

CURRICULUM VITAE

February 2025

DANNY DAVID REIBLE, PhD, PE(LA), BCEE, NAE

Donovan Maddox Distinguished Engineering Chair

Paul Whitfield Horn Professor

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ADDRESS: Departments of Civil, Environmental and Construction Engineering and Chemical Engineering
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EDUCATION:

- Ph.D. Chemical Engineering, June 1982 (MS, 1979)
California Institute of Technology, Pasadena, California
Thesis: Pollutant Transport in Complex Atmospheric Flows
- B.S. Chemical Engineering with highest honors, May 1977
Lamar University, Beaumont, Texas

PROFESSIONAL EXPERIENCE:

Department of Civil, Environmental and Construction Eng./Chemical Eng., Texas Tech University
Interim Chair of Chemical Engineering, Interim Director of the Water Resources Center
Paul Whitfield Horn Professor (4/19 -), Donovan Maddox Distinguished Engineering Chair (9/13-)
Department of Civil, Architectural and Environmental Engineering, University of Texas
Adjunct Prof (9/13-9/16), Director, Center for Research in Water Resources (9/11-8/13)
Coordinator, Environmental and Water Resources (8/07-9/10)
Bettie Margaret Smith Chair of Environmental Health Engineering (8/04-9/13)
Department of Hydraulic Engineering, Tsinghua University, Distinguished Visiting Professor (2011-2024)
Department of Chemical Engineering, LSU
Professor (8/92 – 8/04), Chevron Endowed Professor (1/98- 8/04), Emeritus (8/04-)
Director, Hazardous Substance Research Center/South & Southwest (7/05-9/07)
Shell Professor of Environmental Engineering, University of Sydney, Sydney, Australia (7/93-7/95)

HONORS AND AWARDS:

2024 Big 12 TTU Faculty Member of the Year
2024 Fellow, Chinese Academy for Environmental Sciences
2023 Fellow, National Academy of Inventors
2022 American Chemical Society Symposium “Sustainable Water & Sediment Management” in my honor
2020 Gordon Maskew Fair Award, American Academy of Environmental Engineers and Scientists
2017 Kappe Lecturer, American Academy of Environmental Engineers and Scientists
2015 Amundson Lecturer, University of Guadalajara, Mexico
2014 Lifetime Achievement Award, Association of Environmental Health Sciences
2014 Senior Fellow, Institute for Advanced Studies, University of Bologna
2011 Malcolm Pirnie Frontier in Research Award- Association of Environ. Egr and Science Professors
2009 Fellow, American Association for the Advancement of Science (1987 Env Sci and Egr Fellow)
2007 Fellow, American Institute of Chemical Engineers
2006 Presidential Service Award for environmental mentoring of former Soviet defense scientists
2005 Elected to the National Academy of Engineering for “managing contaminated sediments”
2004 Board Certified Environmental Engineer, American Academy of Env. Engineers *by eminence*
2002 Charles E. Coates Award - American Chemical Society/American Institute of Chemical Eng.
2001 Lawrence K. Cecil Award of the American Institute of Chemical Engineers
1991 Senior Visitor, Cambridge University Department of Applied Math and Theoretical Physics
1986 New Engineering Educator Excellence Award, American Society for Engineering Education

PROFESSIONAL ACTIVITIES:

National/International Advisory Activities and Leadership Roles (Since 2000):

Director, Center for Couple Urban/Rural Environmental Sustainability (CURES), Texas Tech University
Editorial Board, *Green Chemical Engineering* (2024-)
Applied NAPL Science Review Board of Directors (2021-)
Editorial Board, *Toxics* (2021-)
Executive Editor in Chief, *Environmental Science and Ecotechnology* (Elsevier) (2019-)
Programme Advisory Board - Unconventional Hydrocarbons in the UK Energy System (2018-2022)
Lead Foreign Expert, 111 Project on Fluvial Ecohydraulics, Tsinghua University (2018-2024)
Testimony, Texas House Energy Resources Committee (July 2017)
Water Lead, Shale Task Force of The Academy of Medicine, Engineering and Science of Texas (2016-17)
Secretary of Executive Board, The Academy of Medicine, Engineering and Science of Texas (2015-17)
Kappe Lecturer- American Academy of Environmental Engineers and Scientists (2017)
Chair, US UK Workshop on Environmental Impacts of Unconventional Oil and Gas Development (2015)
Associate Editor, *International Journal of Sediment Research* (2015-)
Associate Editor, *Environmental Toxicology and Chemistry* (2015-2019)
USACE/COPRI 2014 Project Excellence Award (in support of Maul-Foster and Zidell Remediation project)
Conference Chair, Texas Water Summit: Securing our Economic Future, May 2014
Chair, NAS Committee on *Habitat Conservation Plan of the Edwards Aquifer Authority* (2014-2018)
Conference Chair, Managing the Environmental Challenges of Shale Gas, ECI August 2013, Boulder, CO
Organizing comm. AIChE/AWMA Shale E&P- Water Challenges & Opportunities, 11/12, Pittsburgh PA
Founding Chair, International Society for Water Solutions (AIChE) (2012-2016)
Editorial Board, *Journal of Environmental Chemodynamics and Modeling* (2012-)
Chair, Texas Water Summit (May, 2012)
AIChE Water Advisory Board (2010-), Chair (2012-2013)
Rice University Civil and Environmental Engineering Advisory Committee (2010-)
Associate Editor, *Limnology and Oceanography: Fluids and Environments* (2010-2015)
EPA Science Advisory Board, Environmental Engineering Committee (2009-2015)
National Research Council Committee on Chemical Munitions Disposal (2009- 2011) USACE
ERDC Contaminated Sediment Programs Peer Review Panel (2009-)
Moderating Panel – US/UK Programme on Nanomaterials (2009)
USACE ERDC Environmental Laboratory Peer Review Panel (2008)
Advisory Committee, Doctoral Program, Lamar University (2006-)
National Research Council Committee on OMB Risk Assessment Guidance (2006- 2007)
National Research Council Committee on Dredging Effectiveness (2006-2007)
Associate Editor, *Journal of Environmental Engineering* (2006-)
Editorial Board, *Environmental Forensics* (2006-)
National Research Council post-Katrina Workshop Steering Committee (2005)
Member, WATERS Network Conceptual Design Team for the National Science Foundation (2005-2007)
Co-Chair, Science Committee for National Science Foundation CLEANER Initiative (2005- 2007)
National Research Council Board of Environmental Studies and Toxicology (2005- 2011)
Member, LSU College of Engineering Dean's External Advisory Council (2005-)
Director, NATO ARW Assessment and Remediation of Contaminated Sediments, Bratislava 5/18-21/2005
Chair, National Science Foundation Review- Distinguished Teacher/Scholars 2005 (member, 2004)
Associate Editor, *Journal of the Air and Waste Management Association* (2004-2014)
Participant and Proceedings Co-Author, Pellston Workshop- Use of Sediment Quality Guidelines (2002)
Director, NSF PASI In-Situ Assessment & Remediation of Contaminated Sites, Rio de Janeiro 7/22-8/2/02
Testimony- US House of Representatives Subcommittee- Water Resources and the Environment (2001)
Director, NATO ASI In-Situ Assessment and Remediation of Contaminated Sites, 5/24-6/2/01, Prague
Chair, Workshop on Modeling Contaminated Sediments, Penn St. Univ, (July 2000)
National Research Council Committee on Environmental Remediation at Navy Facilities (2000 - 2003)
Associate Editor, *Chemical Engineering Journal*, Elsevier Science Publishers (2000- 2007)
National Research Council Committee on Remediation of PCB-Contaminated Sediments (1999 - 2001)
External Examiner, Environmental Engineering, National Singapore University (1995 - 2000)

University Administrative and Advisory Activities (TTU)

Interim Chair of Chemical Engineering (2022- 2023)

Member, TTU Dean Search Committee (2022- 2023)
 Interim Director, Water Resources Center (2022- 2023)
 Co- Lead Strategic Initiative on Sustainable Rural/Urban Systems (2022 -2023)
 Member, TTU Provost Search Committee (2021)
 Member, TTU Strategic Planning Committee, TTU (2016-2017, 2021-2022)
 Member, Dean Review Committee, TTU (2015-2016, 2021)
 Member, Mechanical Engineering Chair Search Committee, TTU (2015 - 2016)
 Director, Unconventional Production Technology and Environmental Consortium, TTU (2013-)
 Manager of Maddox Engineering Research Center facilities for Environmental Engineering (2016-)
 Chair, Faculty Searches in Environmental Engineering /Water Resources Engineering TTU (2013-2018)

Professional Affiliations:

American Association for the Advancement of Science, Fellow (2009)
 American Chemical Society, member - Symposium Chair, 1999, 2009
 American Institute of Chemical Engineers, Fellow (2007)
 National Water Advisory Board 2009-2012
 Symposium Chair, 1986, 1989, 1992, 1998- 2000, 2002- 2006, 2008- 2011
 Meeting Program Chair, San Diego, CA, 1990
 Executive Board of National Programming Committee, 1991-1995, Chair 1994
 Environmental Division, 2nd Vice Chair, Vice Chair, Chair, Past-Chair, 2002-2005
 Baton Rouge Section, Treasurer (1985), Chair (2000), Director (2003-2004)
 International Society for Water Solutions, Chair (2012-2016)
 American Geophysical Union, member -Symposium Chair, 1998, 2005, 2008
 Society for Environmental Toxicology and Chemistry, member- Symposium Chair, 1999, 2008, 2009
 Member –Alpha Chi Sigma (Chemistry Fraternity), American Society of Civil Engineers, American Society for Engineering Education, Association of Environmental Engineering and Science Professors, National Academy of Engineering, Sigma Xi, American Academy of Environmental Engineers (BCEE), The Academy of Medicine Engineering and Science of Texas, Water Environment Federation
 Board of Directors (2013-2017), Secretary and member of Executive Board (2016-2017)
 Universities Council of Water Resources, Carbondale, IL-Delegate (1998-)

CURRENT ACTIVITIES:

Dr. Reible is currently the Paul Whitfield Horn Professor and Donovan Maddox Distinguished Engineering Chair at Texas Tech University. He previously served as Director of the multi- university consortium, the Hazardous Substance Research Center (HSRC) South and Southwest (1995-2007) while at Louisiana State University and as the Bettie Margaret Smith Chair of Environmental Health Engineering (2004-2013) and Director of the Center for Research in Water Resources (2011-2013) at the University of Texas. Dr. Reible was inducted into the National Academy of Engineering in 2005 for “the development of widely used approaches to managing contaminated sediments”. His current research is focused on sustainable water management and the assessment and remediation of contaminated sites as well as the development of sustainable energy resources. Specific research activities include the development of passive sampling to assess and manage risks in contaminated sediment sites and development and application of technologies for desalination and beneficial reuse of produced water. Dr. Reible has served as PI on projects totaling approximately \$50 million and has authored/edited 6 books, 50 chapters in books, and more than 200 refereed journal papers.

urrent Research Projects (PI unless noted)

- TWDB: Texas Produced Water Consortium (2021-2023) (co-PI) Renewed 2023-2025 for \$5M
- USACE – Advanced Oxidation of Contaminated Sediments (2023-2025) \$600K
- ARPA-E - Production of Geologic Hydrogen Through Stimulation (2024-2026) \$2.0 MM
- DHS CIRI - Building Resilience and Security in Drinking Water Systems 2024-2025 (\$530K (\$150K TTU)
- ODEQ/ExxonMobil – Multiple environmental passive sampling projects set to begin summer 2025

PUBLICATIONS (h-index, Web of Science 35, Scopus 36, Google Scholar 46)

A. Refereed Publications

Books

1. Reible, D. Ed. *Sediment Processes, Assessment and Remediation*, Springer, New York, 2014
2. Reible, D. and T. Lanczos, Ed. *Assessment and Remediation of Contaminated Sediments*, NATO Science Series IV, Earth and Environmental Sciences Vol. 73. Springer-Verlag, Dordrecht, Netherlands (2006)
3. Chien, C.C.; Medina, M.A. Jr.; Pinder, G.F., Reible, D.D.; Sleep, B.E. and Zheng, C. Ed. *Environmental Modeling and Management: Theory, Practice, and Future Directions*, Today Media, Inc., Wilmington, DE (2002) Reprinted with revisions as *Contaminated Ground Water and Sediment*, Lewis Publishers (2004)
4. Reible, D., K. Demnerova, Ed. *In-Situ Assessment and Remediation of Contaminated Sites*, NATO Science Series in Environmental Sciences, Kluwer, Netherlands (2002)
5. Choy, B. and D.D. Reible, *Diffusion Models of Environmental Transport*, CRC/Lewis Publishers (2000).
6. Reible, D.D. *Fundamentals of Environmental Engineering*, CRC/ Lewis Publishers (1999) (2nd Ed. In Press)

National Academy of Sciences Refereed Committee Reports

1. *Review of the Edwards Aquifer Habitat Conservation Plan*., National Research Council, Water Science and Technology Board Report (Danny D. Reible, Chair), National Academy Press- Report 1 Evaluation of Scientific Programs (2015) Report 2 Efficacy of Conservation Measures (2017), Report 3 Evaluation of Biological Goals and Objectives (2018)
2. *Review of Closure Plans for the Baseline Incineration Chemical Agent Disposal Facilities*, National Academy Press (2010) Committee: P. Lederman, G.S. Groenewold, D. Grubbe, J.R. Howell, T. A. Kimmell, K.E. Philipose, L. T. Phillips, D.D. Reible, W.L. Short, L. M Siegel, D.A Skiven, S.A. Telford, L.J. Washington.
3. *Review and Assessment of Closure Plans for the Tooele Chemical Agent Disposal Facility and the Chemical Agent Munitions Disposal System*, Letter Report, National Academy Press (2009) Committee: P. Lederman, L. M Siegel, D.A. Skiven, J.R. Howell, D.D. Reible, D. Grubbe, T. A. Kimmell
4. *Assessing the Effectiveness of Dredging at Superfund Megasites*, National Academy Press (2007) Committee: C.R. O'Melia, G.A. Burton, W.H. Clements, F.C. Curriero, D. Di Toro, N.R. Francingues, R.G. Luthy, P.L. McCarty, N. Musgrove, K.N. Probst, D.D. Reible, L.J. Thibodeaux, D.J. Voorhees, J. Wolfe
5. *Scientific Review of the Proposed Risk Assessment Bulletin from the Office of Management and the Budget*, National Academy Press (2007) Committee: J.F. Ahearne, G.V. Alexeff, G.B. Baecher, A. J. Bailer, R. M. Cooke, C.E. Feigley, B. Fischhoff, C. P. Gerba, R. H. Goldman, R. Haveman, W. E. Kastenberg, S. Katzen, E. Miranda, M. Newman, D. E. Patton, C. Poole, D.D. Reible, J. V. Rodricks
6. *Environmental Cleanup at Navy Facilities: Adaptive Site Management* National Academy Press (2003) Committee: E.J. Bouwer, G.F. Parkin, S.B. Garland, P.E. Haas, R. Johnson, M.M. Lorah, F.G. Pohland, D.D. Reible, L.M. Siegel, M.J. Small, R.G. Stahl, A.D. Stark, A.J. Valocchi, W.J. Walsh, C. Welty
7. *A Risk Management Strategy for PCB-Contaminated Sediments*, National Academy Press (2001) Committee: J.W. Farrington, R. Loehr, E. Anderson, W. F. Bohlen, Y. Cohen, K. Farley, J. Giesy, D. Henshel, S. Lester, K. Liegel, P. McCarty, J., O'Donaghue, J. Opaluch, D. Reible

Chapters in Books and Refereed Proceedings Volumes

1. Taraban, R., Iserman, M., Pittman, J. C., Yeo, N., Campbell, R. C., Kim, J. H., & Reible, D. D. (2021, July). Work in Progress: Assessment of Reflective Thinking in Graduate Engineering Students: Human and Machine Methods. In *2021 ASEE Virtual Annual Conference Content Access*.
2. Campbell, R. C., Nguyen, N. T., Kim, J. H., Duke, L. A., Taraban, R., & Reible, D. D. (2021, July). Visual Thinking Strategies (VTS) for Promoting Reflection in Engineering Education: Graduate Student Perceptions. In *2021 ASEE Virtual Annual Conference Content Access*.
3. Honarparvar, S., Chen, C. C., & Reible, D. (2021). Modeling Ion Transport in Electrodialysis of Concentrated Solutions. In *Advances In Water Desalination Technologies* (pp. 193-226).
4. Kim, J., Nguyen, N. T., Campbell, R. C., Taraban, R., Reible, D., Na, C. & Yoo, S. (2020, Apr 17 - 21) Would Eisner Be Happy With Us? Developing Reflective Engineers Through an Arts-Incorporated Engineering Graduate Curriculum. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/vbwelkl>
5. Campbell, R. C., Reible, D., Taraban, R., & Kim, J.-H. (2020). More than a Dream: The Developing Reflective Engineers through Artful Methods (DREAM) Project. In *Proceedings of the 2020 ASEE Gulf-Southwest Annual Regional Conference* (p. 2). Online (originally Albuquerque, NM, USA): American Society for Engineering Education.
6. Kim, J.-H. Campbell, R. C., Reible, D., Taraban, R. (2019). Exploring Ways to Develop Reflective Engineers: Toward Phronesis-Centered Engineering Education. *Proceedings of the American Society for Engineering Education (ASEE) Annual Conference*.
7. Campbell, Ryan C. and Reible, Danny D. and Taraban, Roman and Kim, Jeong-Hee. (2018). Fostering Reflective Engineers : Outcomes of an Arts- and Humanities-Infused Graduate Course. *Proceedings of the 2018 World Engineering Education Forum - Global Engineering Deans Council (WEEF-GEDC)*. doi:10.1109/WEEF-GEDC.2018.8629714
8. Campbell, R. C., Taraban, R., Kim, J.-H., Reible, D. D., Hoffman, J., & Na, C. (2017). Exploring the Effects of a Visual Thinking Strategies Workshop on the Reflective Thinking of Undergraduate Engineering Students. In *Proceedings of the American Society for Engineering Education (ASEE) Annual Conference* (p. 15). Columbus, OH, USA: American Society for Engineering Education. Retrieved from <https://www.asee.org/public/conferences/78/papers/19502/view>
9. 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.
10. V Uddameri and D. Reible (2016) Water Availability in the Permian Basin of Texas; in *Fracturing Impacts and Technologies – A Multidisciplinary Perspective* (Ed: V. Uddameri, A. Morse and K. Tindle); pp 131-136; CRC Press; ISBN: 978-1498721172
11. Williams , J., Reible, D., Darvari, R., Vercellino, T., and Morse, A. (2016) Reuse and Recycling Flowback and Produced Waters; in *Fracturing Impacts and Technologies – A Multidisciplinary Perspective* (Ed: V. Uddameri, A. Morse and K. Tindle); pp. 159-173 CRC Press; ISBN: 978-149872117
12. Reible, D. (2014). Sediment and Contaminant Processes, Chapter 2 in *Processes, Assessment and Remediation of Contaminated Sediments*, D. D. Reible, Ed. Springer Science,
13. Lu,, X., Hong, Y.S., Reible, D.D. (2014). Assessing bioavailability of hydrophobic organic compounds and metals in sediments using freely available porewater concentrations, Chapter 7 in *Processes, Assessment and Remediation of Contaminated Sediments*, D. D. Reible, Ed. Springer Science

14. Reible, D. and Lampert, D.J. (2014) Capping for remediation of contaminated sediments, Chapter 12 in *Processes, Assessment and Remediation of Contaminated Sediments*, D.D. Reible, Ed. Springer Science (September)
15. Reible, D. and A.J. Shepard (2014) Contaminated Sediment Research and Development Needs, Chapter 15 in *Processes, Assessment and Remediation of Contaminated Sediments*, D.D. Reible, Ed., Springer Science
16. Yan, F., Reible, D. (2013) Modeling of Funnel and Gate Systems for Remediation of Contaminated Sediment, *Fluid Dynamics in Physics, Engineering and Environmental Applications, Environmental Science and Engineering*, pp. 391-400
17. Knox, A., I. Petrisor, C. Turick, J. Roberts, M. Paller, D. Reible, C. Forest (2010) Life Span of Biopolymer Sequestering Agents for Contaminant Removal and Erosion Resistance, *Biopolymers*, M. Elnashar, Ed., Sciyo Press, Croatia
18. Thibodeaux, L.J., J. Birdwell, D. Reible (2010) Diffusive Chemical Transport across Water and Sediment Boundary Layers, Chapter 12 in *Handbook of Environmental Chemical Mass Transport*, Taylor and Francis, CRC Press
19. Louis J. Thibodeaux, Justin E. Birdwell, Thibodeaux, L.J., G. Matisoff, D. Reible (2010) Bioturbation and other sorbed-phase transport processes in surface soils and sediments. Chapter 13 in *Handbook of Environmental Chemical Mass Transport*, Taylor and Francis, CRC Press
20. Reible, D.D. (2009) Hurricane Katrina: Engineering and Environmental Concerns, in *Decision Support for Natural Disasters and Intentional Threats to Water Security*, 29-46, Springer
21. Reible, D.D., C. Kiehl-Simpson, A. Marquette (2008) Steady-State Model of Chemical Migration in a Sediment Cap, *Handbook of Environmental Chemistry*, Springer –Verlag
22. Reible, D.D. (2008) Contaminant Processes in Sediments, in *Sedimentation Engineering- ASCE Manual Volume 110*, Ed. Marcel Garcia.
23. Reible, D.D. and L.J. Thibodeaux (2006) Particle and soluble release of organic contaminants from the sediment bed, *Chemistry in the Environment*, Italian Interuniversity consortium (INCA), Rome, Italy
24. Reible, D.D. and G. V. Lowry (2006) In situ cap and treat technologies for contaminated sediments *Chemistry in the Environment*, Italian Interuniversity Consortium (INCA) Rome, Italy
25. Jeanne E. Tomaszewski, Dennis W. Smithenry, Yeo-Myoung Cho, Richard G. Luthy, Greg V. Lowry, Danny Reible, Tomas Macek, Martina Surá, Zuzana Chrástilová, Katerina Demnerova And Martina Macková, Daniela Pavliková, Miklos Szekeres, Michel Sylvestre (2006) Treatment and containment of contaminated sediments, Chapter 3 in *Assessment and Remediation of Contaminated Sediments*, D.D. Reible and T. Lanczos, Ed. NATO Science Series IV, Earth and Environmental Sciences Vol. 73. Springer-Verlag, Dordrecht, Netherlands
26. Sam Bentley, Louis Thibodeaux, Peter Adriaens, Meng-Yeng Li, María Romero-González* And Steven A. Banwart, Zdenek Filip And Katerina Demnerova, Danny Reible (2006) Physicochemical and biological assessment and characterization of contaminated sediments, Chapter 2 in *Assessment and Remediation of Contaminated Sediments*, D.D. Reible and T. Lanczos, Ed. NATO Science Series IV, Earth and Environmental Sciences Vol. 73. Springer-Verlag, Dordrecht, Netherlands
27. Reible, D.D. (2006) Options for the Neponset, Chapter 26 in *Contaminated Soils, Sediments and Water: Successes and Challenges, Vol 10*, EJ. Calabrese, P.T. Kostecki and J. Dragun, Ed. Springer
28. Lowry, G.V., P.J. Murphy, A. Marquette, and Reible, D.D. (2006) Sorbent Amended “Active Sediment Caps for In-Place Management of PCB-Contaminated Sediments”, Chapter 27 in *Contaminated Soils, Sediments*

and Water: Successes and Challenges, Vol 10, E.J. Calabrese, P.T. Kostecki and J. Dragun, Ed. Springer

