



LARRY E. ERICKSON

Professor of Chemical Engineering and
Director of the Hazard Substance Research Center

B.S., Chemical Engineering, Kansas State University (1960)
Ph.D., Chemical Engineering, Kansas State University (1964)

lerick@ksu.edu 785-532-4313
<http://www.che.ksu.edu/faculty/erickson>

RESEARCH INTERESTS:

- Environmental Engineering
- Transport Phenomena
- Process Design
- Biochemical Engineering
- Biological Waste Treatment
- Food Engineering
- Biodegradation
- Hazardous Waste Engineering
- Sustainability

SELECTED PUBLICATIONS:

Kalainesan, S. L., L.E. Erickson, S.L.L. Hutchinson, J.E. Urban, and R. Karthikeyan, "Transformation of Tertiary Butyl Mercaptan in Aerobic Environments," *Environmental Progress* 25, 189-200 (2006).

Yang, X., L.E. Erickson, K.L. Hohn, P. Jeevanandam, and K.J. Klabunde, "Sol-Gell Cu-Al₂O₃ Adsorbents for Selective Adsorption of Thiophene out of Hydrocarbon," *Ind. Eng. Chem. Res.* 45, 6169-6174 (2006).

Castro, S., L.C. Davis, and L.E. Erickson, "Natural, Cost-Effective, and Sustainable Alternatives for Treatment of Aircraft Deicing Fluid Waste," *Environmental Progress* 24, 26-33 (2005).

Steichen, E.M., A. Bhandari, S.L. Hutchinson, L.N. Reddi, D. Steward, and L.E. Erickson, "Improving Interdisciplinary Geoenvironmental Engineering Education through Empowerment Evaluation," *International Journal of Engineering Education* 22, 171-182 (2006).

Gupta, P.P., K.L. Hohn, K.J. Klabunde, A.F. Bedilo, and L.E. Erickson, "Transformation of Nanocrystalline MgO Pellets in Reaction with 1-Chlorobutane," *AIChE J.* 50, 3195-3205 (2004)

Castro, S., L.C. Davis, and L.E. Erickson, "Temperature and pH Effects on Phytotransformation of Benzotriazoles," *International J. of Phytoremediation* 6, 209-225 (2004).

Davis, L.C and L.E Erickson, "A review of bioremediation and natural attenuation of MTBE," *Environmental Progress* 23 (3): 243-252 (2004).

Hart, D.S., L.C. Davis, L.E. Erickson, et al., "Sorption and partitioning parameters of benzotriazole compounds," *Microchemical Journal* 77 (1): 9-17 May (2004).

Karthikeyan, R., L.C. Davis, L.E. Erickson, et al., "Potential for plant-based remediation of pesticide-contaminated soil and water using nontarget plants such as trees, shrubs, and grasses," *Critical Reviews In Plant Sciences* 23 (1): 91-101 (2004).

