

Kathryn A. Ewald, Ph.D.

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Summary of qualifications

Research in toxicology and experience with the Massachusetts Contingency Plan risk assessment approach has provided a broad basis for conducting human health risk assessment and ecological risk screening.

Education

University of Massachusetts, Amherst, MA

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| 1994-2000 | Ph.D., Environmental Health Sciences, concentration in environmental toxicology and food toxicology; dissertation: The Effect of an Acute Phase Response on the Toxicity of Mechanistically Distinct Toxins. |
| 1991-1994 | MS, Environmental Health Sciences, environmental toxicology, thesis: Lead Reduces the Nephrotoxicity of Mercuric Chloride. |
| 1977-1984 | BA, Philosophy, with mechanical engineering electives |

Professional experience

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| 2002- | University of Massachusetts, Amherst, MA, Environmental Health Sciences Department, Adjunct Assistant Professor |
| 2000- | KERA Environmental, LLC, Worthington, MA, Toxicology and Risk Assessment Specialist, Chief Executive
--Human health and ecological (screening) risk assessment: multiple clients; regional state approaches (MA, VT, NH, RI); familiarity with USEPA approach; residential, contractor, trespasser, employee, utility worker and ecological scenarios; soil, groundwater, indoor air; sediment and surface water exposures; heavy metals, volatile and semivolatile compounds, petroleum compounds and free-product; deed restrictions; case studies available upon request.
--Temporary and as-needed risk assessment staffing: project consulting; preparation and review of risk assessment documents; oversight of risk assessment staff
--Risk assessment review and technical support: offer attorneys and consultants second opinion review of risk assessments prepared by third parties
--Human health risk-evaluation for solid waste landfill permitting and siting in accordance with Massachusetts 310 CMR 16.00 and 19.000 |
| 1996-2000 | Tighe & Bond Consulting Engineers, Westfield, MA, Risk Assessment Specialist |
| 1987-1991 | Tighe & Bond Consulting Engineers, Westfield, MA; Field Services Coordinator |
| 1985-1987 | United Engineers, Holyoke, MA; Technical writer; training and field support |

Publications

- 2001 Lead Reduces the Nephrotoxicity of Mercuric Chloride. K.A. Ewald and E.J. Calabrese. *Ecotoxicology and Environmental Safety*, 48:215-218.
- 1999 Susceptibility to Chlordecone-Carbon Tetrachloride Induced Hepatotoxicity and Lethality is Both Age and Sex Dependent. R.B. Blaine, R. Reeves, K.A. Ewald, D. Leonard, E.J. Calabrese. *Toxicological Sciences*, 50:280-286.
- 1995 Innovation skyrockets at 50,000 LUST sites. D. Tremblay, D. Tulis, P. Kostecki, Ph.D., K. Ewald. *Soil & Groundwater Cleanup*, December 1995.

Additional professional activities

- 2004 Society of Toxicology Annual Meeting, poster presentation: "Protection Against Mechanistically Distinct Hepatotoxins is Associated with Acute Phase Response", K.A. Ewald and E.J. Calabrese.
- 2000--2004 Editorial Board, *Regulatory Toxicology and Pharmacology*
- 2000 Chemical and Radiation Hormesis Conference, Uof Mass, Amherst; staff support
- 1999 - Reviewer: *Human and Ecological Risk Assessment*
- 1996,1998 Conference on Hormesis, NIEHS, Research Triangle Park, NC; staff support
- 1993-1997 Annual Conference on Contaminated Soils, U. of Mass., Amherst; staff support
- 1995 Uof Massachusetts/EPA collaboration on state survey of alternative innovative technologies for UST site remediation.

Professional memberships and certifications

- 2004 - Massachusetts LSP Association
- 2003 - Women Business Enterprise (WBE), Commonwealth of Massachusetts
- 1997 - Society of Toxicology
- 2000 - Society for Risk Analysis
- 2000 - International Society of Regulatory Toxicology and Pharmacology

Community activities

- 2000 - 2001 Worthington Community Vision Steering Committee
- 1994 - Worthington Conservation Commission

References

- E.J. Calabrese, Ph.D., University of Massachusetts
P. Kostecki, Ph.D., University of Massachusetts
D.G. Healey, President, Tighe & Bond Consulting Engineers