29. Chapman, P., W.J. Birge, R.M. Burgess, W.H. Clements, W.S. Douglas, M.C. Harass, C. Hogstrand, D.D. Reible, A. Ringwood (2005) Role of Sediment Quality Guidelines and Other Tools in Aquatic Habitats, Chapter 7 in *Use of Sediment Quality Guidelines*, Ed. By R. Wenning, C. Ingersoll and G. Batley, SETAC Press
30. Chapman, P., W.J. Birge, R.M. Burgess, W.H. Clements, W.S. Douglas, M.C. Harass, C. Hogstrand, D.D. Reible, A. Ringwood (2005) Uncertainties in Assessment of Sediment Systems, Chapter 17 in *Use of Sediment Quality Guidelines*, Ed. By R. Wenning, C. Ingersoll and G. Batley, SETAC Press
31. Danny D. Reible; Richard H. Jensen; Samuel J. Bentley; Mimi B. Dannel; Joseph V. DePinto; James A. Dyer; Kevin J. Farley; Marcelo H. Garcia; David Glaser; John M. Hamrick; Wilbert J. Lick; Robert A. Pastorok; Richard F. Schwer; C. Kirk Ziegler (2004) The Role of Modeling in Managing Contaminated Sediments in *Environmental Modeling and Management: Theory, Practice, and Future Directions*, p. 63-110 (2002). Reprinted as *Contaminated Ground Water and Sediment*, Lewis Publishers
32. Crannell, B.S., Eighmy, T.T., Butler, L.G., Cartledge, F.K., Emery, E., Willson, C., Reible, D.D. and Yin, M., 2003. Reactive barriers for containment of metals-contaminated dredged materials: Diffusion studies. *Beneficial Use of Recycled Materials in Transportation Applications*. Air and Waste Management Association, Sewickley, PA, pp.377-388.
33. L.J. Thibodeaux, D.D. Reible and K.T. Valsaraj (2002) Non-particle Resuspension Chemical Transport from Stream Beds,” Chapter 7 in *Chemicals in the Environment: Fate, Impacts and Remediation*, Ed. R. Lipnick, R. Mason, M. Phillips and C. Pittman, ACS Symposium Series 806
34. Corbisier, P. L. Diels, T.H. Illangasekare, D.D. Reible, M. Reinhard, J. Vangronsveld (2002) Mobility and Availability of Contaminants, in Reible, D., K. Demnerova, Ed. *In-Situ Assessment and Remediation of Contaminated Sites*, Nato Science Series in Environmental Sciences, Kluwer, Netherlands
35. Illangasekare, T.H. and D.D. Reible (2000) Pump and Treat for Remediation and Plume Containment: Applications, Limitations and Relevant Processes, Chapter 3 In *Groundwater Contaminated by Organic Pollutants*, J.J. Kaluarachchi, Ed., ASCE Manuals and Reports on Engineering Practice No. 100
36. Reible, D.D. and L. J. Thibodeaux (1999) Contaminated Sediment Management Technical Papers. Appendix C- Using Natural Processes to Define Exposure from Sediments. Sediment Management Work Group, Detroit, MI.
37. Reible, D.D., R. Chaney, J. Hughes (1999) Bioavailability, in *Environmental Availability in Soils*, W.C. Anderson, R. C. Loehr, B. P. Smith, Ed., American Academy of Environmental Engineers, Annapolis, Md.
38. Thoma, G.J., D.D. Reible, K.T. Valsaraj, L.J. Thibodeaux and D. Timberlake (1996) Capping of Contaminated Sediments: Experimental Results and Validation of Mathematical Models, in *Emerging Technologies in Hazardous Waste Management VI*, D. W. Tedder and F. G. Pohland, Eds., American Academy of Environmental Engineers
39. Reible, D.D. (1995) Chemodynamics, *Encyclopedia of Energy Technology & Environment*, 573-587
40. Valsaraj, K.T., L.J. Thibodeaux and D.D. Reible (1995) Modeling Air Emissions from Contaminated Sediment Dredged Materials, in *Dredging, Remediation, and Containment of Contaminated Sediments, ASTM STP 1293*, K.R. Demars, G.N. Richardson, R.N. Young, and R.C. Chaney, Eds., American Society for Testing and Materials, Philadelphia, pp. 227-238
41. Clarke, J., D.D. Reible, R. Mutch (1993) Contaminant transport and behavior in the subsurface, In *Hazardous Waste Soil Remediation: Theory and Application of Innovative Technologies*, D. Wilson & A. Clarke, Ed., Marcel-Dekker, 1-49

42. Doshi, D. V., & Reible, D. D. (1992). Application of the Boundary Element Method to Moving Boundary Problems Arising During Non-Aqueous Phase Liquid (NAPL) Migration in Soils. In *Boundary Elements in Fluid Dynamics* (pp. 209-218). Springer Netherlands. (reprinted 2012)
43. Reible, D.D., K.T. Valsaraj and L.J. Thibodeaux (1991) Chemodynamic Models for Transport of Contaminants from Sediment Beds, in *Handbook of Environmental Chemistry*, O.Hutzinger, Ed., Springer-Verlag, Heidelberg 187-228
44. Rhee, S.W., D.D. Reible and W.D. Constant (1991) Simulation of the Effects of Shale Heterogeneities on Effective Permeability in Deep Well Injection Systems, in *Advances in Filtration and Separation Technology*, V. 3, pp. 215-233, Gulf Publishing Co., Houston, TX
45. Thoma, G.J., A.C. Koulermos, K.T. Valsaraj, D.D. Reible and L.J. Thibodeaux (1991) The Effects of Pore Water Colloids on the Transport of Hydrophobic Organic Compounds from Bed Sediments, Chapter 13 in *Organic Substances in Soils and Sediments*, R.A. Baker, ed., Lewis Publishers 231-250
46. Reible, D.D. and T.H. Illangasekare (1989) Subsurface Processes of Non-Aqueous Phase Liquids, in *Intermedia Pollutant Transport: Modeling and Field Measurements*, D.Allen, Y. Cohen and I. Kaplan, Ed., Plenum Press 237-254
47. Savant, S.A., D.D. Reible, G.S. Gipson, J.D. Boyle and L.J. Thibodeaux (1987) An Investigation of the Significance of Convective Transport in River Sediments, in *Health and Environmental Research on Complex Organic Mixtures*, Gray, R., E. Chess, P. Mellinger, R. Riley and D. Springer, eds. DOE Symposium Series, Vol. 62
48. Thibodeaux, L.J., D.D. Reible and C.S. Fang (1986) Transport of Chemical Contaminants in the Marine Environment Originating from Off-shore Drilling Bottom Deposits - A Vignette Model, in *Pollutants in a Multimedia Environment*, Yoram Cohen, Ed., Plenum Press
49. Gipson, G.S. and D.D. Reible (1986) A Hybrid Boundary Element- Perturbation Technique for Forced Oscillations of Membrane Structures, in *Recent Applications in Computational Mathematics*, D.L. Karabalis, ed., ASCE, New York
50. Reible, D.D., P.Yonts and F.H. Shair (1986) The Effect of the Return of Exhausted Building Air on Indoor Air Quality", in *Indoor Air Quality in Cold Climates: Hazards and Abatement Measures*, D.S. Walkinshaw and J. A. Frazier, ed.

Refereed Journal Publications

1. Gomez-Avila, C. , Balaji Rao, Tariq Hussain, Huayun Zhou, Robert Pitt, Molly Colvin, Nick Hayman, Mathew DeMyers, Danny Reible (2025), Particle size-based evaluation of stormwater control measures in reducing solids, polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs), *Water Research* 277, 123299
2. Parkerton, T.F., Redman, A.D., Letinski, D.J. Rakowska, M. and Reible, D.D. (2025) Integrating Ex-Situ Biomimetic Extraction Analyses into Contaminated Sediment Assessment and Management Decisions, *Integrated Environmental Assessment and Management*, Volume 21, Issue 1, January 2025, Pages 195–207, <https://doi.org/10.1093/inteam/vjae008>
3. Alborzi, A., ZD, M. H., Garza-Rubalcava, U., Hussain, T., Islam, M. R., Howe, J. D., & Reible, D. (2024). Developing a consistent model for predicting equilibration in polymeric passive samplers across various HOC classes in sediment pore water. *Chemosphere*, 368, 143781.
4. Chen, Z.L., He, G., Huang, L., Shen, X., Reible, D. and Fang, H (2024) Analytical model of contaminant

- advection, diffusion and degradation in capped sediments and sensitivity to flow and sediment properties. *Journal of Hydrology*, 640, p.131685.
5. Wang, K., Huang, L., He, G., Liu, Y., Xu, S., He, D., Bai, S., Reible, D. and Fang, H. (2024). Crucial Role of Tributary Bays in the Carbon Burial of Three Gorges Reservoir. *ACS ES&T Water*, 4(4), pp.1315-1324.
 6. Abaie, Elham, Manish Kumar, Naveen Kumar, Yilang Sun, Jennifer Guelfo, Yuexiao Shen, and Danny Reible (2024). "Application of β -Cyclodextrin Adsorbents in the Removal of Mixed Per-and Polyfluoroalkyl Substances." *Toxics* 12, no. 4: 264.
 7. Abaie, Elham, Manish Kumar, Uriel Garza-Rubalcava, Balaji Rao, Yilang Sun, Yuexiao Shen, and Danny Reible. (2024)"Chlorinated volatile organic compounds (CVOCs) and 1, 4-dioxane kinetics and equilibrium adsorption studies on selective macrocyclic adsorbents." *Environmental Advances* 16: 100520.
 8. Hussain, T., Athanasiou, D., Rao, B., Bejar, M., Rakowska, M., Drygiannaki, I., ... & Reible, D. D. (2024). Sediment recontamination potential and biological impacts of hydrophobic organics from stormwater in a mixed-use watershed. *Science of The Total Environment*, 906, 167444.
 9. Li, X., Huang, L., Reible, D., Zeng, X., Liu, S., Fu, J., ... & Fang, H. (2023). Inhibition of sediment erosion and phosphorus release by remediation strategy of contaminated sediment backfilling. *Water Research*, 239, 120055.
 10. Shen, X., Hussain, T., Mitchek, M., Wong, J., & Reible, D. (2023). Evaluating the Sorption Kinetics of Polychlorinated Biphenyls in Powdered and Granular Activated Carbon. *Water Research*, 236, 119978.
 11. Garza-Rubalcava, U., Smith, A. V., Thomas, C., Mills, M. A., Jackson, W. A., & Reible, D. D. (2023). Long-term monitoring and modeling of PAHs in capped sediments at the Grand Calumet River. *Environmental Pollution*, 328, 121633.
 12. Ziaei, H., Rao, B., Wood, T.V., Garza-Rubalcava, U., Alborzi, A., Zhou, H., Bireta, P., Grosso, N. and Reible, D. (2023) Assessment and Management of Mercury Leaching from a Riverbank. *Toxics*, 11(2), p.179.
 13. Pagnozzi, G., Reible, D., & Millerick, K. (2023). Shifting biogeochemical conditions and capping media impact composition and behavior of PAH-enriched microbial communities. *Journal of Soils and Sediments*, 1-13.
 14. Rao, B., Reible, D., Athanasiou, D., Lou, H. H., Zhao, R., Fang, J., ... & Pagnozzi, G. (2023). Environmental Impacts of Hurricane Harvey on the Neches-Brakes Bayou River System in Beaumont, Texas. *Environmental Management*, 71(4), 730-740.
 15. Chaudhary, Dhiraj Kumar, Mark Xavier Bailon, Hwansuk Kim, Danny Reible, and Yongseok Hong. "Evaluation of sediment capping effectiveness in Hyeongsan River for in-situ management of total mercury and methylmercury contamination." *Journal of Soils and Sediments* 22, no. 9 (2022): 2578-2591.
 16. Zhang J, Xu M, Sun L, Reible D, Fu X. Impact of golden mussel (*Limnoperna fortunei*) colonization on bacterial communities and potential risk to water quality. *Ecological Indicators*. 2022 Nov 1;144:109499.
 17. Chaudhary DK, Kim H, Reible D, Lee M, Kim S, Kim LH, Kim S, Hong Y. Seasonal trends of mercury bioaccumulation and assessment of toxic effects in Asian clams and microbial community from field study of estuarine sediment. *Environmental Research*. 2022 Sep 1;212:113439.
 18. Lotufo GR, Michalsen MM, Reible DD, Gschwend PM, Ghosh U, Kennedy AJ, Kerns KM, Rakowska MI, Odetayo A, MacFarlane JK, Yan S. Interlaboratory study of polyethylene and polydimethylsiloxane polymeric samplers for ex situ measurement of freely dissolved hydrophobic organic compounds in sediment porewater. *Environmental Toxicology and Chemistry*. 2022 Aug;41(8):1885-902..

19. Smith, A. V., Garza-Rubalcava, U., Shen, X., & Reible, D. (2022). Partial loading of performance reference compounds in passive samplers and its effect on the fractional approach to steady state. *Journal of Environmental Chemical Engineering*, 108044.
20. Alborzi, A., Hsieh, I. M., Reible, D., & Malmali, M. (2022). Analysis of fouling mechanism in ultrafiltration of produced water. *Journal of Water Process Engineering*, 49, 102978.
21. Huang, L., Gao, Q., Fang, H., He, G., Reible, D., Wang, D., & Wu, X. (2022). Effects of bedform migration on nutrient fluxes at the sediment–water interface: a theoretical analysis. *Environmental Fluid Mechanics*, 22(2), 447-466.
22. McDermott, K.S., Guelfo, J., Anderson, T.A., Reible, D. and Jackson, A.W., 2022. The development of diffusive equilibrium, high-resolution passive samplers to measure perfluoroalkyl substances (PFAS) in groundwater. *Chemosphere*, 303, p.134686.
23. Liu, Y., Reible, D., & Hussain, F. (2022). Roles of tidal cycling, hyporheic exchange and bioirrigation on metal release from estuary sediments. *Water Resources Research*, 58(4), e2021WR030790.
24. Smith, A. V., Shen, X., Garza-Rubalcava, U., Gardiner, W., & Reible, D. (2022). In Situ Passive Sampling to Monitor Long Term Cap Effectiveness at a Tidally Influenced Shoreline. *Toxics*, 10(3), 106.
25. Chen, T., Honarparvar, S., Reible, D. and Chen, C.C. (2022) Thermodynamic modeling of calcium carbonate scale precipitation: aqueous Na^+ - Ca^{2+} - Cl^- - HCO_3^- - CO_3^{2-} - CO_2 system. *Fluid Phase Equilibria*, 552, p.113263.
26. Xu, J., Bland, G.D., Gu, Y., Ziaei, H., Xiao, X., Deonaraine, A., Reible, D., Bireta, P., Hoelen, T.P. and Lowry, G.V. (2021) Impacts of Sediment Particle Grain Size and Mercury Speciation on Mercury Bioavailability Potential. *Environmental Science & Technology*, 55(18), pp.12393-12402.
27. Kim, J. H., Nguyen, N. T., Campbell, R. C., Yoo, S., Taraban, R., & Reible, D. D. (2021). Developing reflective engineers through an arts-incorporated graduate course: A curriculum inquiry. *Thinking Skills and Creativity*, 42, 100909.
28. Li, X., Huang, L., Fang, H., Chen, M., Cui, Z., Sun, Z., & Reible, D. (2021). Phosphorus adsorption by sediment considering mineral composition and environmental factors. *Environmental Science and Pollution Research*, 1-11.
29. Fang, J., R. Z. Zhao, B. Rao, M. Rakowska, D. Athanasiou, K. Millerick, S. Y. Wei, X. Y. Lei, H. H. Lou and D. D. Reible (2021) “Removal of Polycyclic Aromatic Hydrocarbons from Water Using Mn(III)-Based Advanced Oxidation Process,” *J. Environ. Eng.*, 147(3), 04021002.
30. Pagnozzi, G., Carroll, S., Reible, D. D., & Millerick, K. (2021). Powdered activated carbon (PAC) amendment enhances naphthalene biodegradation under strictly sulfate-reducing conditions. *Environmental Pollution*, 268, 115641.
31. Zhang, X., & Reible, D. (2021). Theoretical Analysis of Constant Voltage Mode Membrane Capacitive Deionization for Water Softening. *Membranes*, 11(4), 231.
32. Odetayo, A. A., Reible, D. D., Acevedo-Mackey, D., Price, C., & Thai, L. (2021). Application of polyoxymethylene passive air sampler to monitor hydrophobic organics in air around a confined disposal facility. *Chemosphere*, 263, 127827.
33. Honarparvar, S., Zhang, X., Chen, T., Alborzi, A., Afroz, K., & Reible, D. (2021). Frontiers of Membrane Desalination Processes for Brackish Water Treatment: A Review. *Membranes*, 11(4), 246.

34. Pagnozzi, G., Reible, D. D., & Millerick, K. (2021). The effects of adsorptive materials on microbial community composition and PAH degradation at the sediment cap–water interface. *International Journal of Sediment Research*, 36(4), 555-565.
35. Huang, L., Gao, Q., Fang, H., He, G., Reible, D., Wang, D., & Wu, X. (2021). Effects of bedform migration on nutrient fluxes at the sediment–water interface: a theoretical analysis. *Environmental Fluid Mechanics*, 1-20.
36. Yan, S., Rakowska, M., Shen, X., Himmer, T., Irvine, C., Zajac-Fay, R., ... & Reible, D. D. (2020). Bioavailability assessment in activated carbon treated coastal sediment with in situ and ex situ porewater measurements. *Water Research*, 185, 116259.
37. Bland, G. D., Rao, B., & Reible, D. (2020). Evaluating the transport of Hg (II) in the presence of natural organic matter through a diffusive gradient in a thin-film passive sampler. *Science of The Total Environment*, 141217.
38. Zhang, X., & Reible, D. (2020). Exploring the Function of Ion-Exchange Membrane in Membrane Capacitive Deionization via a Fully Coupled Two-Dimensional Process Model. *Processes*, 8(10), 1312.
39. Pagnozzi, G., Carroll, S., Reible, D. D., & Millerick, K. (2020). Biological Natural Attenuation and Contaminant Oxidation in Sediment Caps: Recent Advances and Future Opportunities. *Current Pollution Reports*, 1-14.
40. Drygiannaki, I., Bejar, M., Reible, D. D., Dawson, J. A., Rao, B., Hayman, N. T., ... & Colvin, M. A. (2020). Assessing Biota Accumulation Due to Contamination of Sediments by Storm Water Heavy Metals. *Environmental Toxicology and Chemistry*, 39(12), 2475-2484.
41. Bailon, M. X., Park, M., Choi, Y. G., Reible, D., & Hong, Y. (2020). The application of DGTs for assessing the effectiveness of in situ management of Hg and heavy metal contaminated sediment. *Membrane Water Treatment*, 11(1), 11-23.
42. Hayman, N. T., Rosen, G., Colvin, M. A., Chadwick, B. D., Rao, B., Athanasiou, D., ... & Reible, D. D. (2020). Seasonal Toxicity Observed with Amphipods (*Eohaustorius estuarius*) at Paleta Creek, San Diego Bay, USA. *Environmental Toxicology and Chemistry*, 39(1), 229-239.
43. Drygiannaki, I., Rao, B., Dawson, J. A., Rakowska, M., Reible, D. D., Hayman, N. T., ... & Otto, M. (2020). Assessing sediment recontamination from metals in stormwater. *Science of The Total Environment*, 139726.
44. Odetayo, A. A., Reible, D. D., Acevedo-Mackey, D., Price, C., & Thaie, L. (2020). Development of polyoxymethylene passive sampler for assessing air concentrations of PCBs at a confined disposal facility (CDF). *Environmental Pollution*, 114720.
45. Bryant, W.L., Camilli, R., Fisher, G.B., Overton, E.B., Reddy, C.M., Reible, D., Swarthout, R.F. and Valentine, D.L.(2020) Harnessing a decade of data to inform future decisions: Insights into the ongoing hydrocarbon release at Taylor Energy's Mississippi Canyon Block 20 (MC20) site. *Marine Pollution Bulletin*, 155, p.111056.
46. Honarparvar, S. and Reible, D. (2020). Modeling Multicomponent Ion Transport to Investigate Selective Ion Removal in Electrodialysis. *Environmental Science and Ecotechnology*, 100007.
47. Jonker, M.T., Burgess, R.M., Ghosh, U., Gschwend, P.M., Hale, S.E., Lohmann, R., Lydy, M.J., Maruya, K.A., Reible, D. and Smedes, F. (2020) Ex situ determination of freely dissolved concentrations of hydrophobic organic chemicals in sediments and soils: basis for interpreting toxicity and assessing bioavailability, risks and remediation necessity. *Nature Protocols*, 15(5), pp.1800-1828.
48. Honarparvar, S., Zhang, X., Chen, T., Na, C., & Reible, D. (2019). Modeling technologies for desalination of

