, J.C., Cotter, A.M., Knuth, M.L., Morrice, J.A., Peterson, G.S., Sierszen, M.A., Thompson, J.A., and Kelly, J.R. 2007. Water quality in Great Lakes coastal wetlands: basin-wide patterns and response to an anthropogenic disturbance gradient. *J. Great Lakes Res.*, in press.

Morrice, John A., John R. Kelly, Anett S. Trebitz, Anne M. Cotter, and Michael L. Knuth. 2004. Temporal dynamics of nutrients (N and P) and hydrology in a Lake Superior coastal wetland. *Journal of Great Lakes Research* 30 (Supplement 1):8296.

Knuth, M.L., L.J. Heinis, and L.E. Anderson. 2000. Persistence and distribution of azinphos-methyl following application to littoral enclosure mesocosms. *Ecotoxicol. Environ. Saf.* 47:167-177.

Liber, K., M.L. Knuth, and F.S. Stay. 1999. An integrated evaluation of the persistence and effects of 4-nonylphenol in an experimental littoral ecosystem. *Environ. Toxicol. Chem.* 18(3):357-362.

Heinis, L.J., M.L. Knuth, K. Liber, B.R. Sheedy, R. Tunell, and G.T. Ankley. 1999. Persistence and distribution of 4-nonylphenol following repeated application to littoral enclosures. *Environ. Toxicol. Chem.* 18(3):363-375.

Knuth, M.L. and L.J. Heinis. 1995. Distribution and persistence of diflubenzuron within littoral enclosure mesocosms. *J. Agric. Food Chem.* 43:1087-1097.

Knuth, M.L. and L.J. Heinis. 1992. Dissipation and persistence of chlorpyrifos within littoral enclosures. *J. Agric. Food Chem.* 40:1257-1263.

Heinis, L.J. and M.L. Knuth. 1992. The mixing, distribution, and persistence of esfenvalerate within littoral enclosures. *Environ. Toxicol. Chem.* 11:11-25.