Xiaoxia Lu

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Education

Ph.D. in Chemical Engineering, Louisiana State University, Dec., 2003
Research area: Environmental Engineering. Minor: Experimental Statistics
M.S in Chemical Engineering Tianjin University, Tianjin, China Mar. 1995
Research area: Chemical Reaction Engineering
B.S. in Chemical Engineering Hebei University of Technology (HBUT), Tianjin, China July 1992
Specialty: Inorganic Chemical Engineering

Research Interests Fate and transport of contaminants in the environment, assessment and remediation of contaminated sediments, environmental chemistry and toxicology, and environmental statistics.

Experience

Research associate, Dept. of Civil, Architectural, and Environmental Engineering, University of Texas at Austin, TX, Sept.2006-Present
Postdoc fellow, Dept. of Civil, Architectural, and Environmental Engineering, University of Texas at Austin, TX, Aug, 04- Sept.2006
Postdoc fellow, Hazardous Substance Research Center/S&SW LSU 9/03-8/04
Research assistant, Department of Chemical Engineering, LSU 8/98 –8/03

Publications

X.X.Lu, J.W. Fleeger, and D.D.Reible, 2006. Bioavailability of PAHs in field-collected Anacostia river sediment. *Environmental Toxicology and Chemistry*, 25(11), 2869-2874.
X.X.Lu, D.D.Reible, A.Khanam, and H Blische, Laboratory studies of organoclay for control of NAPLs in sediment. Submitted.
X.X. Lu, D.D. Reible, and J.W., Fleeger. 2004. Bioavailability, and assimilation of sediment-associated benzo[*a*]pyrene by *Ilyodrilus templetoni* (Oligochaeta). *Environmental Toxicology and Chemistry.* 23(1), 57-64
X. X. Lu, D.D. Reible and J.W. Fleeger, 2004. Relative importance of ingested sediment versus pore water as uptake routes for PAHs to deposit-feeding Oligochaete. *Arch Environ Contam Toxicol* 47(2), 207-214.
X.X. Lu, D.D. Reible, J.W Fleeger, and Y Z Chai. 2003. Bioavailability of desorption –resistant phenanthrene to the oilgochaete *Ilyodrilus templetoni*, *Environ Toxicol and Chem.* 22(1), 153-160.
X.X. Lu, and D.D. Reible. 2003. Linking sediment exposure with effects: modeling techniques, organic availability and uptake. *International Journal of Sediment Research*, 18(2), 208-213.
D.D. Reible, and X. X. Lu, Desorption, accumulation and elimination of sediment-associated phenanthrene and benzo[*a*]pyrene to freshwater Oligochaete, 2nd international symposium on contaminated sediment(ISCS), Quebec city, Canada. May 2003
D.D.Reible, X. X. Lu, J.W. Fleeger, J. Pardue, J. Hughes and M. Tomson. Sequestration and Bioavailability of PAHs in sediments, Proceedings of Battelle Sediments Conference, Venice, Italy, November 2001.
X.X.Lu, J.W. Fleeger, and D.D.Reible, Impact of sediment ingestion and digestion on contaminant release and bioavailability. In preparation.
X.X. Lu, Feng Xin, and Shaofen Li. 1999. Aromatization of propane over ZSM- zeolite catalysts, HuaXue GongYe Yu Gongcheng (In Chinese) 16(4), 222-228
X.X. Lu, Hui Liao and Shaofen Li. 1998. Estimation of coordination number of porous media by effective medium approximation. Gaoxiao Huanxue Gongcheng Xuebao, 12(1) 12-16.

Major Presentations

X. X. Lu, D.D. Reible and J.W. Fleeger, SETAC annual meeting, 2000, 2001, 2002, 2004, and 2006.
X. X. Lu, D.D. Reible and J.W. Fleeger, AIChE annual meeting, 2002, and 2004
X.X. Lu, and D.D. Reible, US-China workshop on sediment transport and environmental studies. Milwakee, Wisconsin, July, 2002

Honors and Awards

Dr. Charles E. Coats Scholar Research Awards ($5000/year), 2002-2003
2003 College of Engineering Exemplary Dissertation Award
2003 Charles E. Coats Outstanding Dissertation Award