
CURRICULUM VITAE FOR PETER ADRIAENS, PhD, PE, BCEEM

“Bridging Technology, Business Model and Financial Innovation for Green Growth”

Professor (tenured), Department of Civil and Environmental Engineering (<http://cee.engin.umich.edu/>)
Professor of Entrepreneurship and Strategy (without tenure), Ross School of Business (<http://www.bus.umich.edu/>)
Professor, School for Natural Resources and the Environment (<http://www.snre.umich.edu/>)
Finnish Distinguished Professor, Research Institute for the Finnish Economy (<https://www.etla.fi/en/etla/>)

Member-by-eminence, American Academy of Environmental Engineering (AAEE)
Member, Royal Belgian Academy of Applied Sciences
Global Top 5% Research Impact in CleanTech

Education:

Leadership Development, Wayne State University School of Business Administration (10/02)
Postdoctoral Scholar: Environmental Engineering Science - Stanford University (1990-1992)
Ph.D.: Environmental Science, Univ. of Calif., Riverside (1989)
M.S.: Environmental Science and Engineering, State Univ. of Gent, Belgium (1986)
B.S.: Environmental Science and Engineering, State Univ. of Gent, Belgium (1984)

Academic Employment and Professional Positions:

Professor, Civil and Environmental Engineering (since 1992), The University of Michigan; Professor of Entrepreneurship and Strategy, Ross School of Business (since 2006); Finnish Distinguished Professor, Helsinki, Finland (2014-2016); Vice-President, President-Elect and President, Association of Environmental Engineering and Science Professors (AEESP; 2007-2009); Professor-in-Residence and Director for Asian Operations, Limnotech (2006-2013), Chaired Professor of Entrepreneurship, Sichuan University, China (current).

Nonacademic Positions

President, Global CleanTech LLC, a Michigan LLC (inc. 2007)
CEO, KeyStone Compact Group Ltd, a Delaware company (inc. 2009; www.keystonecompact.com) and KeyStone Compact UK, Ltd (inc. 2014)
Co-Founder, Global CleanTech Cluster Association, a Swiss foundation (inc. 2010; www.globalcleantech.org)
CEO, Equarius Risk Analytics LLC, a Michigan company (www.equariusrisk.com)

Research Interests:

Engineering (1991-2006): Technology development for natural and engineered microbial systems; Risk and uncertainty management for site characterization and technology implementation; Microbial sensing in complex environmental systems; Green infrastructure design
Business and Management (2006-current): Financial innovation for industrial renewal; Reverse innovation; Corporate and portfolio risk modeling; Value at Risk (VaR) analytics for business water exposure.

Teaching Experience:

Engineering: Environmental Microbiology and Bioengineering (1992-2002); Civil and Environmental Engineering Capstone Design Course (2004-2006); Case Studies in Sustainability (2009-2011)
Business and Management: Entrepreneurial Business Fundamentals (2006-current); CleanTech Entrepreneurship (2007-current); CleanTech Venture Assessment (2007-2014); Introduction to Business Models (2009-2011); Environmental Finance (2015-current)

Project Management Experience:

Low Carbon Technology Team Expert, Asia Development Bank (2013-2016); Project Director or Co-PI for in excess of \$22M in national and international research grants since 1994, involving multiple institutions; Responsibility for financial and technical reporting; Interviewing, hiring and releasing of project staff members,

students and postdocs; Facilities design and remodeling for project-specific requirements; Laboratory quality, data management, and financial compliance with external audits (EPA, NIH).

Administrative Experience:

Member, Search Committee, Executive Director Zell Lurie Institute for Entrepreneurial Studies (2012-2013); Chair, COE Nomination Committee (2008-2011); President/President-Elect/Vice President, Association of Environmental Engineering and Science Professors (2007-2010); Chair, COE Nomination Committee (2008-2011); Member, Innovation Committee, Pfizer Facility Expansion (2009-10); Chair, Internal Assessment Committee, Taubman School of Architecture and Urban Planning; Founding Member, Center for Entrepreneurship, College of Engineering, The University of Michigan; Member, Faculty Senate Assembly, University of Michigan (2006-08); Member, Dean Search Advisory Committee, College of Engineering (2005-06); Program Director, Environmental Technology Council, College of Engineering (2001-2006); Environmental Faculty Steering Committee, 2001-2004; Acting Director, EPA/DOD National Center for Integrated Bioremediation Research and Development (NCIBRD), Oscoda, Michigan, 7/31/02-8/31/03; Associate Director, Institute for Environmental Science, Engineering and Technology (IESET), 09/01/00-8/31/02; Co-Director, Initiative in Sustainable Aqueous Systems (iSAS), 2001-2004; Member, CEE Executive Committee, 2002-2004; Chair, College of Engineering Honors and Awards Committee (01-02); Member, *ad hoc* Committee for Infrastructure Initiative (2001); COE Awards Committee Member, 09/00-8/01; Department Executive Committee, 1998-01 and 02-03; Chair, Promotion Committees PRS Dr. Jiasong Fang and Dr. Andrei Barkovskii; Curriculum Committee, Dept. Civil & Environ. Eng., 1994-1995, 1996-97; Research Committee, Dept. Civil & Environ. Eng., 1995-1996; Departmental Awards Committee, 1996-98; Grant Management/Budgeting, 1992-present.