- brackish water—toward a sustainable water supply. *Current Opinion in Chemical Engineering*, 26, 104-111.
49. Li, X., Huang, L., Fang, H., He, G., Reible, D., & Wang, C. (2019). Immobilization of phosphorus in sediments by nano zero-valent iron (nZVI) from the view of mineral composition. *Science of the Total Environment*, 694, 133695.
 50. Liu, Y., Reible, D., Hussain, F., Fang, H. (2019). Role of bioroughness, bioirrigation and turbulence on oxygen dynamics at the Sediment-Water Interface. *Water Resources Research*, 55(10), 8061-8075.
 51. He, G. J., Han, X., Fang, H. W., Reible, D., & Huang, L. (2019). Effects of roughness Reynolds number on scalar transfer mechanisms at the sediment-water interface. *Water Resources Research*, 55. <https://doi.org/10.1029/2018WR024493>
 52. Shen, X., & Reible, D. (2019). An analytical model for the fate and transport of performance reference compounds and target compounds around cylindrical passive samplers. *Chemosphere*, 232, 489-495.
 53. Oleszczuk, P., Rakowska, M., Bucheli, T. D., Godlewska, P., & Reible, D. D. (2019). Combined Effects of Plant Cultivation and Sorbing Carbon Amendments on Freely Dissolved PAHs in Contaminated Soil. *Environmental science & technology*, 53(9), 4860-4868.
 54. Schneider, H., Jackson, A., Rainwater, K., Reible, D., Morse, S., Hatzinger, P., Garcia-Rubalcava, U. (2019) Estimation of Interstitial Velocity Using a Direct Drive High Resolution Passive Profiler, *Groundwater*, DOI:10.1111/gwat.12874
 55. Fang, H., Ni, K., Wu, J., Li, J., Huang, L., & Reible, D. (2019). The effects of hydrogen bonding on the shear viscosity of liquid water. *International journal of sediment research*, 34(1), 8-13
 56. Shen, X., Lampert, D., Ogle, S., & Reible, D. (2018). A software tool for simulating contaminant transport and remedial effectiveness in sediment environments. *Environmental Modelling & Software*, 109, 104-113.
 57. Lai, H., Fang, H., Huang, L., He, G., & Reible, D. (2018). A review on sediment bioflocculation: dynamics, influencing factors and modeling. *Science of The Total Environment*, 642, 1184-1200.
 58. Honarparvar, S., Saravi, S. H., Reible, D., & Chen, C. C. (2018) Comprehensive Thermodynamic Modeling of Saline Water with Electrolyte NRTL Model: A Study of Aqueous Sr^{2+} - Na^{+} - Cl^{-} - SO_4^{2-} Quaternary System, *Fluid Phase Equilibria*, 470, 221-231
 59. M. T. O. Jonker, S. A. van der Heijden, D. Adelman, J. N. Apell, R. M. Burgess, Y. Choi, et al. including Reible, D., (2018) "Advancing the Use of Passive Sampling in Risk Assessment and Management of Sediments Contaminated with Hydrophobic Organic Chemicals: Results of an International Ex Situ Passive Sampling Interlaboratory Comparison," *Environmental Science & Technology*, vol. 52, pp. 3574-3582, 2018/03/20
 60. Han, X., Fang, H., He, G., & Reible, D. (2018). Effects of roughness and permeability on solute transfer at the sediment water interface. *Water Research*, 129, 39-50.
 61. Uddameri, V., & Reible, D. (2018) Food-energy-water nexus to mitigate sustainability challenges in a groundwater reliant agriculturally dominant environment (GRADE). *Environmental Progress & Sustainable Energy*.
 62. Cui, Z., Fang, H., Huang, L., Ni, K., & Reible, D. (2017). Effect of surface heterogeneity on phosphorus adsorption onto mineral particles: experiments and modeling. *Journal of Soils and Sediments*, 1-12.
 63. Honarparvar, S., Saravi, S. H., Reible, D., & Chen, C. C. (2017). Comprehensive thermodynamic modeling of saline water with electrolyte NRTL model: A study on aqueous Ba^{2+} - Na^{+} - Cl^{-} - SO_4^{2-} quaternary system. *Fluid Phase Equilibria*. 447, 29-38.

64. Vlassopoulos, D., Russell, K., Larosa, P., Brown, R., Mohan, R., Glaza, E., Drachenberg, T., Reible, D., Hague, W., Mcauliffe, J. And Miller, S. (2017) Evaluation, Design, and Construction of Amended Reactive Caps to Restore Onondaga Lake, Syracuse, New York, USA. *Journal of Marine Environmental Engineering*, 10(1).
65. 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.
66. 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.
67. 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
68. 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
69. 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.
70. 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.
71. Yan, Fei, and Danny Reible. (2015) "Electro-bioremediation of contaminated sediment by electrode enhanced capping." *Journal of environmental management* 155: 154-161.
72. Thomas, Courtney L., and Danny D. Reible (2015) "Modeling Compound Loss from Polydimethylsiloxane Passive Samplers." *Separations* 2.4 611-624.
73. Yan, Fei, Wu Chen, and Danny Reible. (2015) "Electrochemical Stimulation of PAH Biodegradation in Sediment." *Soil and Sediment Contamination: An International Journal* 24.2 143-156.
74. Brundrett, M., Horita, J., Anderson, T., Pardue, J., Reible, D., & Jackson, W. A. (2015). The use of chlorate, nitrate, and perchlorate to promote crude oil mineralization in salt marsh sediments. *Environmental Science and Pollution Research*, 1-9.
75. 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.
76. 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.
77. Yan, F., & Reible, D. (2015). Electro-bioremediation of contaminated sediment by electrode enhanced capping. *Journal of environmental management*, 155, 154-161.
78. Lampert, D. J., Thomas, C., & Reible, D. D. (2015). Internal and external transport significance for predicting contaminant uptake rates in passive samplers. *Chemosphere*, 119, 910-916.
79. Uddameri, V., A. Morse, D. Reible (2015) “Unconventional Oil and Natural Gas Resources Development

- and Their Potential Environmental Impacts”, *Environmental Management*, July, 18-25.
80. Erten, M. B., C. S. El Mohtar, D. D. Reible, and R. B. Gilbert (2014). "Consolidation Properties of NAPL Contaminated Sediments." *Bridges* 10 9780784412121-422.
 81. Thomas, C., Lampert, D. J., & Reible, D. Janssen, E. and R.G. Luthy (2014). Remedy Performance Monitoring at Contaminated Sediment Sites Using Profiling Solid Phase Microextraction (SPME) Polydimethylsiloxane (PDMS) Fibers. *Environmental Science: Processes & Impacts*. 16(3), 445-452.
 82. Stringer, R. D., Burken, J. G., Elmore, A. C., & Reible, D. D. (2014). Using in situ solid phase microextraction (SPME) for depth profiling in sediments treated with activated carbon. *Journal of Soils and Sediments*, 14(5), 1013-1020
 83. Ghosh, U., Kane Driscoll, S., Burgess, R.M., Jonker, M.T., Reible, D., Gobas, F., Choi, Y., Apitz, S.E., Maruya, K.A., Gala, W.R. and Mortimer, M. (2014) Passive sampling methods for contaminated sediments: practical guidance for selection, calibration, and implementation. *Integrated environmental assessment and management*, 10(2), pp.210-223.
 84. Peijnenburg, W. J., Teasdale, P. R., Reible, D., Mondon, J., Bennett, W. W., & Campbell, P. G. (2014). Passive sampling methods for contaminated sediments: State of the science for metals. *Integrated environmental assessment and management*, 10(2), 179-196.
 85. Mauter, M.S., Alvarez, P.J., Burton, A., Cafaro, D.C., Chen, W., Gregory, K.B., Jiang, G., Li, Q., Pittock, J., Reible, D. and Schnoor, J.L., (2014) Regional variation in water-related impacts of shale gas development and implications for emerging international plays. *Environmental science & technology*, 48(15), pp.8298-8306.
 86. Hong, Yongseok, and Danny D. Reible. "Modeling the Effect of pH and Salinity on Biogeochemical Reactions and Metal Behavior in Sediment." *Water, Air, & Soil Pollution* 225.1 (2014): 1-20.
 87. Zhang, R., Xiaoxia, L. U., Reible, D. D., Gangzhen, J. I. A. O., & Songyan, Q. I. N. (2013). Cathodic hydrogen as electron donor in enhanced reductive dechlorination. *Chinese Journal of Chemical Engineering*, 21(12), 1386-1390.
 88. Virkutyte, J., Al-Abed, S., Barth, E., Reible, D., Dunlap, P. Chattopadhyay, S. (2013) Catalytic Sorption of (Chloro)Benzene and Naphthalene in Aqueous Solutions by Granular Activated Carbon Supported Bimetallic Iron and Palladium Nanoparticles, *ISRN Nanotechnology*.
 89. Martinez, A., O'Sullivan, C., Reible, D., & Hornbuckle, K. C. (2013). Sediment pore water distribution coefficients of PCB congeners in enriched black carbon sediment. *Environmental Pollution*, 182, 357-363.
 90. Lampert, D., X. Lu, D. Reible (2013) Long-term PAH monitoring results from the Anacostia River active capping demonstration using polydimethylsiloxane (PDMS) fibers, *Environmental Science: Processes and Impacts*, 15, 554-562.
 91. Smith, A., M.J. Kirisits, D.D. Reible (2012) Assessment of Potential Anaerobic Biotransformation of Organic Pollutants in Sediment Caps, *New Biotechnology*, Volume 30, Issue 1, 80–87, 15 November.
 92. Yan, F., D. Reible (2012) PAH Degradation and redox control in an electrode enhanced sediment cap, 87, 9, 1222-1228, *Journal of Chemical Technology and Biotechnology*, September.
 93. Sun, M., D. Reible, G.V. Lowry and K.B. (2012) Gregory Effect of Applied Voltage, Initial Concentration, and Natural Organic Matter on Sequential Reduction/Oxidation of Nitrobenzene by Graphite Electrodes, *Environ Sci Technol*. 46,11, 6174-6181
 94. Erten, M., Reible, D., Gilbert, R., & El Mohtar, C. (2012) The Performance of Organophilic Clay on

- Nonaqueous Phase Liquid Contaminated Sediments under Anisotropic Consolidation. In *Contaminated Sediments: 5th Volume, Restoration of Aquatic Environment*. ASTM International.
95. Yang, W., D Lampert, N Zhao, D Reible, W Chen (2012) Link between black carbon and resistant desorption of PAHs on soil and sediment, *Journal of Soils and Sediments*: 12, 5 713-723
 96. Rosen, G, D.B. Chadwick, G.A. Burton, W.K. Taulbee, M.S. Greenberg, G.R. Lotufo and D.D. Reible (2011) A sediment ecotoxicity platform for in situ measures of chemistry bioaccumulation and toxicity. Part 1. System description and proof of concept, *Environmental Pollution*, (Nov)
 97. Rosen, G, D.B. Chadwick, G.A. Burton, W.K. Taulbee, M.S. Greenberg, G.R. Lotufo and D.D. Reible (2011) A sediment ecotoxicity platform for in situ measures of chemistry bioaccumulation and toxicity. Part 2. Integrated application to a shallow estuary, *Environmental Pollution*, (Nov)
 98. Erten, M.B., R. Gilbert, C.S. El Mohtar, D.D. Reible (2011) Development of a laboratory procedure to evaluate the consolidation potential of soft contaminated sediments, *Geotechnical Testing Journal*, Volume 34, Issue 5, September
 99. Lampert, D.J., W.V. Sarchet, D.D. Reible (2011) Assessing the Effectiveness of Thin-Layer Sand Caps for Contaminated Sediment Management through Passive Sampling, *Environ. Sci Technol*, 45 (19), pp 8437–8443
 100. Hong, YS., K. A. Kinney, D.D. Reible (2011) Effects of cyclic changes in pH and salinity on metals release from sediments, *Environ. Toxicology and Chemistry*, Volume 30, Issue 8, Pages: 1775–1784
 101. Gschwend, P.M, J. K. MacFarlane, D.D. Reible, X. Lu, S.B. Hawthorne, D. V. Nakles, and T. Thompson (2011) Comparison of PDMS-, POM- and LDPE-based polymeric samplers for accurately assessing PCBs in sediment pore waters , *Environ. Toxicology and Chemistry*, 30, Issue 6, June 2011, Pages: 1288–1296
 102. Lu, X., B. Drake, A. Skwarski, D. Reible (2011) Predicting bioavailability of PAHs and PCBs with pore water concentrations measured by disposable solid-phase micro-extraction fibers, *Environ. Toxicology and Chemistry*, 30, Issue 5, May 2011, Pages: 1109–1116.
 103. Hong, YS, K. Kinney, D. Reible (2011) Acid Volatile Sulfides Oxidation and Metals (Mn, Zn) Release upon Sediment Resuspension: Laboratory Experiment and Model Development, *Environ. Toxicology and Chemistry* 30, Issue 3, March 2011, Pages: 564–575
 104. Sun, M., F. Yan, R. Zhang, D. D. Reible, G.V. Lowry, K.B. Gregory (2010) Redox Control and Hydrogen Production in Sediment Caps Using Carbon Cloth Electrodes, *Environ Sci and Technol*. 44 (21), 8209–8215
 105. Johnson, N., D.D. Reible, L. Katz (2010) Biogeochemical changes and mercury methylation beneath an in-situ sediment cap, *Environ. Sci. Technol.*, 44 (19), 7280–7286
 106. Ma, X., D.D. Reible, M. Harris (2010) Assessing the feasibility of in-situ capping and contaminant mobility in NAPL-contaminated sediments, *International Journal of Geotechnical Engineering*, 4, 71-78
 107. Yuan, Q., K.T. Valsaraj, D.D. Reible (2009) A Model for Contaminant and Sediment Transport via Gas Ebullition through a Sediment Cap, *Environmental Engineering Science* , 26, 9 1381-1391
 108. Lampert, D.J., D. D. Reible (2009) An Analytical Modeling Approach for Evaluation of Capping of Contaminated Sediments, *Soil and Sediment Contamination: An International Journal*, 18, 4, 470-488
 109. Go, J., D.J. Lampert, J.A. Stegman, D.D. Reible (2009) Predicting contaminant fate and transport in sediment caps: Mathematical modeling approaches, *Journal of Applied Geochemistry*, 24, 7, 1347-1353

110. Barth, E., D. Reible and A. Bullard (2008) Evaluation of the physical stability, groundwater seepage control, and faunal changes associated with an AquaBlok® sediment cap, *Remediation: The Journal of Environmental Cleanup Costs, Technologies and Techniques*, 18, 4, Fall (p 63-70)
111. Knox, A.S., M.H. Paller, D.D. Reible, X.Ma, I.G. Petrisor (2008) Sequestering Agents for Active Caps- Remediation of Metals and Organics, *Soil and Sediment Contamination*, 17 (5) 516-532
112. Gustavson, K.E., G.A. Burton, N.R. Francinques, D.D. Reible, D.J. Vorhees, J.R. Wolfe (2008) Evaluating the effectiveness of contaminated sediment dredging”, *Environmental Science and Technology*, 42, 14, 5042-5047
113. Liu, J., D. Reible, KT Valsaraj, R. Delaune, I Devai (2008) Observations of mercury fate and transport beneath a sediment cap, *Land Contamination and Reclamation*
114. Reible, D.D. (2007) Hurricane Katrina: Environmental Hazards in the Disaster Area, *Cityscape*, Nov.
115. Yuan, Q., KT Valsaraj, DD. Reible and CS Willson (2007) A laboratory study of sediment and contaminant release during gas ebullition, *Journal of the Air and Waste Management Association*, 59, 9
116. Chai, Y., A. Kochetkov, D.D. Reible (2007) The Use of Coarse, Separable, Condensed-Phase Organic Carbon Particles to Characterize Desorption Resistance of Polycyclic Aromatic Hydrocarbons in Contaminated Sediments, *Environmental Toxicology and Chemistry*, 26 , 7 1380-1385
117. McDonough, K.M., P. Murphy, J. Olsta, Y. Zhu, D. Reible, G. Lowry (2007) Development and Placement of a Sorbent-amended Thin Layer Sediment Cap in the Anacostia River, *Journal of Soil and Sediment Remediation* 16:3, 313-322
118. Reible, D.D., D. Lampert, W. D. Constant, R.D. Mutch, and Y. Zhu (2006) Active Capping Demonstration in the Anacostia River, Washington, DC, *Remediation: The Journal of Environmental Cleanup Costs, Technologies and Techniques*, 17, 1, Winter
119. Chai, Y. A. Kochetkov and D.D. Reible (2006) Modeling Biphasic Sorption And Desorption Of Hydrophobic Organic Contaminants In Sediments, *Environmental Toxicology and Chemistry*, 25, 12, 3133-3140
120. Chai, Y. A. Kochetkov and D.D. Reible, Sorption Kinetics of Hydrophobic Organic Compounds to Natural Sediments and Soils, *Environmental Toxicology and Chemistry*, 25, 11, 2827-2833 (2006)
121. Lu, X., D.D. Reible, J.W. Fleegeer (2006) Bioavailability of Polycyclic Aromatic Hydrocarbons in Field-Contaminated Anacostia River (Washington, DC) Sediment, *Environmental Toxicology and Chemistry*, 25,11, 2869-2874
122. Murphy, P. A. Marquette, D. Reible, and G. V. Lowry (2006) Predicting the Performance of Activated Carbon-, Coke-, and Soil-Amended Thin Layer Sediment Caps, *Journal of Environmental Engineering*, 132,7
123. Gomez-Hermosilla, C., J. H. Pardue, D.D. Reible (2006) Wetland plant uptake of desorption resistant contaminants from sediments, *Environmental Science and Technology* 40, 3229-3236
124. Priklonsky, V.I., D. D. Reible and J.M. Tyler (2005) Consistent unconfined contaminated disposal facilities dike tidal flow and transport model, *Environmental Modeling and Software*, 20,9 1071-1079.
125. Apitz, A.E, J. W. Davis, K. Finklestein, D.W. Hohreiter, R. Hoke, R.H. Jensen, J. Jersak, V.J. Kirtay, E.E. Mack, V.S. Magar, D. Moore, D. Reible, R.G. Stahl (2004) “Assessing and Managing Contaminated Sediments: Part I, Developing an Effective Investigation and Risk Evaluation Strategy”, *Integrated Environmental Assessment and Management*, 1, 1 2-9

126. Apitz, A.E, J. W. Davis, K. Finklestein, D.W. Hohreiter, R. Hoke, R.H. Jensen, J. Jersak, V.J. Kirtay, E.E.Mack, V.S. Magar, D.Moore, D. Reible, R.G. Stahl (2004) "Assessing and Managing Contaminated Sediments: Part II, Evaluating Risk and Monitoring Sediment Remedy Effectiveness", *Integrated Environmental Assessment and Management*, 1, 1 e1
127. Lu, X.X., D. D. Reible, J. W. Fleeger (2004) Relative Importance of Ingested Sediment Versus Pore Water Uptake Routes for PAHs to the Deposit-Feeding Oligochaete *Ilyodrilus templetoni*, *Archives of Environmental Contamination and Toxicology*, 47(2) 207-214.
128. Thibodeaux, L.J., H. Huls, R. Ravikrishna, K.T. Valsaraj, M. Costello, D. Reible (2004) Laboratory Simulation of Chemical Evaporation from Dredge-Produced Sediment Slurries *Environmental Engineering Science*, 21, 6, 730-740
129. Lu, X.X., D.D Reible, J.W. Fleeger (2004) Adsorption/desorption and bioavailability of sediment-associated benzo[a]pyrene, *Environmental Toxicology and Chemistry*, 1, p. 57-64
130. Yan, Le, Karsten E. Thompson, Kalliat T. Valsaraj, and Danny D. Reible (2003) In-Situ Control of DNAPL Density Using Polyaphrons, *Environ. Sci. Technol.*; 37(19) pp 4487 – 4493
131. Reible, D.D., D. Hayes, C. Lue-Hing, J. Patterson, N. Bhowmik, M. Johnson, and J. Teal (2003) Comparison of the Long-Term Risks of Removal and In-Situ Management of Contaminated Sediments in the Fox River, *Journal of Soil and Sediment Contamination*, 12(3) 325-344
132. Lu, X.X., D. Reible, (2003) Linking sediment exposure with effects: modeling techniques, organic availability and uptake, *Int'l Journal of Sediment Research*, 18, 2 208-213
133. Lu, X.X, D. D. Reible, J.W. Fleeger, and Y.Z. Chai (2003) Bioavailability of Desorption –Resistant Phenanthrene to the Oligochaete *Ilyodrilus templetoni*, *Environmental Toxicology and Chemistry*, 22, 153-160
134. Work, P.A., P.R. Moore, and Reible, D.D. (2002) Bioturbation, advection, and diffusion of a conserved tracer in a laboratory flume *Water Resources Research*, v 38, n 6, 241-249
135. Reible, D., Hayes, D., Lue-Hing, C., Johnson, M., Bhowmik, N., Patterson, J., & Teal, J. (2002). Application of the NRC framework for evaluation of remedial actions at a PCB-contaminated sediment site. *Soil and Sediment Contamination*, 11(3), 482-483.
136. Reible, D. And S. Mohanty (2002) A Levy Flight Random Walk Model for Bioturbation, *Environmental Toxicology and Chemistry*, 21, 4 875-881
137. Ravikrishna, R., K.T. Valsaraj, L.J. Thibodeaux, and D.D. Reible (2002) Effects of oil and grease on the vaporization of organic compounds from contaminated sediments, *Environmental Engineering Sciences*, 19, 2, 101-114
138. Sanchez, FF, LJ Thibodeaux, KT Valsaraj and DD Reible (2002) Multimedia Chemical Fate Model for Environmental Dredging. *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management*, Vol. 6, No. 2, p. 120-128. Amer. Soc. Civil Engineers.
139. Choy, B, D.D. Reible and K.T. Valsaraj (2001) Volatile Emissions for variable moisture content sediments. *Environmental Engineering Science* 18 (5): 279-289
140. Thibodeaux, Louis J., Kalliat T. Valsaraj, and Danny D. Reible (2001) Bioturbation-driven transport of hydrophobic organic contaminants from bed sediment, *Environmental engineering science* 18, no. 4 215-223.
141. Millward, R.N., J. W. Fleeger, D.D. Reible, K.A. Keteles, B. P. Cunningham, L. Zhang (2001) Pyrene bioaccumulation, effects of pyrene exposure on particle size selection and fecal pyrene content in the

