Danny D. Reible, PhD, PE, BCEE, NAE

Donovan Maddox Distinguished Engineering Chair

Department of Civil, Environmental and Construction Engineering
Department of Chemical Engineering
Texas Tech University Lubbock, TX 79424

A. Professional Preparation

1972-1977	B.S. (highest honors) in Chemical Engineering, Lamar University
1977-1979	MS in Chemical Engineering, California Institute of Technology
1977-1981	PhD in Chemical Engineering, California Institute of Technology

Member, National Academy of Engineering, Registered Professional Chemical Engineer and Environmental Engineer; Board Certified Environmental Engineer (BCEE) -American Academy of Environmental Engineers; Fellow, AAAS, AIChE

B. Appointments

09/2013-date	Donovan Maddox Distinguished Engineering Chair *Texas Tech University, TX* Adjunct Professor *The University of Texas, TX*
2011-2013	Director, Center for Research in Water Resources *The University of Texas, TX*
2004-2013	Bettie Margaret Smith Chair of Environmental Health Engineering *The University of Texas, TX*
2004-date	Director and Professor Emeritus *Louisiana State University, LA*
1993-1995	Shell Professor of Environmental Engineering *University of Sydney, AU*
1990	Senior Visitor, Department of Applied Mathematics and Physics *Cambridge University, UK*
1981-2004	Assistant, Associate and Chevron Professor of Chemical Engineering *Louisiana State University, LA*

(c-i) Recent Publications (>*140 journal publications; 6 books, authored or edited, >35 book chapters)*

Reible, D.D., Honarparvar, S., Chen, C.C., Illangasekare, T.H. and MacDonell, M., 2016. Environmental Impacts of Hydraulic Fracturing. In Environmental Technology in the Oil Industry (pp. 199-219). Springer International Publishing.

Oleszczuk, P., Godlewska, P., Reible, D. D., & Kraska, P. (2017). Bioaccessibility of polycyclic aromatic hydrocarbons in activated carbon or biochar amended vegetated (Salix viminalis) soil. Environmental Pollution, 227, 406-413.

Huang, L., Fang, H., Xu, X., He, G., Zhang, X., & Reible, D. (2017). Stochastic modeling of phosphorus transport in the Three Gorges Reservoir by incorporating variability associated with the phosphorus partition coefficient. Science of the Total Environment, 592, 649-661.

Silvani L., Latini A., Reible D. & Petrangeli Papini M. (2017) Characterizing toluene adsorption onto carbon nanotubes for environmental applications. Desal. Wat. Treat. 60, 218–227, doi: 10.5004/dwt.2017.0839

Fang, H., L. Huang. D. D. Reible (2016) Environmental Assessment of Heavy Metal Transport and Transformation in the Hangzhou Bay, China, Journal of Hazardous Materials , pp. 447-457 DOI:10.1016/j.jhazmat. 2015.09.060

Huang, Lei, Hongwei Fang, and Danny Reible (2015) "Mathematical model for interactions and transport of phosphorus and sediment in the Three Gorges Reservoir." Water Research 85 393-403.

Hong Y, Wetzel D, Pulster EL, Hull P, Reible D, Hwang HM, Ji P, Rifkin E, Bouwer E. (2015) "Significant Spatial Variability of Bioavailable PAHs in the Water Column and Sediment Porewater in the Gulf of Mexico One Year After the Deepwater Horizon Oil Spill." Environ Monit Assess. Oct;187(10):646.

Yan, Fei, and Danny Reible. (2015) "Electro-bioremediation of contaminated sediment by electrode enhanced capping." Journal of environmental management 155: 154-161.

Thomas, Courtney L., and Danny D. Reible (2015) "Modeling Compound Loss from Polydimethylsiloxane Passive Samplers." Chromatography 2.4 611-624.Shen, X., & Reible, D. (2015). An analytical solution for one-dimensional advective–dispersive solute equation in multilayered finite porous media. Transport in Porous Media, 107(3), 657-666.

Kupryianchyk, D., Rakowska, M.I., Reible, D., Harmsen, J., Cornelissen, G., van Veggel, M., Hale, S.E., Grotenhuis, T. and Koelmans, A.A., 2015. Positioning activated carbon amendment technologies in a novel framework for sediment management. Integrated environmental assessment and management, 11(2), pp.221-234.

(d) <u>Synergistic Activities</u>

- Kappe Lecturer of AAEES 2017
- Fellow Institute of Advanced Studies, University of Bologna, External Advisor of EU Project "Kill Spill" focused on response and remediation after oil spills into the environment
- Visiting Faculty Foreign Expert, Hydraulic Engineering, Tsinghua University 2011- current
- National Research Council Board of Environmental Studies and Toxicology, 2005-2011 and Member or Chair of eight National Research Council Committees on behavior and management of environmental contaminants
- Member of Editorial Board or Associate Editor of 5 environmental science and engineering journals
- National Academy of Engineering, elected in 2005 for the "development of widely used approaches for the management of contaminated sediments". Board Certified Environmental Engineer, Professional Engineer (LA), Fellow of the AAAS and AIChE. Received the L.K. Cecil Award from AIChE in 2001 and the Malcolm Pirnie Frontiers in Research Award from the Association of Environmental Engineering and Science Professors in 2011. Lifetime Achievement Award of the Association of Environmental Health Sciences in 2014. Kappe Lecturer 2017
- Director, Hazardous Substance Research Center, South and Southwest, 1995-2007 Director, Center for Research in Water Resources, University of Texas 2011-2013, Coordinator, Environmental and Water Resources, University of Texas 2007-2010