- oligochaete *Limnodrilus hoffmeisteri* (Tubificidae, Oligochaeta), *Environ. Toxic. Chem.* **20**
142. Ravikrishna, R. K.T. Valsaraj, D.D. Reible, L.J. Thibodeaux, C.B. Price, J.M. Brannon, T.E. Myers, S. Yost (2001) Air emission flux from contaminated dredged materials stored in a pilot-scale confined disposal facility, *J. Air & Waste Manage. Assoc.* **51**: 361-373
 143. Pederson, B.M., L.J. Thibodeaux, K.T. Valsaraj, D.D. Reible (2001) Testing a Multimedia Compartmental Model with Monitoring Data, *Environ. Toxic. And Chem.* **20**,9
 144. de Seze, G., K.T. Valsaraj, D.D. Reible, L.J. Thibodeaux (2000) Sediment-air equilibrium partitioning of semi-volatile hydrophobic organic compounds. Part 1. Method development and water vapor sorption isotherm, *Science of the Total Environment*, **253**, 1-3, 15-26
 145. de Seze, G., K.T. Valsaraj, D.D. Reible, L.J. Thibodeaux (2000) Sediment-air equilibrium partitioning of semi-volatile hydrophobic organic compounds Part 2. Saturated vapor pressures, and the effects of sediment moisture content and temperature on the partitioning of polyaromatic hydrocarbons, *Science of the Total Environment* **253**, 1-3, 27-44
 146. Ravikrishna, R., B.C. Choy, K.T. Valsaraj, D.D. Reible, L.J. Thibodeaux, C.B. Price and J.M. Brannon (2000) The Efficiency of Capping to Control Air Emissions from Exposed Contaminated Sediments and Dredged Material, *Environmental Engineering Science*, **17** (2) 97-106
 147. Peters, G.M., W.A. Maher, F. Krikowa, A.C. Roach, H.K. Jeswani, J.P. Barford, V.G. Gomes, D.D. Reible (1999) "Selenium in sediments, porewaters and benthic infauna of Lake Macquarie, New South Wales, Australia," *Marine Environmental Research*, **47**, 5, 491-508
 148. Valsaraj, K.T., R. Ravikrishna, B. Choy, D.D. Reible, L.J. Thibodeaux, C.B. Price, S. Yost, J.M. Brannon and T.E. Myers (1999) Air Emissions from Exposed Contaminated Sediments and Dredged Material, *Environ. Sci. Technol.*, **33**, 142-149.
 149. Cheah, E.P.S., D.D. Reible, K.T. Valsaraj, W.D. Constant, B. W. Walsh, L.J. Thibodeaux (1998) Simulation of Soil Washing with Surfactants, *Journal of Hazardous Materials*.
 150. Mohanty, S., D.D. Reible, K.T. Valsaraj and L.J. Thibodeaux (1998) A Physical Model for the Simulation of Bioturbation and its Comparison to Experiments with Oligochaetes, *Estuaries* **21**, 2, p.255-262.
 151. Valsaraj, K.T., B. Choy, R. Ravikrishna, L.J. Thibodeaux, D.D. Reible, C.B. Price, J.M. Brannon, and T.E. Myers, (1997) Air Emissions from Exposed Contaminated Sediments and Dredged Materials 1. Experimental Data in Laboratory Microcosms and Mathematical Modeling, *Journal of Hazardous Materials*, **54** 65-87.
 152. Valsaraj, K.T., R. Ravikrishna, J.J. Orlins, J.S. Smith, J.S. Gulliver, D. Reible, L. Thibodeaux (1997) Sediment-to-Air Mass Transfer of Semi-Volatile Contaminants due to Sediment Resuspension in Water, *Advances in Environmental Research*, **1**, 2 145-156
 153. Valsaraj, K.T., L.J. Thibodeaux and D.D. Reible (1997) A Quasi-Steady State Pollutant Flux Methodology for Determining Sediment Quality Criteria", *Environmental Toxicology and Chemistry*
 154. Smith, J.E., D.D. Reible, Y.S. Koo, E.P.S. Cheah (1996) Vacuum Extraction of a Nonaqueous Phase Residual in a Heterogeneous Vadose Zone," *Journal of Hazardous Materials*, **49**, 247-265
 155. Koo, Y.S. and D.D. Reible, "Numerical Modeling of the Effects of a Thermal Fence on Pollutant Dispersion in the Stable Atmospheric Boundary Layer," *Journal of Applied Meteorology*, **35/11**, 2121- 2128 (1996)
 156. Valsaraj, K.T., S. Verma, I. Sojitra, D.D. Reible and L.J. Thibodeaux, "Diffusive Transport of Organic Colloids from Contaminated Sediment Beds," *Journal of Environmental Engineering (ASCE)*, **122**, 722-729 (1996)

157. Qasi, K. D.D. Reible, W.D. Constant, K.T. Valsaraj, L.J. Thibodeaux (1996) Transport Processes of TNT from Flooded Highly Contaminated Surface Soil. *Journal of Environmental Science and Health. Part A. Environmental Science and Engineering and Toxic and Hazardous Substance Control*, 31, 10
158. Sojitra, I., K.T. Valsaraj, D.D. Reible, L.J. Thibodeaux (1996) Transport of Hydrophobic Organics by Colloids through Porous Media, Part 2. Commercial humic acid macromolecules and polyaromatic hydrocarbons", *Colloids and Surfaces A. Physicochemical and Engineering Aspects*, 110, 141-157
159. Reible, D.D., V. Popov, K.T. Valsaraj, L.J. Thibodeaux, F. Lin, M. Dikshit, M.A. Todaro and J.W. Fleeger, (1996) Contaminant Fluxes from Sediment Due to *Tubificid* Oligochaete Bioturbation", *Water Research*, 30, 3, 704
160. Novitsky M.A., Reible D.D. (1995) Mathematical modeling of laboratory experiments on gravity currents research. *Meteorology and Hydrology*, N 4, 97-106.
161. Koo, Y.S. and D.D. Reible (1995) Flow and Transport Modeling in the Sea Breeze, Part II: Flow Model Application and Pollutant Transport, *Boundary Layer Meteorology*, 75, 209-234.
162. Koo, Y.S. and D.D. Reible (1995) Flow and Transport Modeling in the Sea Breeze, Part I: A Modified E-c Model with a Non-Equilibrium Level 2.5 Closure, *Boundary Layer Meteorology*, 75, 109-140
163. Sojitra, I., K.T. Valsaraj, D.D. Reible and L.J. Thibodeaux (1995) Colloid-facilitated Transport of Hydrophobic Compounds through Porous Media, *Colloids and Surfaces*, 94, 197-211
164. Subramanyan, V., K.T. Valsaraj, D.D. Reible and L.J. Thibodeaux (1994) Gas-to-particle partitioning of PAHs in an urban atmosphere, *Atmospheric Environment*, 28, 3083-3091.
165. Lo, Y.W., D.D. Reible, J.R. Collier (1994) Three Dimensional Modeling of Reaction Injection Molding *Polymer Engineering and Science*, 34, 1394-1400
166. Lo, Y.W., D.D. Reible, J.R. Collier (1994) Three Dimensional Modeling of Reaction Injection Molding (II) Applications, *Polymer Science and Engineering*, 34, 1401-1405
167. Reible, D.D. (1994) Loss of Methyl Bromide to the Atmosphere During Soil Fumigation, *Journal of Hazardous Materials*, 37, 3 431-444.
168. Novitskii, M.A., D.D. Reible, E.N. Morozko (1994) Mathematical Modeling of Tracer Experiments under the Breeze Circulation, *Meteorology and Hydrology*, 1, pp. 33-40
169. Thibodeaux, L.J., K.T. Valsaraj and D.D. Reible (1993) Associations between Polychlorinated Biphenyls and Suspended Solids in Natural Waters: An Evaluation of the HOC Uptake Rate by Particles Paradigm", *Water Sci. Tech.*, 28, pp. 215-221
170. Valsaraj, K.T., G.J. Thoma, C.L. Porter, D.D. Reible and L.J. Thibodeaux (1993) Transport of Dissolved Organic Carbon-Derived Natural Colloids from Bed Sediments to Overlying Water: Laboratory Simulations, *Water Sci. Tech.*, 28, pp. 139-147
171. Thoma, G.J., D.D. Reible, K.T. Valsaraj and L.J. Thibodeaux (1993) Efficiency of Capping Contaminated Sediments in Situ: 2. Mathematics of Diffusion-Adsorption in the Capping Layer, *Environmental Science and Technology*, 27, 12, 2412-2419
172. Rhee, S.W., D.D. Reible and W.D. Constant (1993) Stochastic Modeling of Flow and Transport in Deep Well Injection Disposal Systems, *Journal of Hazardous Materials*, 34, 313-333
173. Valsaraj, K.T., G.J. Thoma, D.D. Reible and L.J. Thibodeaux (1993) On the Enrichment of Hydrophobic

- Organic Compounds in Fog Droplets," *Atmospheric Environment*, 27A, 2, 203-210
174. Reible, D.D., F.J. Perrett, R. McIlhenny (1993) Modeling the Fountain Flow Effect in Reaction Injection Molding, *Polymer Engineering and Science*, 33, 11, 716-720.
 175. Savant-Malhiet, S.A. and D.D. Reible (1993) Comparison of Physical Transport Processes in River Sediments, *Journal of Environmental Engineering*, 119, 1, 90-102
 176. Reible, D.D., J.E. Simpson and P.F. Linden (1993) The Sea Breeze and Gravity Current Frontogenesis, *Quarterly Journal of the Royal Meteorological Society*, 119, 509
 177. Novitsky, M., D.D. Reible (1992) Modeling Breeze Circulation Dynamics for Air Quality Forecasts, *Meteorology and Hydrology*, 4, 5-11 (In Russian).
 178. Novitsky, M., D.D. Reible and B.M. Corripio (1992) Modeling the Dynamics of the Land-Sea Breeze Circulation for Air Quality Modeling", *Boundary Layer Meteorology*, 59, 163-175
 179. Illangasekare, T. H., Znidarcic, D., Al-Sheridda, M., & Reible, D. D. (1991, June). Multiphase flow in porous media. In *Centrifuge* (Vol. 91, pp. 517-523).
 180. Rhee, S.W., D.D. Reible and W.D. Constant (1991) Simulation of the Effects of Shale Heterogeneities on Effective Permeability in Deep Well Injection Disposal Systems, *Fluid/Particle Separations Journal*, 4 (4), 204-210 (1991).
 181. Wang, X.Q., L.J. Thibodeaux, K.T. Valsaraj and D.D. Reible (1991) The Efficiency of Capping Contaminated Sediments in Situ. I. Lab-scale Experiments of Diffusion/Adsorption in the Capping Layer, *Environmental Science and Technology*, 25 (9) 1578-1584
 182. Thibodeaux, L.J, K.C. Nadler, K.T. Valsaraj and D.D. Reible (1991) The Effect of Moisture on Volatile Organic Chemical Vapor-to-Particle Partitioning with Atmospheric Aerosols - Competitive Adsorption Theory Predictions, *Atmospheric Environment*, 25A (8) 1649-1656
 183. King, J.A. and D.D. Reible (1991) Laminar Natural Convection Heat Transfer from Inclined Surfaces, *International Journal of Heat and Mass Transfer*, 34 (7), 1901-1904
 184. Reible, D.D., T.H. Illangasekare, D.V. Doshi and M.E. Malhiet (1990) Infiltration of Immiscible Contaminants in the Unsaturated Zone", *Ground Water* 685-692, August-September
 185. Chitgopekar, N.P., D.D. Reible and L.J. Thibodeaux (1990) A Model for Describing Short Range Dispersion near Area Sources of Toxics", *Journal of the Air and Waste Management Association*, 40 (8) 1121-1128
 186. Baron, J.A., L.J. Thibodeaux, C.B. Henry, D.D. Reible and P.H. Templet (1990) A Laboratory Simulation of Selected Natural Recovery Processes of Contaminated Marine Sediment", *Estuaries*, 13 (1) 81-88
 187. Reible, D.D., M.E. Malhiet, T.H. Illangasekare (1989) Modeling Gasoline Fate and Transport in the Unsaturated Zone, *Journal of Hazardous Materials*, 22 359-376
 188. G.S. Gipson, D.D. Reible and S.A. Savant (1988) Boundary Elements and Perturbation Theory for Certain Classes of Hyperbolic and Parabolic Problems", *Engineering Analysis*, 5 (3) 133
 189. Savant, S.A., D.D. Reible, J.C. Ortiz and G.S. Gipson (1988) A Direct Method for Equipotential and Streamline Tracing in the Boundary Element Method, *Engineering Analysis*, 5 (3) 155
 190. Willms, R.S., D.M. Wetzel, D.D. Reible and D.P. Harrison (1988) Aqueous Phase Oxidation: The Effect of Soil on Oxidation Kinetics, *Hazardous Waste and Hazardous Materials*, 5 (1) 65-71

191. Singh, V.P., D.D. Reible and L.J. Thibodeaux (1988) Mathematical Modeling of Fine Sediment Transport, *Hydrology Journal of IAHR*, *XI* (4) 1-23
192. Savant, S.A., D.D. Reible and L.J. Thibodeaux (1987) Modeling Convective Transport in Stable River Sediments, *Water Resources Research*, *23*, 9
193. Reible, D.D., F.H. Shair, R.J. Cayer and D.W. Nelson (1987) The Transport and Dispersion of Airborne Contaminants in Boundary Layers over the Ocean and an Isolated Island Cape", *Boundary Layer Meteorology*, *39*, 93-102
194. Marsden, A.R., D.D. Reible and M.Y. Frenklach (1987) Increasing the Computational Feasibility of Urban Air Quality Models that Employ Complex Chemical Mechanisms", *Journal of the Air Pollution Control Assoc.*, *37* (4) 370-376
195. Willms, R.S., A.M. Balinsky, D.D. Reible, D.M. Wetzel and D.P. Harrison (1987) Aqueous Phase Oxidation: Rate Enhancement Studies", *I&EC Research*, *26*, 606-612
196. King, J.A., D.D. Reible and F.H. Shair (1987) The Influence of Atmospheric Stability on Pollutant Transport by Slope Winds, *Atmospheric Environment*, *21* (1) 53-60
197. Willms, R.S., A.M. Balinsky, D.D. Reible, D.M. Wetzel and D.P. Harrison (1986) Aqueous Phase Oxidation: The Intrinsic Kinetics of Single Organic Compounds, *I&EC Research*, *26*, 148-154
198. Willms, S., A. Martin, D. Reible, D. Wetzel and D. Harrison (1985) Analysis of High Pressure, Multiphase, Batch Reactor Data, *AIChE Environmental Progress*, *4* (2) 131-135
199. Reible, D.D. (1984) Gas Transport Through Polyethylene Membranes", R&D Note, *AIChE Journal*, *30* (3) 492-494
200. Reible, D.D. (1984) Atmospheric Dispersion of Vapors - Are Molecular Properties Important?, Reply", Referred Technical Comment, *Science*, *224*, 905-906
201. Reible, D.D., F.H. Shair and R. Aris (1983) A Two-Layer Model of the Atmosphere Indicating the Effects of Mixing Between the Surface Layer and the Air Aloft, *Atmospheric Environment*, *17*, 25-33
202. Reible, D.D., P.J. Sackinger and F.H. Shair (1982) Uncertainties Associated with the Estimation of Mass Balances and Gaussian Parameters from Atmospheric Tracer Studies, *Journal of the Air Pollution Control Association*, *32* (7) 720-724
203. Reible, D.D. and F.H. Shair (1982) A Technique for Investigating Gaseous Diffusion in Porous Media, *Journal of Soil Science*, *33* (2) 165-174
204. Reible, D.D., J.R. Ouimette and F.H. Shair (1982) Atmospheric Transport of Visibility Degrading Pollutants into the California Mojave Desert, *Atmospheric Environment*, *16* (3) 599-613
205. Reible, D.D. (1982) Atmospheric Transport in Complex Atmospheric Flows, PhD Dissertation, California Institute of Technology, Pasadena, CA 91125
206. Reible, D.D., F.H. Shair and E. Kauper (1981) Plume Dispersion and Bifurcation in Directional Shear Flows in Complex Terrain, *Atmospheric Environment*, *15* (7) 1165-1172

B. Other Publications

1. Reible, D. D. (2021). Book review of *Mechanics of Bio-Sediment Transport*, Hongwei Fang, Lei Huang, Huiming Zhao, Wei Cheng, Yishan Chen, Mehdi Fazeli, Qianqin Shang (Eds.), Springer-Verlag, Berlin

Heidelberg (2020).

2. Smith, A.V. and Reible, D.D. (2020) In-Situ Porewater Measurements for Cap Monitoring: Roxana Marsh Great Lakes Legacy Act Project, West Branch of the Grand Calumet River & Roxana Marsh, Final Report to Battelle and US EPA.
3. Reible, D.D (PI) (2018) Assessment and Management of Stormwater Impacts on Sediment Recontamination Final Report SERDP Project: ER-2428
4. TAMEST- Environmental and Community Impacts of Shale Development, Report to the State of Texas (Danny Reible, Task Force member and lead for water) May 2017
5. Reible, D.D., Nomaan, M., Hussain, T. Rakowska, M, Smith, A., Contaminant Mobility in Contaminated Sediments - East Harbor Marina Capping Assessment, Final Report, May 26, 2017
6. Reible, D.D., Rakowska, M, Hussain, T., Performance of Activated Carbon for Sediment Remediation, Final Report to Cabot Corp, May 7, 2017
7. Reible, D.D. Laboratory Studies Report- South River, Final Report to DuPont Corp., March 21, 2017
8. Reible, D. D Field Sampling Report – South River, Final Report to DuPont Corp., January 19 2017
9. TAMEST (D. Reible, Chair), Texas Water Summit: Securing our Economic Future, Report July 2014
10. Reible, D.D. Key to Texas Economy is Water Supply, Austin American Statesman, May 15, 2014
11. Bibby, K.J. Susan L. Brantley, Danny D. Reible, Karl G. Linden, Paula J. Mouser, Kelvin B. Gregory, Brian R. Ellis, and Radisav D. Vidic, Suggested Reporting Parameters for Investigations of Wastewater from Unconventional Shale Gas Extraction Environmental Science & Technology 2013 47 (23), 13220-13221
12. TAMEST (D. Reible, Chair), Texas Water Summit 2012: Report July 2012
13. Reible, D.D. Texas must limit agricultural water use, Houston Chronicle, May 29, 2012
14. Reible, D.D., G. Lotufo, COST AND PERFORMANCE REPORT ,Demonstration and Evaluation of Solid Phase Microextraction for the Assessment of Bioavailability and Contaminant Mobility, Environmental Restoration Project ER-0624, October, 2011
15. Reible, D.D., G. Lotufo, FINAL TECHNICAL REPORT ,Demonstration and Evaluation of Solid Phase Microextraction for the Assessment of Bioavailability and Contaminant Mobility, Environmental Restoration Project ER-0624 May 2012
16. Reible, D.D., G. Lotufo, USER’S MANUAL ,Demonstration and Evaluation of Solid Phase Microextraction for the Assessment of Bioavailability and Contaminant Mobility, Environmental Restoration Project ER-0624, May 2012
17. Reible, D.D. and X. Lu, 2010 SPME Deployment at McCormick and Baxter, Final Report to Oregon DEQ, March 2011
18. Dixon, K., D Reible, J Roberts, I Petrisor, Reible, D.D, X. Lu, L. Kuriakose, P. Dunlap. Innovative In-Situ Remediation of Contaminated Sediments for Simultaneous Control of Contamination and Erosion. Part 1, SRNL-STI-2010-00480, SAVANNAH RIVER NATIONAL LAB AIKEN SC
19. Reible, D.D. After the oil is no longer leaking.. *Environ. Sci. and Technol.* July 2010.
20. Danny D. Reible, Xiao Xia Lu, Gabe Trejo, Final Report for 2008-2009 McCormick and Baxter Site, Final

Report to Oregon DEQ.

21. Reible, D.D. (2010) SPME/PDMS Calibration Study, Final Report to Northwest Division Seattle District US Army Corps of Engineers, April 2010.
22. Reible D, Lu XX, Kuriakose, L. and P. Dunlap 2009 SPME Deployment at McCormick and Baxter Superfund Site, Final Report to Oregon DEQ.
23. Reible, D.D. X. Lu ,A. Skwarsko, G. Lotufo, Laboratory Study Report: Demonstration and Evaluation of Solid Phase Microextraction for the Assessment of Bioavailability and Contaminant Mobility, <http://www.estcp.org/Technology/upload/ER-0624-Lab-Rep.pdf> (2008)
24. Barth, E, D Reible, Design Consideration Involving Active Sediment Caps , Proceedings of First International Conference on Hazardous Waste Management, Crete, 2008
25. Reible, D.D, L. Moretti, X. Lu, Organoclay Cap Performance Evaluation – Laboratory Study, McCormick & Baxter Creosoting Company Site, Report to Oregon Department of Environmental Quality, 2007
26. Walsh, W.J., D.D. Reible, C.N. Haas, J.H. Pardue, T.S. Bowers, An Evaluation of Chemical Contamination in the Aftermath of Hurricane Katrina, *Environment Reporter*, 37, 43, 11-3-06 (2006)
27. Palermo, M., D. Hayes, D. Reible, J. Verduin, S. Warren and J. McAuliffe, Onondaga lake sediment remediation – Dredging and capping alternatives, WEDA 05
28. Reible, D.D., C.N. Haas, J.H. Pardue, W.J. Walsh, Toxics and contaminant concerns generated by Hurricane Katrina, Editorial, *Journal of Environmental Engineering*, 132, 6, 535-536 (2006)
29. Reible, D.D., C.N. Haas, J.H. Pardue, W.J. Walsh, Toxics and contaminant concerns generated by Hurricane Katrina, *The Bridge* (National Academy of Engineering) 36, 1, 5-13 (2006)
30. Reible, D.D., C. Kiehl-Simpson and A. Marquette “ An Improved Model for Cap Design” Battelle Sediments Conference Proceedings, January 2005
31. Reible, D.D., X. Lu and A. Khanam, Organoclay cap performance evaluation – laboratory study, Final Report, Oregon DEQ, 2005
32. Reible, D.D. In Situ Sediment Remediation Through Capping: Status and Research Needs, Invited Paper/Presentation for SERDP Workshop on Research Needs in Contaminated Sediments (Proceedings Published October 2004)
33. Crannel, B.S, T. Eighmy, G. Hall, C. Willson, D. Reible, M. Yin, Pilot-Scale Reactive Barrier Technologies for Containment of Metal-Contaminated Sediments and Dredged Materials, Final Report to CICEET, 2004.
34. Reible, D.D., Y. Chai, and X. Lu, “Sequestration and Bioavailability of PAHs in Sediments” Battelle Sediments Conference Proceedings, October 2003.
35. Reible, D.D., W.D. Constant, K. Roberts, Y.W. Zhu, “Active Capping Demonstration Project In Anacostia DC, Battelle Sediments Conference Proceedings, October 2003.
36. Valsaraj, K.T, K.E. Thompson, D.D. Reible, L. Yan, “Environmental Remediation of Dense Organic Contaminants Using Polyaphron Treatments, US Patent 6,602,024 August 5, 2003
37. Reible, D.D., Lu, X.X. “Desorption, Accumulation, And Elimination Of Sediment-Associated Phenanthrene And Benzo[A]Pyrene To A Freshwater Oligochaete”, Proceedings of US Environment, 2003
38. Reible, D.D., D. Hayes, C. Lue-Hing, M. Johnson, N. Bhowmik, J. Patterson, J. Teal, “Application of the

- NRC Framework for Evaluation of Remedial Actions at a PCB Contaminated Sediment Site,” Proceedings of Dredging '02, Orlando, FL
39. Reible, D.D., X. Lu, J. Fleeger and J. Pardue “ Sequestration and Bioavailability of PAHs in Sediments” Battelle Sediments Conference Proceedings, October 2001
 40. Reible, D.D. “ Contaminated Sediment Management- Still an Oxymoron?” Editorial for *Chemical Engineering Progress*, December 2000
 41. Reible, D.D. “Waste Management in the Oil and Gas Exploration and Production Wastes,” Proceedings of the Korean Solid Waste Engineering Society, Taegu, Korea, November 2000
 42. Reible, D.D. “Trends in Industrial Waste Management in the United States,” Proceedings of the Korean Solid Waste Engineering Society, Taegu, Korea, November 2000
 43. Reible, D.D. “Natural Processes Affecting Contaminant and Sediment Fate, “ White paper to Sediment Remediation Technology Development Forum, August 2000
 44. Reible, D.D. “Monitoring Remedial Effectiveness,” White paper to Sediment Remediation Technology Development Forum, August 2000
 45. Reible, D.D, P.B. Cunningham, Assessing the Biocompatibility of AquaBlok to Freshwater Oligochaetes,” Final Report to Hull, Inc. August 2000
 46. Francingues, N., T. Wakeman, D. Reible, S. Garbaciak, C. Wardlaw, F. Hamons, R. Hauptman, “Innovative Dredged Sediment Decontamination and Treatment Technologies”, Report of PIANC Specialty Workshop, T. Wakeman, D.Reible, Co-Chairs, Oakland, CA, May 2000
 47. Reible, D.D., J.W. Fleeger, M. Tomson, A. Kochetkov, L. Zhang, X. Lu “Bioavailability of desorption resistant phenanthrene to freshwater oligochaetes,” Extended Abstract, Annual Meeting of the American Chemical Society, August 1999
 48. Tomson, M. A. Kan, W. Chen, J. Hughes and D. Reible, “Biological Response and Availability of Desorption Resistant Organic Pollutants,” Extended Abstract, Annual Meeting of the American Chemical Society, August 1999
 49. Kan, A., M. Tomson, W. Chen, J. Hughes and D. Reible, “Protocol for Assessment of Biological Available Pollutant Concentration in Soil,” Extended Abstract, Annual Meeting of the American Chemical Society, August 1999
 50. Palermo, M.R., S. Maynard, J. Miller and D.D. Reible, “Guidance for In-Situ Subaqueous Capping of Contaminated Sediments”, Assessment and Remediation of Contaminated Sediments (ARCS) Program, Great Lakes National Program Office, US EPA 905-B96-004, 1998
 51. Reible, D.D. and J. Nemeth, “Management of Contaminated Sediments: Research Supporting a Risk-Based Approach”, Proceedings of the 6th Conference on Energy and the Environment, Cairo, Egypt, May 1998.
 52. Reible, D.D., K.T. Valsaraj and L.J. Thibodeaux, “Contaminant Loss Estimation for the Evaluation of Sediment Management Options,” in Pollution Prevention and Environmental Risk Reduction, Proceedings of the 1998 Annual AIChE Meeting Specialty Conference, Miami, Fl
 53. Reible, D.D. and S.T. Chia, “Biological Degradation and Fate Modelling Studies of Pah Compounds Found in Water Treatment Plant Solids from an Oil Refinery,” Proceedings of Institution of Chemical Engineers, UK (1998) *Recipient of Best Paper Award*
 54. Reible, D.D., Volatile Organic Compounds in the Environment, Book Review, Waste Management, 16, 7

663-664, 1997.

55. de Seze, G., K.T. Valsaraj, L.J. Thibodeaux, D.D. Reible, "Study of the Air-Sediment Partition Constant of Some Polynuclear Aromatic Hydrocarbons and Dibenzofuran," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
56. Valsaraj, K.T., R. Ravikrishna, D. Reible, L.J. Thibodeaux, T.E. Myers, C.B. Price, J.M. Brannon, "Air Emissions from Contaminated Sediments and Dredged Materials," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
57. Shephard, A., D.D. Reible, J. Fleeger, K.T. Valsaraj and L.J. Thibodeaux, "Fate of Pyrene during Oligochaete Bioturbation," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
58. Choy, B., B. Walsh, D.D. Reible, K.T. Valsaraj and L.J. Thibodeaux, "Effects of Vapour Diffusion and Capillary Suction on the Transport of Volatile NAPL in a Sediment Column," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
59. Cheah, E.P.S., B. W. Walsh, D.D. Reible, K.T. Valsaraj and L.J. Thibodeaux, "Simulation of Soil Washing with Surfactant," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
60. Reible, D.D., F. Deng, T.T. Luong, K.T. Valsaraj, "The Mobility of Pyrene in Oil and Grease Contaminated Sediment," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
61. Reible, D.D., "Model for Chemical Containment by a Cap," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
62. Mohanty, S., D.D. Reible, K.T. Valsaraj and L.J. Thibodeaux, "A Levy Flight-Random Walk Model for Bioturbation," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
63. Choy, B., B. Walsh, D.D. Reible, K.T. Valsaraj and L.J. Thibodeaux, "Transport of Semi-Volatile Contaminants in Sediments with Drying Dynamic Water Saturation Profiles," Proceedings of the WERC/HSRC '97 Joint Conference on the Environment, Albuquerque, NM, April 1997.
64. Myers, T.E., M.R. Palermo, T.J. Olin, D.E. Averett, D.D. Reible, J.L. Martin, S.C. McCutcheon, "Estimating Contaminant Losses from Components of Remediation Alternatives for Contaminated Sediments," Final Report prepared for the US Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL, 1996.
65. Peters, G.M., J.P. Barford, W.G. Comes, D.D. Reible, and W.A. Maher, "Bioturbation Effects on Selenium Mobility," Proceedings of the 7th International IASWS Symposium, Baveno (Stresa) Italy, September 22-25, 1996.
66. Valsaraj, K.T., L.J. Thibodeaux, D.D. Reible, J.M. Brannon, T.E. Myers and C.B. Price, "Volatile Chemical Emissions from Contaminated Dredged Materials: Laboratory Measurements and Models", Proceedings of the Air and Waste Management Association, 1996.
67. Popov, V., L. Moranto, K.T. Valsaraj, D.D. Reible, L.J. Thibodeaux, M.A. Todaro and J. Fleeger, "Pollutant Fluxes to Aquatic Systems via Bed Sediment Processes", Proceedings of EPA RREL Research Symposium, April 1995, Cincinnati, OH.
68. Thibodeaux, L.J., K.T. Valsaraj, D.D. Reible and J.M. Brannon, "Modeling Air Emissions from Contaminated Dredged Materials," Proceedings of EPA RREL Research Symposium, April 1995, Cincinnati,

OH.

69. Reible, D.D., S.A. Savant-Malhiet, L.J. Thibodeaux, K.T. Valsaraj and T.E. Myers, "Seepage through Walls of Confined Disposal Facilities", Proceedings of Dredging '94, November 1994, Orlando, FL.
70. Myers, T.E., D.D. Reible and D.E. Averett, "Recent Advancements in Comprehensive Analysis of Migration Pathways (CAMP)", Proceedings of Dredging '94, November 1994, Orlando, FL.
71. Thibodeaux, L.J. D.D. Reible and K.T. Valsaraj, "Capping Contaminated Sediments- The Theoretical Basis for Chemical Containment", Proceedings of Dredging '94, November 1994, Orlando, FL.
72. Thibodeaux, L.J. D.D. Reible and K.T. Valsaraj, "So You Want to Remediate Contaminated Mud! These are Your Five Choices", Proceedings of Dredging '94, November 1994, Orlando, FL.
73. Reible, D.D., G. Thoma, "In-Situ Capping for the Remediation of Contaminated Sediments," Proceedings of CHEMECA 94, September, 1994, Perth, Australia.
74. Reible, D.D., Y.S. Koo, B.L. Swift, "Pollutant Transport in the Sea Breeze," Proceedings of CHEMECA 94, September 1994, Perth, Australia.
75. Reible, D.D., L.J. Thibodeaux, K.T. Valsaraj and J.W. Fleeger, "Pollutant Fluxes to Aquatic Systems via Coupled Biological and Physicochemical Bed Sediment Processes", Proceedings of the IAWQ First International Specialized Conference on Contaminated Aquatic Sediments: Historical Records, Environmental Impact, and Remediation, Milwaukee, WI, June 14-16, 1993.
76. Valsaraj, K.T., G.J. Thoma, D.D. Reible, and L.J. Thibodeaux, "Transport of Colloids from Bed Sediment", Proceedings of the IAWQ First International Specialized Conference on Contaminated Aquatic Sediments: Historical Records, Environmental Impact, and Remediation, Milwaukee, WI, June 14-16, 1993.
77. Thibodeaux, L.J., K.T. Valsaraj and D.D. Reible, "Associations between Polychlorinated Biphenyls and Suspended Solids in Natural Waters: An Evaluation of the HOC Uptake Rate by Particles Paradigm", Proceedings of the IAWQ First International Specialized Conference on Contaminated Aquatic Sediments: Historical Records, Environmental Impact, and Remediation, Milwaukee, WI, June 14-16, 1993.
78. Reible, D.D., G.J. Thoma, K.T. Valsaraj, L.J. Thibodeaux and D. Timberlake, "Procedures for Selection and Design of a Cap for In-Situ Treatment of Contaminated Sediment," Proceedings of the EPA RREL Symposium, Cincinnati, OH, April 14-16, 1993.
79. Reible, D.D. and S.C. McCutcheon, "Benthic Exchange Processes", in Advances in Hydro-Science and Engineering, .Y.Wang, Ed., Proceedings of the International Conference on Hydrosience and Engineering, Washington, D.C., June 7-11, 1993.
80. McCutcheon, S.C. and D.D. Reible, "Benthic Exchange of Toxic Contaminants", published in the Proceedings of the ASCE, Hydraulics Division Special Conference, August, 1992, Baltimore, MD.
81. Reible, D.D., Evaluation of Contaminant Losses from Components of Remediation Alternatives for Contaminated Sediment, Final Report to Batelle/Army Research Office, June 1992
82. Tittlebaum, M., D.D. Reible and R. Thompson (LaTech) Evaluation of Potential Hazard Exposure Resulting from DOE Waste Treatment and Disposal at RES, Final Report to the US Department of Energy, April 1992
83. Illangasekare, T.H., D. Znidarcic, M. Al-Sheridda and D.D. Reible, "Multiphase Flow in Porous Media," in the Proceedings of International Centrifuge Conference, H.Y. Ko and F.G. McLain, Ed. (1991).
84. Rhee, S.W., D.D. Reible and W.D. Constant, "Simulation of the Effects of Shale Heterogeneities on Effective Permeability in Deep Well Injection Disposal Systems, presented at the Fall Meeting of the American

Filtration Society, October, 1990, Baton Rouge, LA.

85. Illangasekare, T.H., E.J. Armbruster, D.Yates, D.Szlag, D.D. Reible, D.V. Doshi and J.L. Smith, "Transport and Entrapment of Nonaqueous Phase Waste Products in Heterogeneous Media," Proceedings of the 4th Symposium of the Hazardous Waste Research Center, Louisiana State Univ., Baton Rouge, LA, October, 1990.
86. Rhee, S., D.D. Reible and W.D. Constant, "Stochastic Modeling of Vertical Movement of Hazardous Waste in Deep Well Disposal Systems," Proceedings of the 11th Korea Symposium on Science and Technology, Seoul, Korea, June 1990.
87. Illangasekare, T.H., E.J. Armbruster, D. Yates, D.Szlag and D.D. Reible, "Effect of Heterogeneity on Transport and Entrapment of Nonaqueous Phase Waste Products in Aquifers," Proceedings of the 3rd Symposium on Hazardous Substances, Kansas State University, Manhattan, KS, 1990.
88. Rhee, S., D.D. Reible and W.D. Constant, "Modeling of Confining Layer Integrity in Deep Well Disposal Systems," in the Proceedings of the 1st Annual Meeting of the American Filtration Society, October, 1989, Houston, TX.
89. Reible, D.D. and T.H. Illangasekare, "Transport of Lighter than Water Nonaqueous Phase Liquids in and above Water Table Aquifers: Experiments, Modeling and Parameter Estimation", Proceedings of the Third Annual Symposium on Hazardous Waste Research, Baton Rouge, LA, October 18-19, 1989.
90. Reible, D.D. and T.H. Illangasekare, "Modeling Transport of Multiphase Subsurface Contaminants", Proceedings of the Second Annual Symposium on Hazardous Waste Research, Baton Rouge, LA, October 25-26, 1988.
91. Reible, D.D. and T.H. Illangasekare, "Two Dimensional Transport of Concentrated Organic Waste in Ground Water", published in the Proceedings of the International Conference on Groundwater Contamination: Use of Models in Decision Making, Amsterdam, October, 1987, International Groundwater Modeling Center, Martinus Nijhoff.
92. Chitgopekar, N.P., D.D. Reible and L.J. Thibodeaux, "A Model for describing Short Range Dispersion near Area Sources of Toxics", Proceedings of the LSU HWRC Symposium on Hazardous Waste Research, Baton Rouge, LA, October 20-21, 1987.
93. Reible, D.D., and T.H. Illangasekare, "Modeling Transport of Multiphase Subsurface Contaminants", Proc.of the LSU HWRC Symposium on Hazardous Waste Research, Baton Rouge, LA, October 20-21, 1987.
94. Illangasekare, T.H. and D.D. Reible, "Study of Concentrated Organics in the Unsaturated Zone", published in the Proceedings of the Second International Conference on New Frontiers in Hazardous Waste Management, Pittsburgh, PA, August 1987.
95. Reible, D.D., "Subsurface Contamination by Multiphase Processes: Research and Policy Implications for the EPA", AAAS Environmental Science and Engineering Fellows Program Report, EPA, Washington, D.C., August 1987.
96. Illangasekare, T.H., P. Brody and D.D. Reible, "A Study of Two-dimensional Transport of Concentrated Organics in Saturated and Unsaturated Soils", Proceedings, AGU Front Range Branch Hydrology Days, Ed. H.J. Morel-Seytoux (1987)
97. Reible, D.D. "The Boundary Element Method and Applications "Economic Methods for Multipollutant Analysis and Evaluation", AIChE Journal, 33 (1) 172 (1987)
98. Reible, D.D. and T.H. Illangasekare, "Development and Experimental Verification of a Model for Transport and Entrapment of Concentrated Organics in the Unsaturated Zone", published in Petroleum Hydrocarbons

and Organic Chemicals in Ground Water: Prevention, Detection, and Restoration, NWWA (1986)

99. Reible, D.D. and K.B. Garg, "Characterization of the Transport and Dispersion of Stack Gases from a Coal-Fired Power Plant," Final Report to the Gulf States Utilities Co., Beaumont, Texas, February 1986
100. Reible, D.D. and K.B. Garg, "Characterization of the Transport and Dispersion of Stack Gases from a Coal-Fired Power Plant," Final Report to the LSU Center for Energy Studies, Baton Rouge, LA, September, 1985.
101. Dean, J.D., D.F. Atwood, A.S. Dorigan, F.R. Groves, D.D. Reible, L.J. Thibodeaux, P.S.C. Rao, and J.R. Withey, "Exposure Assessment involving Mixtures of Environmental Pollutant" Final Report to the USEPA on Contract No. 68-03-3116 December 1984.
102. Reible, D.D., D.M. Wetzel, R.S. Willms, A.K. Martin and D.P. Harrison, "Soil Detoxification using Modified Wet-Air Oxidation", Final Report to USEPA on Contract No. 68-03-3014, July, 1984.
103. Wetzel, D.M. and D.D. Reible, "Alternative methods for the destruction of hazardous wastes", Final Report to the LSU Hazardous Waste Research Center, January 1983.
104. Reible, D.D. and D.M. Wetzel "A Literature Survey of Three Selected Hazardous Waste Destruction Techniques," Proceedings of the Ninth Annual Research Symposium on Land Disposal of Hazardous Waste, US EPA, Municipal Environmental Research Laboratory, Cincinnati, Ohio 45268, 408-414 (1983)
105. Reible, D.D., F.H. Shair, T.B. Smith and D.E. Lehrman, "A Study of the Origin and Fate of Air Pollutants in California's Sacramento Valley", Final Report to the California Air Resources Board, December 1981.
106. Reible, D.D., F.H. Shair, T.B. Smith and D.E. Lehrman, "The Origin and Fate of Airborne Pollutants within the San Joaquin Valley", Final Report to the California Air Resources Board, June 1981.
107. Reible, D.D., F.H. Shair, T.B. Smith and D.E. Lehrman, "A Study of Transport into, within and out of Coastal Areas of Southern Santa Barbara County and Ventura County", Final Report to the Ventura Air Pollution Control District, June 1981.

III. GRANTS AND CONTRACTS

Texas Tech University (Total funding as PI or co-PI, 2013-2025 -\$15.280 MM, TTU portion \$11.184 MM)

- Reible, D. (PI) B. Rao, W.S. Walker, K. Balasubramanian, A. McClintick, Building Resilience and Security in Drinking Water Systems, DHS CIRI (University of Illinois), \$530K (TTU portion \$150K)
- Reible, D (PI), Qingwang Yuan Production of Geologic Hydrogen Through Stimulated Mineralogical Processes, APRA-E, \$2.0 MM (2024-2026, TTU portion \$1,180K)
- Reible, D. (PI) Passive Sampling in Willamette River, Portland, OR (2023-2025) US EPA through CDM Smith, 80K
- Rao, B (PI), D. Reible, M. Rakowska, Laboratory scale evaluation of combining advanced oxidation process with sediment stabilization for beneficial use in construction. (2023-2025) USACE-ERDC, \$674K
- Bertone, I, R. Grabowski, F. Coulon, D. Reible Enhancing global prediction of PFAS pollutant fate in sediment, (2023-2024) UK National Environmental Research Council \$102,000 (international collaboration, no funding directly to TTU)
- Guelfo, J. (PI) D. Reible, W.A. Jackson, T. Anderson Total Organic Fluorine Equipment Grant, SERDP (2022-2025) \$226,737=
- Tindle, K (PI) , M. Watson, E. Bernard, V. Uddameri, B. Ewing, D. Reible, C. Bratcher, Texas Produced Water

Consortium, Texas Water Development Board (2021-2023) \$1 M (2023-2025) \$5 M (Not included in above totals)

Reible, D. (PI), A. Jackson, A. Deonaraine, Evaluation of Contaminant Mobility, Availability and Speciation- Armstrong Industries, St. Helens, OR, Oregon DEQ (2021-2022) \$145,175

Reible, D. (PI), A. Jackson, Evaluation of Contaminant Mobility and Availability - McCormick and Baxter, Portland, OR, Oregon DEQ (2020-2021) 98.03K

Reible, D. (PI-TTU), Application of Passive Samplers to Support Risk Assessment and Long-term Monitoring, (Lead PI W. Gardiner, USACE), ESTCP ER20-D1-5220 (2021-2024) 210.1K (TTU portion)

Reible, D. (PI), M. Rakowska, B. Rao, NSF, I-Corps: Polymeric passive samplers for monitoring hydrophobic organic compounds in the environment (2020) 50K

Reible, D. (PI) USACE, Low Density Polyethylene (LDPE) Sheet Field Deployment and Analytical Support, Bradford Island (2019-2021) 76K

Reible, D. (PI), USEPA, Long-Term Monitoring Using Passive Samplers at the West Branch Grand Calumet River, (2019-2020) 72K

Reible, D. (PI) G. Perry, M. Currie, T. Byrd, NSF - Networking for Environmental Sustainability in Arid Region Urban Communities (2019-2020) 50K

Reible, D. (co-PI, US) with H. Fang (co-PI, China, Tsinghua University) Ecofluvial dynamics, Chinese Foreign Expert 111 Project (2018-2028) \$9.0 MM RMB~ \$1,231K (for travel and in-China support, administered by Tsinghua University, no funds directly to TTU)

Reible, D. (PI), R. Campbell, C. Na, R. Taraban, JH Kim, IGE: Developing Reflective Engineers through Artful Methods, National Science Foundation (2018-2022) 498K

Reible, D. (PI) Availability of Mercury in Metal Impacted Sediments, Chevron (2018-2022) \$530K

Reible, D. (PI) Development of Tools to Inform the Selection of Stormwater Controls at DoD Bases to Limit Potential Sediment Recontamination SERDP (2018-2023) 1.058 M (961.5K TTU)

Michalsen, M. (PI) D. Reible (co-PI, TTU PI) Standardization of Polymeric Sampling for Measuring Freely-Dissolved Organic Contaminant Concentrations in Sediment Porewater, ESTCP 17 E-ER1-025 (2017-2021) 1,137K (150 K TTU)

Jackson W.A. (PI), D. Reible (co-PI) High Resolution Passive Profiling to Monitor Contaminated Sediments in Support of Remediation, ESTCP 17 EB-ER-1-006 (2017-2022) 987K

Reible, D. (PI), H.S. Kim (Duke) Assessment and management of mercury in a freshwater stream (2014-2021) DuPont 670 K

Rifai, H. (PI, UH), D. Reible (co-PI) with J Pardue (LSU), A. Katner (Tulane Public Health), R.Mejia (Baylor Medicine) and Planning Grant: Engineering Research Center for Hurricane Urban Planning Hazards Research, National Science Foundation (2018-2021) \$100K (administered through University of Houston, no funds directly to TTU)

Reible, D. (PI) RAPID: Collaborative Research: Enhance the Resilience of Water Infrastructure in Mid-sized Cities Adjacent to Energy Industry, NSF (2017-2019) \$59.366K

Reible, D. (PI) Evaluation of Volatile Emissions with Passive Sampling USACE (2017-2018) 57K

Reible, D. (PI) Amended capping research, Huesker, Inc 25K (2017 donation) 25K (2018 donation)

Reible, D. (PI), A. Jackson Passive Sampling for Mercury in a Sediment Environment - Jellicoe Cove, Ontario, Canadian Ministry of the Environment and Climate Change (2017-2018) 47K

Millerick, Kayleigh (PI), D. Reible (Co-PI), Biodegradation Of Naphthalene Under Different Terminal Electron Accepting Conditions In Sediment Capping Materials, Haley & Aldrich, Inc., (2015-2018) 119.7K

Reible D. (PI), A. Swift, K. Rainwater, C. Na Critical Infrastructure Resilience Institute- Education and Workforce Development (2016-2017), Department of Homeland Security \$205K

Reible, D. (PI) Jeong-Hee Kim, Roman Taraban, Chongzheng Na, Jill Hoffman, Developing Reflective Engineers with Artful Methods (DREAM), TTU SGIR (2016-2017) 150K

Reible, D. (PI) Availability of Mercury in Impacted Metals in Sediment, Chevron Corp. (2016-2017) 75K

Reible, D. (PI), C. Na Performance of Activated Carbon for Sediment Remediation Cabot Corp. (2016-2017) 55K

Reible, D. (PI) Contaminant Availability and Mobility in Contaminated Sediments- SF Marina, Haley and Aldrich (2016-2017) 73K

Reible, D. (PI), "Joint US-UK Workshop on Hydraulic Fracturing for Oil and Gas Production," NSF, (2015 - 2016) 39.59K

Reible, D. (PI) Uddameri, V., "Texas Water Project Supporting the Future Economic Needs of the State," Sponsored by TX Department of Agriculture, (2015-2016) 52K

Reible, D. (PI) Passive Sampling for the Evaluation of Carbon Amendment Performance Baseline Characterization at Columbia Slough, OR, Oregon DEQ (2015-2018) 183K

Reible, D. (PI) Lavaca Bay THg Availability and Methylation- Baseline Studies, Tetra Tech (2015-2016) 101K

Reible, D. (PI) Evaluation of Mobility and Availability of Contaminants, Exxon Mobil (2015-2016) 68K

Reible, D. (PI) Assessment of Carbon Amendment Remedy at Hunter's Point, CA (2014-2018) US Navy through Geomorphis 479K

Reible, D. (PI) Assessment/Management of Stormwater Impacts on Sediment Recontamination (2014-2017) DoD SERDP 1.4M (918.9K TTU)

Reible, D. (PI) Field studies at Wyckhoff Eagle Harbor Site, Puget Sound, WA (2014) \$37K

Reible, D (PI) Evaluation of capping at Roxana Marsh, Hammond IN (2014) \$48K

Reible, D (PI) Evaluation of mercury and chlorobenzene at Delaware River, DE (2014) \$150K

Reible, D (PI) Amended capping research CETCO (donation) \$35K

Reible, D. (PI) Assessment of Mercury and Methyl Mercury in Sediments Impacted by U-864, DNVGL Norway (2014) 41K

Reible, D. (PI) Ex-Situ Porewater Measurements for Sediment Assessment (2014), Exxon-Mobil 41K

Reible, D. (PI), C.Chen, V. Uddameri Water Management for Hydraulic Fracturing, Apache Corp. (2014-

2020), 253K

University of Texas (\$6.7 MM)

Webber, M, Hightower, M, Reible D. (co-PI) Workshop on Energy Water Nexus (2013), National Science Foundation, 50K

Reible, D.D.(PI), L. Katz , Laboratory investigation of mercury biogeochemistry (2011-2013) Industrial Sources 825K

Reible, D.D. (PI), Technical Support for Laboratory and Field Investigations of Sediment Capping (2011-2012) USACE, 405K

Reible, D.D. (PI) Passive sampling for the assessment of cap performance (2009-2012) USACE (Seattle District) 155K

Reible, D.D. (PI) Technology transfer supplement for funnel and gate innovations for containment and treatment of contaminated sediments (2010-2012) NIEHS 300K

Reible, D.D. (PI) Evaluation of sorption material for contaminated sediment caps, 2009-2010 EPA 750K (440K, UT)

Reible, D.D. (PI) Organoclay for sorption of chlorinated benzene wastes, 2009-2010 DuPont, 75K

Reible, D.D. (PI) DGT for the monitoring of mercury in interstitial waters, 2009-2012 DuPont 157K

Reible, D.D. (PI) J. Hughes, G. Lowry, Funnel and gate innovations for containment and treatment of contaminated sediments (2007-2011) RO1 900K

Burken, J.G, A.C. Elmore, D. Summers, D. Reible (co-PI), Remediation of contaminated sediments using waterjet amendment (2007-2010) RO1co-PI 450K (75K UT share), Supplemental funding of 160 K (38K UT, 2010-2011)

Reible, D.D. (PI), M.J. Kirisits, K. Kinney and G. Speitel, Biodegradation in sediment caps: bench scale testing ,Parsons (2007-2012) \$620K

Reible, D.D. Laboratory studies of organoclay for MGP wastes EPRI (2007-2010) \$115K

Knox, A, D.D. Reible (Co-PI), and I. Petrisor, Innovative in-situ remediation of contaminated sediments for simultaneous control of contamination and erosion SERDP (2006-2010) \$990K (\$325K UT)

Reible, D.D. (PI) and G. Lotufo, Demonstration and evaluation of solid phase microextraction for the assessment of bioavailability and contaminant mobility ESTCP (2006-2009) \$778K (\$478K UT)

Reible, D.D. Evaluation of capping of citgo calcasieu estuary lagoon URS (2006) \$92.5K

Reible, D.D. Gift- Development of active capping, CETCO, (2005) \$30,000 renewed for \$35K each year 2006, 2007, 2008 and 2010, \$45K 2011, \$35K 2014

Reible, D.D. Bioavailability of desorption resistant contaminants, EPA through LSU \$181K (1/05-1/06)

Reible, D.D. Monitoring cap performance – Anacostia active capping demonstration Washington DC through LSU, 336.8K (11/04-11/07)

Reible, D.D. Evaluation of organoclay as an amended cap material, Oregon Department of Environmental Quality \$75K0 (9/04-6/05) Renewed \$36.4K (6/06-9/06) Renewed \$78K (8/08-8/09), Renewed \$72K (8/09-6/10), Renewed \$82K (7/10-6/11)

Louisiana State University (\$24.1MM)

Reible, D.D (PI) Valsaraj, K.T Evaluation of capping of the CITGO surge pond and lagoon, URS, \$84.K (2004-2005)

Reible, D.D. (PI) DeLaune, R., Valsaraj, K.T. Evaluation of capping of pompton lake acid brook delta mercury deposits, Dupont \$105.7K (2004-2005)

Reible, D.D., J. Pardue, W. Moe, F. Rainey, Enhancement of the biotechnology initiative of the hazardous substance research center, Louisiana Biotechnology Initiative, \$285K (capital), \$235K (annual recurring funds 1/03-1/08)

Reible, D.D. Field demonstration of “active” caps, District of Columbia
\$2.25 Million (10/01-9/02)
\$993.5K (10/02-9/03), \$500K (10/03-9/04), \$500K (10/04-9/05)

Reible, D.D., In situ assessment and remediation of contaminated sites, Pan American Advanced Studies Institute, National Science Foundation, \$90K (10/01-9/02)

Reible, D.D. Technical assistance for brownfields, US EPA,
\$150K (10/01-9/02), Renewed \$155K (10/02-9/03), \$450K (10/03-9/05)

Reible, D.D., Hazardous Substance Research Center/S&SW, US EPA, \$4.5 Million (10/01-9/06)

Reible, D.D., K. Demnerova, In-situ assessment and remediation of contaminated sites, NATO Advanced Study Institute, 3.04 MM Belgian Francs (5/00-6/01)

Reible, D.D., Bioavailability of desorption resistant organic contaminants, Defense Special Weapons Agency, \$ 1.377 MM (10/98-10/01)

Thibodeaux, L.J., D.D. Reible, K.T. Valsaraj, Effectiveness of environmental dredging, Alcoa, \$99K (1/98-1/01)

Reible, D.D., Hazardous Substance Research Center/S&SW, US EPA, \$4.487 Million (10/97-9/01)

Reible, D.D., Technical outreach service to communities - collateral award, US EPA, \$1,168.8 K (10/97- 9/01)

Walk Haydel, Alpine Geophysics, LLC, LSU, Nash Roberts, Tracer ES&T, Breton Aerometric Monitoring Program, 1 MM\$ (LSU First Phase, 9/97-2/98, ~ \$50K).

Work, P., D.D. Reible, Assessment of the effect of bioturbation on advective contaminant exchange at the sediment-stream interface, Water Resources Research Institute, 9/96 - 8/98, \$92.2K (LSU \$21K).

Valsaraj, K.T., L.J. Thibodeaux, D.D. Reible and J. Brannon, Modeling of air emissions from contaminated dredged materials, LSU HSRC and US Army, 6/94-5/97, \$275K, renewed 10/97-9/98, \$100K.

Reible, D.D., L.J. Thibodeaux and K.T. Valsaraj, Placement and effectiveness of capping for the remediation of contaminated sediment, LSU HSRC, 5/1/95-4/30/97, \$200K

Reible, D.D., Sediment remediation by capping, US EPA Risk Reduction Engineering Laboratory, 9/92-8/94, \$190,000, Renewal 9/94-8/97 with Louis Thibodeaux, \$120K

McIlhenny, R. and D.D. Reible, Closeout foam modeling, Martin-Marietta Manned Space Systems, 7/1/92-

12/18/92, \$25K

Reible, D.D., Contaminant losses from confined disposal facilities, US Army Research Office, 8/1/92-7/31/95, \$65.,K

Reible, D.D., Evaluation of contaminant losses from components of remediation alternatives for contaminated sediment, US Army Corps of Engineers, 3/92 - 7/93, \$31K

Reible, D.D., K.T. Valsaraj, L.J. Thibodeaux and T.E. Myers, Investigation chemical transport from contaminated sediment through porous containment structures, EPA through LSU Hazardous Substances Research Center (HSRC), 2/1/92-2/1/95, \$220K

Reible, D.D., K.T. Valsaraj, L.J. Thibodeaux and J.W. Fleegeer, Pollutant fluxes to aquatic systems via coupled biological and physicochemical bed sediment processes, LSU HSRC, 2/1/92-2/1/95, \$250K
Renewal, 5/1/95-4/30/97, \$200K, renewed 10/97-9/98, \$85K.

Thibodeaux, L.J., D.D. Reible and K.T. Valsaraj, Transport processes through interfaces, membranes and porous media ,NSF/LASER-EPScOR, 1/1/92-1/1/96, \$450K

Tittlebaum, M., D.D. Reible and R. Thompson (LaTech) Evaluation of potential hazard exposure resulting from doe waste treatment and disposal at res, US Department of Energy, 8/91-1/92, \$167K

Reible, D.D., Evaluation of contaminant losses from components of remediation alternatives for contaminated sediment, Batelle/Army Research Office, 1/91-6/92, \$30K

Thibodeaux, L.J., D.D. Reible, K.T. Valsaraj and X.Q. Wang, Experimental studies on the efficiency of capping contaminated bed sediment in-situ, LSU Hazardous Waste Research Center (HWRC), 1/11/90-1/10/93, \$145K

Reible, D.D. and T. Illangasekare, Transport of concentrated organics in the unsaturated and saturated zones below spill and dump sites, EPA and LSU HWRC, 1/86-1/93, \$354K, \$20K direct EPA

Constant, W.D., D.D. Reible, W. Bernard and S. Field, Evaluation of the mechanisms and rate of transport in deep-well injection strata, Underground Injection Practices Council and LA Chemical Assoc., 4/1/89-8/15/91, \$75K

McIlhenny, R.C. and D.D. Reible, Optimized computer-aided design for reaction-injection molding, LA Educational Quality Support Fund (LEQSF),7/1/87-12/30/90, \$280K

Collier, J.R., D.D. Reible and F.C. Knopf, Advanced materials characterization, manufacturing and processing, LEQSF, 7/1/89-6/30/90, \$285K

Reible, D.D., J.R. Collier and D.Nikitopoulos, Image analysis system, ARCO Chemical Company Foundation, 1/1/90-7/1/90, \$20K

Reible, D.D. and L.J. Thibodeaux, An experimental study for short range air dispersion of toxics from area sources, EPA and LSU HWRC, 1/1/86-1/1/89, \$122K, \$75K EPA direct

Thibodeaux, L.J. and D.D. Reible, Laboratory investigation of the natural recovery processes of marine sediment contaminated during off-shore drilling activities, LSU Center for Energy Studies (CES), 8/1/86-7/1/87, \$21.2K

Reible, D.D., Characterization of the transport and dispersion of the stack gases from the Lake Charles coal-fired power plant of Gulf States Utilities, Gulf States Utilities and LSU CES, 7/1/83-1/1/86, \$62K

IV. PARTICIPATION AT PROFESSIONAL MEETINGS

A. Presentations: More than 200 presentations at regional, national and international technical meetings

B. Organization and Chair of Technical Symposia

Chair of Symposia “Cap Modeling” Battelle Sediments Conference, Austin, TX January 2023

Chair of Symposia “Bioremediation in Sediments” Battelle Bioremediation Conference, Baltimore, MD May 2019

Chair of Symposia “B2. Cap Construction and Operation” Battelle Sediments Conference, New Orleans, LA February 2019

Chair, Industrial Water Reuse and Alternative Waters, ISWS Workshop, San Antonio, TX November 2018

Organizing Committee: TAMEST Annual Meeting Building a Sustainable Future for Texas, San Antonio, TX, January 2017

Chair of US UK Workshop on Environmental Implications of Unconventional Oil and Gas Development, Arlington, VA November 2015

Chair, Texas Water Summit: Securing our Economic Future, Austin, TX May 2014

Co-Chair of Workshop on Energy-Water Nexus, NSF, Arlington VA June 2013

Chair of Symposia “Bioremediation in Sediments” Battelle Bioremediation Conference, Jacksonville, FL June 2013

Chair “Texas Water Summit” Austin Tx, June 2012

Chair of Symposia “Contaminant Transport and Site Remediation” AIChE Annual Conference, November 2011

Chair of Symposia “Bioavailability of Sediment Contaminants” Battelle International Sediments Conference, February 2011

Chair of Symposia “ Environmental Transport and Remediation of Contaminated Sites” Annual Meeting of AIChE, November 2010

Chair of Symposia “Assessment of Bioavailability in Contaminated Sediments” SETAC Annual Meeting, November 2009

Chair of Symposia “ Environmental Transport and Remediation of Contaminated Sites” Annual Meeting of the AIChE, November 2009

Chair of Symposia “ Passive Sampling for the Assessment of Bioavailability” Annual Meeting of SETAC, Tampa, FL, November 2008

Chair of Symposia “Capping Contaminated Sediments” Annual Meeting of SETAC, Tampa, FL, November 2008

Chair of Symposia “ Fate and Transport of Contaminants” Annual Meeting of the AIChE, Philadelphia PA, November 2008

Chair of Symposia “ Active Capping of Contaminated Sediments,” International Battelle Conference on Contaminated Sediments, Jacksonville, FL, January 2008

Chair of Symposia “Contaminated Sediment Capping”, International Battelle Conference on Contaminated Sediments, Savannah, GA February 2007

Chair of Symposia “Fate and Transport of Contaminants”, Annual Meeting of the AIChE, San Francisco, CA, November 2006

Chair of Symposia “Site Assessment and Remediation” and “Managing Contaminated Sediments”, Annual Meeting of the AIChE, Cincinnati, OH, November 2005

Chair of Symposium “Environmental Transport and Fate of Chemicals,” Annual Meeting of the AIChE, Austin, TX, November 2004

Chair of Symposium “Chemodynamics”, Annual Meeting of the AIChE, San Francisco, CA November, 2003.

Chair of Symposium “Environmental Transport Processes- Experiments and Modeling”, Annual Meeting of the AIChE, Indianapolis, IN, November, 2002.

Chair of Symposium “Evaluation of Multimedia and Transport Processes,” Annual Meeting of the AIChE, Los Angeles, CA, November 2000

Chair of Symposium “ Bioavailability of Organic Contaminants in Sediments,” National Meeting of the Society for Environmental Toxicology and Chemistry, Philadelphia, PA, November, 1999

Chair of Symposium “Environmental Issues on the Gulf Coast”, National meeting of the American Chemical Society, New Orleans, LA, August 1999.

Chair of Symposium “Exposure, Risk Assessment and Risk Management”, Annual Meeting of the AIChE, Miami, FL, November 1998 and Annual Meeting, Dallas, Tx, November 1999.

Chair of Symposium “Managing Contaminated Sediments- What are the Options”, National meeting of the American Institute of Chemical Engineers, New Orleans, LA February, 1998

Chair of Session on Environmental Engineering, CHEMECA ‘94, Perth, Australia, September, 1994

Second Vice-Chair, First Vice-Chair, Chair and Past Chair of the Executive Board of the National Programming Committee of AIChE

Meeting Program Chairman, San Diego AIChE Summer National Meeting, August, 1990. The most successful AIChE Summer Meeting ever with more than 2700 people attending a technical program of 100 sessions focused on the environment, energy and safety.

Chairman of symposium on Remediation of Contaminated Sediments, AIChE National Meeting, August, 1992, Minneapolis, MN.

Vice-Chairman of symposium on Soils and Sediments, AIChE Annual Meeting, November, 1989, San Francisco, CA

Chairman of symposium on Non-Aqueous Phase Liquids in Soils, AIChE Spring National Meeting, April, 1989, Houston, TX.

Chairman of symposium on Chemical Engineering Fundamentals Applied to the Environment, AIChE Spring National Meeting March 1986, New Orleans, LA.

Chairman of symposium on Chemical Engineering Fundamentals Applied to the Environment, AIChE Summer National Meeting, August 1986, Boston, MA.

Chairman of symposium on Liquid Phase Oxidation of Wastewaters, AIChE Summer National Meeting, August,

1986, Boston, MA.

V. OTHER SCHOLARLY OR CREATIVE ACTIVITIES

A. Consulting (latest projects listed first)

Assessment of Lower Passaic River Contamination (2016-)

Advise Penobscot River Remedial Planning for PRPs (2016-)

Review of San Jacinto Proposed Remedial Plan for PRPs (2016)

Review of Willamette River remedial plans for State of Oregon (2015 -2016)

Expert witness on contaminant fate and behavior - Kalamazoo River, MI (2015)

Expert witness on contaminant fate and behavior – Hercules facility, Hattiesburg, MS (2015-2017)

Expert witness on atmospheric dispersion of contaminant from fire – Westlake, LA (2014-2016)

Sediment remedial planning for potentially responsible parties

Gowanus Canal, NY (2013 -)

Newtown Creek, NY (2011 -)

Grand Calumet, IN (2013-2015)

Grand Island Bay, LA (2013)

Escanaba, MI, (2013)

Ansul facility, Menominee, WI (2011-2013)

Cavendish Forest Products Facility, Gulfport MS (2010-2011)

Berry's Creek, Meadowlands, NJ (2010-2013)

Containment and restoration planning Hg containing submarine, U 864 (2007-2014)

Research for a sustainable future for Qatar for the Qatar Foundation (2011)

Technical resource for EPA, Grasse River, Massena, NY (2008-2012)

Capping component of Hudson River remediation, New York (2010-2011)

Willamette River Remedial Planning for City of Portland, OR (2010-2013)

Prior to 2010

Expert Witness for Ammonia Release, Syngenta, San Gabriel, LA

Remedial planning/design of Zidell Marine Services, Portland OR

Expert witness for EDC spill Conoco Refinery, Lake Charles, LA

Remedial planning for Gas Works Site, Seattle, WA

Preliminary review, natural resource damages, Hudson River, NY

Remedial planning, Fox River, Green Bay, WI

Preliminary remedial planning, Titabawasee River Remediation, Midland,

MI Expert Witness for Chemical Plant Fire in Lake Charles, LA

Consulting for Geodesign on Ross Island monitoring, Portland, OR

Expert Witness for gasoline spill and fire, Shreveport, LA

Expert Witness for Dioxin transport and fate in the atmosphere, Delisle, MS

Review of remedial plans, Sydney Tar Ponds, Canada

Review of remedial plans for Silver Lake, MA

Review of remedial plans for Hastings Site, Hudson River, NJ Remedial planning for Jersey City Chromium contaminated site, NY

Peer review of Grasse River capping demonstration ice scour, Massena, NY

Remedial planning Onondaga Lake, Syracuse NY

Review of remedial plans, Thea Foss Waterway, Tacoma, WA

Expert witness on phenol fire release and exposures, Plaquemine, LA

Expert witness on leaking underground storage tank in Monroe, LA

Expert witness on acid gas release and exposures, San Gabriel, LA

Expert witness on trimethylamine chemical release in San Gabriel, LA

Expert panel developing remedial plans for the Lower Fox River- Appleton Paper, WI

Remedial planning - Citgo/Occidental Corporations, Lake Charles, LA

Expert witness on exposure and impact of contaminant migration from Bayou Sorrel landfill

Expert witness on ammonia releases from chemical facilities in San Gabriel, Louisiana

Expert witness on emergency release of allyl chloride from a chemical facility in Pearl River, Louisiana

Remedial planning and review of capping of Pine Street Canal sediments, Burlington, VT

Expert witness on grain dust dispersion around a grain elevator, Louisiana

Review Panel, Feasibility Study for National Resource Damage Assessment, Fox River, WI Peer reviewer for EPA Technical Services Center

Expert witness on dispersion of combustion products from rail tank car fire, New Orleans, LA

Consultant on regulation of oilfield wastes, LA Department of Natural Resources

Consultant on soil contamination by aviation fuels, Macot (Sydney,Aust) Airport

Expert consultant on environmental exposures, Novartis, Corp.

Expert witness on stack dispersion of sulfur dioxide and hydrogen sulfide, Chalmette, L

Expert witness on sulfuric acid fume emissions and downwind dispersion, Norco, LA

Consultant on assessment of soil contaminated with gasoline, Cooma, NSW, Tweed Heads, NSW, and Trial Bay, NSW, Shell Australia and CALTEX

Consultant on off-site migration of oil-field waste contaminants, Cambell Wells, Inc.

Expert witness on resident's exposure to refinery explosions and fires, Chalmette, LA

Consultant on dispersion of carbon monoxide at exits of roadway tunnel in Sydney, NSW, GHD Pty Ltd.

Consultant on assessment of contaminated sediments in Homebush Bay, Sydney, Australia, CH2M-Hill

Consultant on atmospheric dispersion of styrene for Australian Defense Industries

Consultant on sediment contamination in Sydney Harbor, CH2M-Hill.

Consultant on estimating equilibrium properties of environmental pollutant mixtures for Anderson-Nichols,

Consultant on gasoline movement from leaking underground storage tanks for CDM, PEI and the EPA. Panel reviewer of EPA programs on leaking underground storage tanks

Review of EPA screening models for oily wastes applied to landfills.

Consultant on groundwater remediation plans for BASF Corporation
Consultant on oily wastes in surface waters for Aqua-Terra Corp. and the EPA.
Consultant and peer reviewer on in-situ vacuum extraction of mixed wastes at INEL
Consultant on soil fumigants and methyl bromide releases to the environment

B. Short Courses

Capping Design -The art of designing of isolation layers to reduce environmental risk associated with contaminated sediments (with Espen Eck, Norwegian Geotechnical Institute)
2015 Battelle Sediment Conference
2017 Battelle Sediment Conference
2019 Battelle Sediment Conference

Smart from the Start: Addressing Wicked Problems at Contaminated Sediment Sites for EPA April
2011 – Chicago IL
May 2011 – New York, NY June
2011 – Seattle, WA

CETCO Remediation University November 2008
Newark, NJ November 2009 Portland,
OR October 2010, San Francisco, CA

Contaminated Sediments: What are the options and how do we select them?
September 2007 Portland OR
October 2007 Atlanta GA

Remediation of Contaminated Sediments
EPA Region 1, August 2005, Boston MA
EPA Region 2, October 2005, New York, NY EPA
Region 5, November 2005, Chicago, IL

Contaminated Sediments, October 15, 2000, 16th Annual International Conference on Contaminated Soils, Sediments and Water, Amherst, MA

Bioavailability - How Clean is Clean, October 9, 1999, Water Environment Federation WEFTEC Workshop, New Orleans, LA

Chemical Dynamics and Site Assessment, February 7-10, 1995, Hong Kong Polytechnic University, Hong Kong

Chemical Dynamics in the Environment, December 5-9, 1994, Hotel Konrad, Broadbeach, Queensland, Australia.

Chemodynamics, December 6-7, 1982, LSU (with Dr. T. Marrero, U of Missouri, and Dr. L. Thibodeaux, U of Arkansas)

Hazardous Waste- Movement of Chemicals in Air, Water and Soil, June 11-12, 1985 and March 18-19, 1986, LSU (with Dr. T. Marrero, U of Missouri and Dr. L. Thibodeaux, LSU)

Transport and Fate of Chemicals in the Environment, AIChE Continuing Education Course, Taught 1-2 times per year (with L. Thibodeaux and J. Clarke)

C. Other Professional Activities

Faculty Advisor, LSU student chapter of AIChE (1984-1987)

Faculty Advisor and Founder, LSU student chapter of Omega Chi Epsilon

President, LSU Zenith Users Group (1984-1989)

Reviews of papers for, Nature, AIChE Journal, Chemical Engineering Communications, Chemical Engineering Journal, Chemosphere, Journal of Environmental Quality, International Journal of Soil and Sediments, Journal of the Air and Waste Management Association, International Journal of Exposure Assessment and Monitoring, Journal of Environmental Engineering, Journal of Environmental Forensics, Journal of Hydraulic Engineering, Journal of Hazardous Materials, Journal of Nanoparticle Research, Boundary Layer Meteorology, the Soil Science Journal of America, American Chemical Society, Environmental Science and Technology, Water Research, Water Resources Research, Water Science and Technology, Heat Transfer Engineering, International Journal of Heat and Mass Transfer and the American Society of Mechanical Engineers, books for the AIChE Journal and Waste Management, reports for the U.S. Department of Interior and the US Environmental Protection Agency and proposals to the Civilian Research and Development Foundation, Environmental Protection Agency, National Science Foundation, Strategic Environmental Research and Development Program, Canadian Foundation for Innovation, Hudson River Foundation, New Mexico Water Resources Institute, West Virginia and South Carolina EPSCoR programs and the LSU Center for Energy Studies.

VI. INVITED LECTURES

Ecofluvial Dynamics – Managing the Three Parallel Rivers for Human and Ecological Needs, Invited Lecture, Ecohydraulics workshop, Lijiang, China, January 2024

Management of black and odorous waters, Invited lecture, Southern University of Science and Technology, Shenzhen, China, July 2023

Sustainable Sediment and Water Management – Keynote Lecture as part of the Symposium on Sediment and Water Management held in honor of Dr. Danny Reible, ACS National Meeting, August 2022

Managing Water Availability – Chalmers University, Gotenberg Sweden, September 13, 2019

Managing the Physical, Chemical and Ecological Challenges of Sediments, Tsinghua University, Beijing, China, July 12, 2019

Managing the Physical, Chemical and Ecological Challenges of Sediments, Harbin Institute of Technology, Shengzhen, China, July 2, 2019

Innovations in Sediment Assessment and Remediation, Northeastern University, Boston, MA, March 17, 2019

Sustaining Water Availability in Rural Communities -Expanding brackish water use, Invited Lecture AIChE Water Workshop, November 15, 2018

Remediation of Surface Water and Sediments, Three Gorges, University, Yichang, China, July 14, 2018

Eco-Fluvial Dynamics, Tsinghua University, Beijing China, July 5, 2018

Challenges of Water Availability, ACS Lawler Symposium, March 18, 2018

ACS Presidential Forum Lecturer “Meeting Future Water Needs : Addressing the Challenges of Water Quality & Availability” –New Orleans, March 2018

Kappe Lecture - Challenges in Water Availability
University of Oklahoma, April 2017
Arizona State University, September 2017
University of Tennessee, September 2017

Vanderbilt University, September 2017
Clemson University, September 2017
Duke University, September 2017
University of Cincinnati, October 2017
Carnegie Mellon, October 2017
Lehigh University, October 2017
Lafayette College, October 2017

Kappe Lecture - Innovations in Sediment Assessment and Remediation
New Jersey Institute of Technology, March 2017
University of Oklahoma, April 2017
Chicago Water Reclamation District, June 2017
Washington University, St Louis, October 2017
Oregon State University, October 2017

Where are the Breakthrough Technologies – How We Go From Test Bench to Utility-Scale Implementation?,
Invited Lecture American Academy of Environmental Engineers and Scientists, April 13, 2017

Innovations in Passive Sampling for Bioavailable Contaminants in Sediments, Invited Lecture, J. Schnoor
Symposium, ACS, San Francisco, CA April 3, 2017

Challenges and Opportunities for Use of Concentrated Oil Field Brines and Brackish Groundwaters, Invited
Lecture, East China Normal University, Shanghai, China July 2016

Sustaining Water Quality and Availability in An Era of Scarcity, Invited Lecture, University of Texas at
Arlington, March 2016

Water Management for Hydraulic Fracturing, SETAC Specialty Meeting on Hydraulic Fracturing, Denton, TX
March 2016

Water Management for Hydraulic Fracturing, ACS Spring meeting, San Diego, CA, March 2016 (delivered by
V. Uddameri)

Sustaining Water Quality and Availability in An Era of Scarcity, Invited Lecture, Universidad, Havana Cuba,
February, 2016

Sustaining Water Quality and Availability in An Era of Scarcity, Invited Lecture, North China University of
Science and Technology, January 2016

General Analytical Solution for Transport In Finite Multi-Layered Porous Media, Amundson Lecture,
University of Guadalajara, Nov 2015

Managing the Legacy of Contaminated Sediments, Amundson Lecture, University of Guadalajara, Nov 2015

Sustaining Water Quality and Availability in An Era of Scarcity, Invited Lecture, Argonne National
Laboratory, July 2015

Long Term Risks of Oil Spills, Keynote Lecture, 6th European Bioremediation Conference, Xania, Crete, July
2015

Impacts of Oil and Gas on the Coastal Zone, Invited Lecture, 6th European Bioremediation Conference,
Xania, Crete, July 2015

Sustaining Water Quality and Availability in An Era of Scarcity, Invited Lecture, Shanxi University, Taiyuan
China, June 2015

Hydraulic Fracturing: Minimizing Impacts on Water Availability, Invited Lecture, NRC Chemical Roundtable Workshop on Hydraulic Fracturing, Washington DC May 2015

The Challenges of Water Availability, Can we Eat, Drink AND Turn on the Lights?, Keynote Lecture at International Congress on Sustainability and Sustainable Engineering, May 2015

The Energy Water Food Nexus, Invited Lecture, Santiago, Chile, November 2014

Water and Hydraulic Fracturing, Crook's Branch Workshop on Hydraulic Fracturing, November 2014

Managing Water Availability, Invited Lecture, IEEE, Washington DC, September 2014

Sustainable Sediment Management, 4th International Conference on Aqua Science and Water Resources, Taiyuan, China, August 2014

Water Availability in an Increasingly Water Stressed Environment, Advanced Study Institute Fellow Lecture, University of Bologna, May 2014

Water Management for Hydraulic Fracturing for Oil and Gas, Workshop on Clean Water Matters, Beijing China, April 2014

Sediments and Submarines: Indiana Jones and Environmental Engineering, Florida International University, March 2014

Assessing Contaminant Availability and Fate in Sediments, Notre Dame, February 2014

New Technologies for Sediment Assessment and Remediation, Arcadis Sediment Seminar, February, 2014

The Treatment and Reuse Experience in the United States, Workshop on Science and Technology to Enable Treatment and Reuse of Shale Water, Guiyang, China Oct 2013

Managing Water Availability in an Increasingly Water Stressed Environment, TAMU, October 2013

Water: the Present and Future in Texas, Binational Water Conservation Conference, Laredo TX, March 2013

Texas Water Management: A Path toward Sustainable Solutions, The Academy of Medicine, Engineering and Science of Texas, January 2013, Dallas, TX

Biotransformation, Biodegradation and Bioremediation Processes in Sediments, Tianjin University of Technology, Tianjin, China, June 2012

Sediment Assessment and Management, Lecture Series, Tsinghua University, Beijing, China, June 2012

Chemical Engineering at the Sediment-Water Interface, 14th Asian Pacific Confederation of Chemical Engineering (APCChe), Singapore, Feb 2012

Greening Solid Waste Management Operations, Plenary Lecture, International Solid Waste Association, Daegu Korea, October 2011

The Aftermath of the Deepwater Horizon Spill, Plenary Lecture, 2011 National Environmental Measurement Conference, Seattle, WA Aug 2011

Biotransformation and Biodegradation Processes in Sediment Caps, Plenary Lecture, 5th European Conference on Bioremediation, Chania, Crete, July 2011

Assessing and Managing Contaminated Sediments, Dalian University, Dalian, China, June 2011

Biotransformation and Biodegradation Processes in Sediments, World Congress on Marine Biology, Dalian, China, May, 2011

Assessing and Managing Contaminated Sediments, Tsinghua University, Beijing, China, June 2011

Biotransformation and Biodegradation Processes in Sediment Caps, Plenary Lecture, 14th International Biotechnology Symposium, Rimini, Italy, September 2010

Assessing and Managing Contaminated Sediments, Nanqiang Lecture, Xiamen University, June 2010

Assessing and Managing Contaminated Sediments, Yangtze University, June 2010

Assessing and Managing the Bioavailability of Sediment Contaminants, University of Iowa, December 2009

Passive Sampling for the Assessment of Mobility and Availability of Contaminants”
Missouri University of Science and Technology, September 2008
University of Maryland, Baltimore County, November 2008

Design Considerations for Active Sediment Caps, Plenary Lecture at 1st International Conference on Hazardous Waste management, Crete, September 2008

Availability and Mobility of Contaminants in Sediments
University of Minnesota, Minneapolis, MN, November 2007
Utrecht University, Utrecht, Netherlands October 2007
Johns Hopkins University, Baltimore, MD, October 2007

Managing Sediment Contaminants, Southwest Research Institute, San Antonio, TX, April 2007

Availability and Mobility of Contaminants in Sediments, UT San Antonio, March, 2007

Defining the Availability of Contaminants in Sediments, University of Texas Marine Science Institute, Port Aransas, TX, 12/ 2006

Passive Sampling for the Assessment of Bioavailability in Sediments, Partners in Environmental Technology Forum, Washington DC 12/2006

Contaminated Sediment Management, Texas A&M Kingsville, 11/2006

Engineering and Policy Lessons Learned from Hurricane Katrina,
University of Sydney, AUS 10/2006
University of New South Wales, Sydney, AUS 10/2006

Defining the Availability of Contaminants in Sediments, Nankai, University, Tianjin, China, 9/2006

Managing Contaminated Sediments, Tianjin University, Tianjin, China, 9/2006

Bioavailability and bioaccumulation of PAHs in sediments
Texas Tech University, 2/2006
Arizona State University, 2/2006

Defining the availability of contaminants in sediments, University of Buffalo, 11/2005

Bioaccumulation and bioavailability of contaminants in sediments, Jackson School GeoSciences, October 2005

Managing Risks from Contaminated Sediments, University of Guadalajara, Guadalajara, Mexico January 2005

Benthic Organisms and Contaminant Flux, Uptake and Availability American Society of Limnology and Oceanography, Honolulu, Hawaii, February, 2004

Bioavailability of Contaminants in Sediments, Rice University, March 2004

Contaminated Sediments: Are We Managing?, University of Texas, Austin, January 2004

Contaminated Sediments: The Role of Sequestration and Availability in Defining Risk, University of Texas, Austin, December 2003

Sequestration and Bioavailability of PAHs Sediments

3/03 - University of South Carolina

12/02 - University of Texas at El Paso

11/02 - University of Michigan

10/02 - Mississippi State University

Bioavailability and biodegradation of PAHs by benthic organisms 10th International Biotechnology and Bioremediation Symposium, July 2002, Prague, Czech Republic

Where do we go from here? University of Arkansas, April 2002.

Sequestration and Bioavailability of PAHs in Sediments, American Geophysical Union Annual Meeting, San Francisco, CA, December 2000

Sequestration and Bioavailability of PAHs in Sediments, Hanyang University, Seoul, Korea, November 2000

Trends in Industrial Waste Management in the United States, Invited Lecture, Korean Solid Waste Engineering Society, Taegu, Korea, November 2000

Management of Oil and Gas Exploration and Production Waste, Kyongii University, Seoul, Korea, Anyang University, Anyang, Korea and Korean Solid Waste Engineering Society, Taegu, Korea, November 2000

Contaminated Sediment Management - Still an Oxymoron” Korean Environment Institute, Seoul, Korea, November 2000

Sequestration and Bioavailability of PAHs in Sediments, Society of Environmental Toxicology and Chemistry, Nashville, TN, November 2000

Natural Processes in Sediments 16th Annual International Conference on Contaminated Soils, Sediments, and Water, Amherst, MA, October 16, 2000

Contaminated Sediment Management - Still an Oxymoron, National Hazardous Substance Research Centers Conference, Asilomar, CA, July 2000

Sequestration and Bioavailability of PAH Contaminants in Sediments, California Institute of Technology, Pasadena, CA, March, 2000

Managing Contaminated Sediments, Kansas State University, Manhattan, KS, February 1999

Assessing Exposure in the Coastal Environment, Michigan State University, September, 1997

Exposure Assessment in the Coastal Environment, Tulane University, March, 1997

Biological Processes in Sediments, 5th International Conference on Energy and the Environment, Cairo, Egypt, June 1996

Contaminant Transport in Sediments -Are Biological Processes Important? University of Arkansas, January, 1996

The Influence of Biological Processes on Contaminant Transport in Sediments, Plenary Lecture, 4th Environmental Conference, Darwin, Australia, July 1995.

A New Framework for Environmental Engineering graduation speech, Faculty of Engineering, University of Sydney, March, 1995

War and the Environment, joint meeting of the Institute of Engineers, Australia and the Institution of Chemical Engineers, Sydney, February, 1995

Organic Contaminant Migration from Freshwater Sediments, University of Sydney, Department of Chemistry, October, 1994

Perspective on Remediation of Contaminated Sites, Australian Institute of Petroleum, Sydney, Australia, October, 1994.

Flow and Transport in the Sea Breeze, University of Western Australia, September, 1994

Colloid Influences on Organic Contaminant Transport in Porous Media, Soil Science Society, Sydney, Australia, September, 1994

Fate of Methyl Bromide after Soil Fumigation, University of Sydney, Department of Agricultural Chemistry, August, 1994

Environmental Engineering Education- Aid or Hindrance, Environmental Branch of the Institute of Engineers, Australia, November, 1993

Contaminant migration in the coastal environment", University of New South Wales, Monash University, University of Melbourne and Queensland University, 1993

"Contaminant transport and fate processes in coastal regions, University of Sydney, Sydney, Australia, August, 1992

Migration and Fate of Nonaqueous Phase Liquids in the Subsurface,
Cambridge University, UK March 1991
Heriot-Watt University, UK April 1991
University of Exeter, UK May, 1991

Contaminant Transport in River and Estuarine Sediments, Swansea University, UK, February, 1991

Current Environmental Contaminant Fate and Transport Research, Lecture series Institute for Experimental Meteorology, Obninsk, USSR, October 8-22, 1988

The State of the Student, or Who are These Students Anyway, Union Carbide University Representatives, New Orleans, LA, September 23, 1988

Subsurface Contamination by Multiphase Processes: Research and Policy Implications for the EPA, AAAS Environmental Science and Engineering Fellow Seminar, EPA, Washington, D.C., August 1987

Multiphase Flow and Ground-Water Contamination, USGS, Reston, VA, July 1987

Contaminant Transport in Soils and Sediment, Shell Development Corporation, Houston, TX, March, 1987

The Boundary Element Method and Applications to Environmental Transport, Rice University, November, 1986 and the University of Florida, Gainesville, FL, February, 1987

Modeling Convective Transport in River Sediments, University of Houston, Houston, Texas, February, 1986

Characterization of the Transport and Dispersion of Pollutants from a Coal-Fired Power Plant in Louisiana, Southern University, Baton Rouge, Louisiana, April 1985

VII. THESES/DISSERTATIONS DIRECTED

Postdoctoral Research Associates Directed by Danny Reible

1. Soraya Honarparvar, (2019-2020) PhD in Chemical Engineering, Texas Tech
Employment: Aspen Technologies, Boston MA
2. Ke Wu, (2018-2020) PhD Nanjing University, China
Employment: Texas Tech University
3. Yan Liu (2017-2019) PhD in Hydraulic Engineering, Tsinghua University
Employment: Southern University of Science and Technology, Shengzhen, China
4. Xiaolong Shen (2017-) PhD in Chemical Engineering, University of Texas
Employment: Texas Tech University/Arcadis
5. Campbell, Ryan (2016-2022) PhD in Engineering Education, University of Washington
Employment: Texas Tech University
Currently Instructor and Research Faculty
6. Rakowska, Magdalena (2014-) PhD in Civil Engineering, University of Wageningen, NL
Employment: Texas Tech University, Lubbock, TX Employment Envirostatus/TTU
7. Rao, Balaji (2014-) PhD in Civil Engineering, Texas Tech University
Employment: Texas Tech University, Lubbock, TX
8. Oleszczuk, Patryk (2016-2017) PhD Environmental Protection, Agricultural University, Lublin
Employment: University of Maria Skłodowska-Curie, Lubin, Poland
9. Schierz, A. (2011-2015) PhD in Chemistry, University of Dusseldorf
Employment: Exponent, Inc., Boston MA
10. Lu, XiaoXia (2003-2013) PhD in Chemical Engineering, LA State University
Employment: Texas Commission on Environmental Quality, Austin, TX
11. Lampert, D. (2010-2011) PhD in Civil Engineering, University of Texas
Employment: Illinois Institute of Technology, Chicago, IL
12. Hong, Y. S. (2010) PhD in Civil Engineering, University of Texas
Employment Korea University, Sejong City
13. Ma, Samuel, (2006-2008) PhD on Civil Engineering, Univ of Missouri-Rolla
Employment, Texas A&M University, College Station, TX
14. Chai, Y.Z (Joe) (2004-2006) PhD in Chemical Engineering, LA State University

- Employment Dow Chemical Co, Midland MI
15. Kochetkov, Valentin (1998-2003) PhD in Physics, Moscow State University
Employment TYPHOON, Obninsk, Russia
 16. Savant, Anne (1993-1995) PhD in Chemical Engineering, LA State University
Employment: BASF, Houston TX (Ret)
 17. Valsaraj, KT (1986-1991) PhD in Chemistry, Vanderbilt University
Employment LA State University, Baton Rouge, LA (Vice Provost for Research, Ret.)

Dissertations Completed under the Direction of Danny Reible

1. Alborzi, Ashkan, “Improving the Assessment and Treatment of Poor Quality Waters”, PhD in Civil Engineering, Texas Tech University, August 2024 Employment: CDM Smith
2. Abaie, Elham, “Selective Sorption of Groundwater Contaminants using Novel Macrocyclic Materials”, PhD in Civil Engineering, Texas Tech University, December 2023 (with Yuxiao Shen) Employment: Mining Chemicals
3. Hussain, Tariq, “Availability and Mobility of Legacy and Emerging Organic Contaminants in Stormwater” PhD in Civil Engineering, Texas Tech University, August 2023 Employment: Haley & Aldrich
4. Ziaei, Hasti Jam “Mercury Mobility and Bioavailability in Sediments Subject to Periodic Inundation and Drainage” PhD in Civil Engineering, Texas Tech University, August 2023. Employment: Geosyntec
5. Garza-Rubulcava, Uriel, “Characterization of Contaminant Fate and Transport Processes in Sediments and Aquifers Through High-Resolution Passive Sampling” PhD in Chemical Engineering, Texas Tech University, August 2022 Employment: Brown University
6. Tianyu, Chen, “Modeling Fixed Charge Membrane Separation Processes”, PhD in Chemical Engineering, Texas Tech University, August 2022 Employment: SPGlobal
7. Smith, Alex, “In-Situ Passive Sampling for the Evaluation and Management of Hydrophobic Organic Compound Contaminated Sediment”, PhD in Civil Engineering, Texas Tech University, May 2022 Employment: BP
8. Afroz, Khursida, “Equilibrium Electrosorption Behavior in a Capacitive Electrode for Water Desalination” PhD in Chemical Engineering, Texas Tech University, August 2021 Employment: Intel
9. Zhang, Xin, “Modeling Desalination Performance and Energy Behavior of Membrane Capacitive Deionization” PhD in Chemical Engineering, Texas Tech University, May 2021
10. Odetayo, Adesewa, “Development and Application Of Passive Samplers For Assessing Air And Freely Dissolved Concentrations Of Hydrophobic Organic Contaminants”, PhD in Civil Engineering, Texas Tech University, December 2020 Employment: EHS Support
11. Drygiannaki, Ilektra, “Assessment of Stormwater Metals on Receiving Water Sediment Recontamination,” PhD in Civil Engineering, Texas Tech University, August 2020. Employment: Geosyntec
12. Pagnozzi, Giovanna (co advised with K. Millerick), “Evaluating the influence of capping materials on composition and biodegradation activity of benthic microbial communities: Implications for designing

- bioreactive sediment caps”, PhD in Civil Engineering, Texas Tech University, August 2020.
Employment: Geosyntec
13. Athanasiou, Dimitrius, “Effects of Polycyclic Aromatic Hydrocarbons in Urban Stormwater on Receiving Sediment”, PhD in Civil Engineering, Texas Tech University, August 2019 Employment: Exponent
 14. Honarparvar, Soraya, “Thermodynamic Modeling and Management of Saline Waters” PhD in Chemical Engineering, Texas Tech University, August 2019 Employment: Aspent Technologies
 15. Yan, Songjing, “Applications of Passive Sampling Technology in HOC Contaminated Sediment Management and Remediation”, PhD in Chemical Engineering, Texas Tech University, December 2018 Employment: Geosyntec
 16. Vrtlar, Tea, “Optimization of DGT Methyl Mercury Recovery; Bank Leaching Assessment And Evaluation Of Stabilization Efforts On Mercury Fate And Transport In Freshwater Systems”, PhD in Civil Engineering, Texas Tech University, August 2018 Employment:
 17. Shen, Xiaolong “Developing Models for the Assessment and the Design of the In situ Remediation of Contaminated Sediments” PhD in Chemical Engineering, University of Texas, December 2017
Employment: Texas Tech, Arcadis
 18. Bireta, Paul “Application of Diffusive Gradient in Thin-Film Passive Samplers to Assess Mercury Availability and Mobility in a Fresh Water River System”, PhD in Civil Engineering, University of Texas, August 2015 Employment: Chevron
 19. Azhar, Wardah, “Evaluation of Sorbing Amendments for In-situ Remediation of Contaminated Sediments”, PhD in Civil Engineering, University of Texas, August, 2015 Employment: Parsons
 20. Thomas, Courtney, “Passive Sampling to Evaluate Performance of in situ Sediment Remediation,” PhD in Civil Engineering, University of Texas, December, 2014 Employment: Geosyntec
 21. Yan, Fei, “PAH Degradation and Redox Control in an Electrode Enhanced Sediment Cap”, PhD in Civil Engineering, University of Texas, August 2012 Employment: Solenis
 22. Smith, Anthony, “Microbiological Activity and Organic Pollutant Fate and Transport in Sediments and Sediment Caps,” PhD in Civil Engineering, University of Texas, June 2011 (graduation August 2011) (with MJ Kirisits) Employment: Geosyntec
 23. Lampert, David “An Assessment of the Design of In Situ Management Approaches for Contaminated Sediments,” PhD in Civil Engineering, University of Texas, May, 2010
Employment: Illinois Institute of Technology, Chicago, IL
 24. Hong, YongSeok, “Experimental and Mathematical Investigation of Dynamic Availability of Metals in Sediments” PhD in Civil Engineering, University of Texas, December 2009 (with K. Kinney) Employment: Korea University
 25. Johnson, Nathan, “Mercury Methylation Beneath An In-Situ Sediment Cap” PhD in Civil Engineering, University of Texas, August 2009 (with L. Katz) EMPLOYMENT: University of Minnesota, Duluth
 26. Nabatilan, Marilou, “Granular Activated Carbon Sorption As A Load Equalization Mechanism In Operation Of Air Pollution Control Devices”, PhD in Engineering Science, May 2009, Louisiana State University (with W. Moe) Employment: Wink Engineering
 27. Yin, Ming, “Measurement Of Metal Migration In Sediment Caps With X-Ray Fluorescence”, PhD in

- Chemical Engineering, Louisiana State University (with C. Willson) Employment: Baton Rouge, LA
28. Chai, Youn Zhou, "Thermodynamic and Kinetic Studies on the Sorption and Desorption of Hydrophobic Organic Contaminants in Sediments, PhD in Chemical Engineering, Louisiana State University, June 2005, EMPLOYMENT: Dow Chemical Company, Midland, MI
 29. Lu, Xia Xiao, "Bioavailability of Desorption Resistant Fraction of PAHs to Deposit Feeding Tubificid Oligochaetes", PhD in Chemical Engineering, Louisiana State University, December 2003, Employment: Texas Commission on Environmental Quality
 30. Peters, Greg, "Selenium in sediments, pore waters and benthic infauna of Lake Macquarie, New South Wales, Australia", PhD in Chemical Engineering, 1999, Employment: Chalmers University, Sweden
 31. Choy, Bruce, "Volatile Emissions of Organic Contaminants from Soils and Sediments, " PhD in Chemical Engineering, University of Sydney, October 1999, Employment: Global Risk Institute, Toronto, Canada
 32. deSeze, Guilhelm, "Sediment-Air Partitioning of Hydrophobic Organic Chemicals," PhD in Chemical Engineering, Louisiana State University, May, 1999, (With K.T. Valsaraj) Employment: Research Engineer, Procter and Gamble, Belgium
 33. Cheah, Elaine Poh Sim, Distribution and Remediation of Organic Contaminants in Soil", PhD in Chemical Engineering, University of Sydney, April, 1999, Employment: Environmental Engineer, Sydney, Australia
 34. Thoma, Greg, "Studies in the Diffusive Transport of Hydrophobic Organic Chemicals in Bed Sediments", Ph.D. in Chemical Engineering, Louisiana State University, May, 1994 (with LJ Thibodeaux). Employment: Professor of Chemical Engineering, University of Arkansas
 35. Doshi, Dharmesh Vinaychandra, "Modeling Vertical Migration of Non-Aqueous Phase Liquid Wastes in Unsaturated Soils", Ph.D. in Chemical Engineering, Louisiana State University, May, 1994., Employment: Environmental Manager, India
 36. Koo, Youn-Seo, "Pollutant Transport in Buoyancy Driven Atmospheric Flows", Ph.D. in Chemical Engineering, Louisiana State University, December, 1993. Employment: Professor of Environmental Engineering, Anyang University
 37. Lo, Yu-Wen, "Three Dimensional Modeling of Reaction Injection Molding", Ph.D. in Chemical Engineering, Louisiana State University, December, 1991. (With John Collier) Employment: Unknown
 38. Rhee, Seung-Whee, "Modeling the Effect of Shale Heterogeneities on Hazardous Waste Transport in Deep Well Disposal Systems", Ph.D. in Chemical Engineering, Louisiana State University, December, 1991. Employment: Professor of Environmental Engineering, Kyongii University
 39. King, John A., "Natural Convection Above Heated Inclined Surfaces", Ph.D. in Chemical Engineering, Louisiana State University, December, 1989. Employment: Retired
 40. Savant-Malhiet, S. Anne, "Modelling of Passive Contaminant Transport in River Sediments", Ph.D. in Chemical Engineering, Louisiana State University, December, 1988. EMPLOYMENT: Dow Chemical Co. Baton Rouge, LA

MS Theses Completed under the Direction of Danny Reible

1. Liang, Chuan, "A Novel Iron Amended Cellulosic Material for Treatment of Arsenic Contamination in Water", Texas Tech University MS Thesis August 2017

2. Bejar, Michelle, "Use of Diffusion Gradient in Thin Film Devices to Assess Mercury Bioavailability and Bioaccumulation in Tubificid Organisms" Texas Tech University MS Thesis August 2017
3. Nomaan, Sheik Mohammed, Preliminary Assessment Of Chlorobenzenes Fate And Transport In Sediment Environment, MS Thesis, Texas Tech University, August 2016 Employment: University of Texas
4. Offut, Alyssa, "The interaction of benthic oligochaetes, *T. tubifex*, with mercury impacted sediments: An assessment of bioaccumulation and biogeochemistry", MS Thesis, University of Texas, May 2014 Employment: Geosyntec
5. Dunlap, Patrick, "Evaluating Organic Compound Sorption to Several Materials to Assess Their Potential as Amendments to Improve In-Situ Capping of Contaminated Sediments," MS Thesis, University of Texas, June 2011 Employment: Black and Veatch
6. Kuriakose, Elizabeth, "Evaluating Sediment Cap Performance with PDMS Profilers: Field Study of McCormick and Baxter Superfund Site" MS Thesis, University of Texas, August 2010 Employment: Tox Strategies
7. Chess, Timothy "Laboratory Optimization and Field Demonstration of Diffusive Gradients in Thin Films for In-Situ Mercury Measurements of River Sediments" MS Thesis, University of Texas, August 2010 Employment: US ARMY
8. Jordan, Matt "Development of a Screening Model for the Migration of Contaminated Soil Vapor into the Indoor Air Environment", MS in Environmental and Water Resources, University of Texas, May, 2010 EMPLOYMENT: CH2M Hill
9. Trejo, Gabe "The Evaluation of Sorbent Containing Geotextiles for the Remediation of PAH and NAPL Contaminated Sediment, MS in Environmental and Water Resources Engineering, University of Texas, August, 2009 Employment: Malcolm Pirnie
10. Jasmine Dufreche, "Evaluation of Organoclay As an Active Capping Amendment for Control of Dissolve PAH Contamination" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 Employment: University of Louisiana-Lafayette (Lecturer)
11. Casey Forrest "Evaluation of Biopolymer Coated Sands As Capping Materials" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 Employment: AnchorQEA, Austin, TX
12. Lisa Moretti "Evaluation of Capping NAPL-Contaminated Sediments" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 Employment: ERM, Austin, TX
13. William Sarchet "Effects of a Thin Layer Sand Cap on Bioavailability And Bioaccumulation in Sediments" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 Employment: Consulting, Austin, TX
14. Skwarski, Alison "Demonstration and Evaluation of Solid-Phase Microextraction for Assessment of Contaminant Mobility and Bioavailability" MS in Environmental and Water Resources Engineering, University of Texas, May 2007 Employment: Arcadis, Ann Arbor, MI
15. Drake, Brian, "Bioavailability and Trophic Transfer of PAHs and PCBs," MS in Environmental and Water Resources Engineering, University of Texas, May 2007 Employment: CH2M-Hill Idaho

16. Moderow, Shawn “Zero-valent Iron’s Effectiveness at Dehalogenating Chlorobenzenes and its Feasibility as a Reactive Cap,” MS Environmental and Water Resources, University of Texas, December 2006
Employment: Environeering, Inc., Houston, TX
17. Smith, Tony, “Effects of Bioturbation on the Bacterial Community in Contaminated Sediment”, M.S. in Civil Engineering, The University of Texas at Austin, August, 2006 EMPLOYMENT: PhD student, University of Texas (with Mary Jo Kiristis) Employment: Geosyntec
18. Khanam, Aiahsa, “Assess Feasibility of Organoclay to retain NAPL (Non Aqueous Phase Liquid) in sediment beneath a cap” M.S. in Civil Engineering, The University of Texas at Austin, June 2006
Employment: BBL, Inc, Portland, OR
19. Nabatilan, Marilou, “Enhanced Degradation Of Phenanthrene And Benzo(A)Pyrene In A Field-Contaminated Sediment Inhabited By Ilyodrilus Templetoni: A Microcosm Study” M.S. in Chemical Engineering, Louisiana State University, December 2005, Employment: Wink Consulting
20. Marquette, Andre, “Modeling Of Chemical Fate And Transport In The Environment”, M.S. in Chemical Engineering, Louisiana State University, August 2005, Employment: ERM Corporation, New Orleans, LA
21. Harris, Melanie, “Evaluation of In-Situ Capping of a Refinery Sludges”, M.S. in Chemical Engineering, Louisiana State University, August 2005, Employment: Unknown
22. Roberts, Keegan, Modeling of River Hydrodynamics and Active Cap Effectiveness in the Anacostia River”, M.S. in Civil Engineering, Louisiana State University, August 2004, Employment: CDM Smith, Denver.
23. Bhimasen, Narayan, “Micro-Visualization of Colloidal Gas Aphrons Interaction with Oil”, M.S. in Chemical Engineering, Louisiana State University, August 2000, Employment: Equilon Corporation
24. Fu, Xiao, “Evaluation of a Model of Capping of Contaminated Sediments”, M.S. in Chemical Engineering, Louisiana State University, December, 1998, Employment: Chemical Engineer in China
25. Mohanty, Sanat, “Modeling Bioturbation at the sediment-water interface”, M.S. in Chemical Engineering, Louisiana State University, May, 1997., Employment: 3M Corporation (after completion of PhD at University of Minnesota)
26. Shephard, Antwane, “Fate of Pyrene during Oligochaete Bioturbation”, M.S. in Chemical Engineering, Louisiana State University, August, 1997. Employment: Unknown
27. Deng, Fei, “The Mobility of Pyrene in Oil and Grease Contaminated Sediments”, M.S. in Chemical Engineering, Louisiana State University, May, 1997. Employment: WITCO, Brooklyn, NY
28. Chia, Stuart, “Biological Degradation Studies of PAH Compounds in Water Treatment Plant Solids at Clyde Refinery”, M.E.S. (Environmental), University of Sydney, October, 1996. Employment: Sherpa Consulting Sydney, Australia
29. Hunter, Farley, “Fenton’s Treatment of 1,2,3-Trichloropropane: Chemical Reaction Byproducts, Pathway and Kinetics”, M.S. in Chemical Engineering, Louisiana State University, May, 1996.
Employment: Novartis Corp., New Jersey
30. Choi, Ji Woong, “Laboratory Simulation of the Sea Breeze”, M.E.S. (Environmental), University of

Sydney, March, 1996. Employment: Unknown- returned to Korea

31. Doroja, Dorinda S. , “Influence of colloidal matter on the seepage rates of hydrophobic contaminants through porous media”, M.S. in Chemical Engineering, Louisiana State University, August, 1995. Employment: Shell Chemical Co., South Carolina
32. Sojitra, Ishvar, "Transport of Organic Colloids from Contaminated Sediment Beds", M.S. in Chemical Engineering, Louisiana State University, December, 1994. (With KT Valsaraj) Employment: Union Carbide, Taft, LA
33. Bolling, Trent, “Form and Distribution of Residual Nonaqueous Phase Liquids in Porous Media”, M.S. in Chemical Engineering, Louisiana State University, December, 1994. Employment: Shell Chemical Co, South Carolina
34. Swift, Brian, "Bottom Heating Frontolysis of Gravity Currents in Water", M.S. in Chemical Engineering, Louisiana State University, December 1994. Employment: University of Indiana Branch Campus, Indiana
35. Smith, James Lee, “ An Experimental Study of the Transport and Fate of a NAPL in a Heterogeneous Soil and Removal by Vacuum Extraction", M.S. in Chemical Engineering, Louisiana State University, May, 1994. Employment: URS, Houston, TX
36. Corripio, Bernardo Miguel, "Laboratory Simulation of the Sea Breeze for Dispersion Modeling", M.S. in Chemical Engineering, Louisiana State University, May 1993. EMPLOYMENT: Dow Chemical Co., Plaquemine, LA
37. Dikshit, Mandar M., "Modeling and Experimentation in Bioturbation", M.S. in Chemical Engineering, Louisiana State University, August, 1993. Employment: Private Consulting
38. Sahay, Nishit, “Mold Filling Studies in Reaction Injection Molding Process”, M.S. in Chemical Engineering, Louisiana State University, December, 1992. EMPLOYMENT: ABB Lummus, Houston
39. Mahliet, Mark Eric, "Validation of a Simplified Transport Model for Non Aqueous Contaminant Infiltration in the Unsaturated Zone", M.S. in Chemical Engineering, Louisiana State University, December, 1989. Employment: Deceased
40. Perrett, Fred Jack, "Computer Simulation of Flow, Reaction and Heat Transfer in Reaction Injection Molding", M.S. in Chemical Engineering, Louisiana State University, August, 1988. Employment: Mississippi Chemical Co., Yazoo City, MS
41. Chitgopekar, Nitin, "Modeling Short Range Air Dispersion from Area Sources of Non-Buoyant Toxics", M.S. in Chemical Engineering, Louisiana State University, December, 1988. Employment: Stone and Webster, Houston
42. Ayoub, Ibrahim F., "Study of Transport and Entrapment of Concentrated Organics In Soils", M.S. in Civil Engineering, Louisiana State University, May, 1987. Employment: Unknown
43. Doshi, Dharmesh Vinaychandra, "Modeling Vertical Migration of Non-Aqueous Phase Liquid Wastes in Unsaturated Soils", M.S. in Chemical Engineering, Louisiana State University, May , 1987. Employment: Environmental Manager, India
44. Garg, Kul Bhushan, "Characterization of Transport and Dispersion of Air Pollutants from a Coal-Fired Power Plant", M.S. in Engineering Science, Louisiana State University, May, 1986. Employment: US Air

Force, Huntsville, AL

45. Marsden, Jr., Arnold Riley, "Development of Approximate Chemical Submodels for Use in Photochemical Air Pollution Modeling", M.S. in Chemical Engineering, Louisiana State University, December, 1985.
Employment: Shell Oil Co., Houston