National and International Service (last 10 years):

National Science Foundation review committee, ReNUWit ERC Center (Stanford-Berkeley-Colorado School of Mines) 2013-2015; Member, AEESP Foundation (2010-2012); Co-Chair (with Gregory Characklis, University of North Carolina, Chapel Hill), NSF Workshop on “Integrating Economic and Financial Principles into Environmental Engineering Research and Education”, Washington DC (January 26-28, 2011); President, Association of Environmental Engineering and Science Professors (AEESP), 2009-2010; President-Elect, AEESP, 2008-2009; Vice President, AEESP, 2007-2008; International Advisory Board, Center for Environmental Science and Engineering – Dalian, China (Since 2006); Member, NSF CLEANER Program sensor development committee (2005-2007); Chair – Membership Committee, Association of Environmental Engineering and Science Professors (AEESP); International Advisory Board, Program on Sustainable Land Use, German National Environmental Laboratory, Leipzig, Germany (2003-2008); Member, Sustainable Water Resources Management Group, Mexico City (Director: Prof. Vaca Mier, Autonomous University of Mexico), since 2000; External Appraisal Team, Ontario Council on Graduate Studies, Department of Chemical Engineering and Applied Chemistry, University of Toronto, May 13-15, 2002; Principal Editor, Bioavailability and Bioremediation Domain, TheScientificWorld, Inc., 2001-2004; Member, Review committee, Swedish Environmental Research Foundation – Cold Climate Bioremediation Research Program, 11/01, Stockholm, Sweden; Founding Member, Environmental Science and Technology Magazine Advisory Board, 2001-2004; International Advisory Board and Scientific Committee, International Symposium for Environmental Biotechnology (ISEB 2002), Veracruz City (Mexico); International Advisory Board, Biosorption and Bioremediation Conferences, Prague, Czech Republic (since 2000); Associate Editor, J. Contaminant Hydrology (1999-2003); Science Advisory Committee, South & Southwest Hazardous Substance Research Center (1998-2002).

Innovation and Commercialization Activities:

CEO, KeyStone Compact Group, Ltd (Ann Arbor – London, UK – Singapore – Zurich, Switzerland); CEO, Equarius Risk Analytics, LLC, Ann Arbor, MI; Co-Founder and Global Head Judge, Global CleanTech Cluster Association (since 2010); Panel moderator, Global CleanTech Investment, Cleantech Venture Day, Lahti, Finland (4/12); Invited Speaker, Low Carbon Investment Conference, London, UK (11/11); Co-Organizer and Panel Moderator, Enterprise Ireland CleanTech Investment Conference, Dublin, Ireland (11/11); Invited Speaker, Asia-Pacific Business Leaders Sustainability Conference, Sentosa Island, Singapore (10/11); Panel Moderator and Speaker, Asia-Pacific CleanTech Investment Forum, Singapore (7/11); Conference Co-Chair, Global CleanTech Cluster Association EcoCities Investment Conference, Montreal, QC, Canada (2011); Head Judge, Global CleanTech Cluster Association (<http://www.globalcleantech.org/>, since 2011); Advisory Board, OnGreen

(<http://www.ongreen.com/>, since 2010); CleanTech Advisor, Frankel Commercialization Fund and Wolverine Venture Fund (since 2007); Co-Advisor (with Tom Lyon, Dow Professor of Sustainable Science, Technology and Commerce and Director, Erb Institute of Global Sustainable Enterprise), The Ben Franklin Project: Structuring Agreements for Chinese Investment in US CleanTech Startups (2010-2011); Project Director: Water Footprints and Business Water Risk: Investment in Risk Management Strategies (2011-2012); Member, World Resources Institute, Aqueduct Alliance for Business Water Risk (2010-2013); Conference Chair, Michigan-China Clean Tech: Collaboration and Competition in Energy, Smart Grid, Green Cities and Transportation, Ann Arbor MI (2010); Panelist, West Coast CleanTech Forum, Vancouver, BC, Canada (2010); Keynote Speaker (closing session), Societal value Creation from Biotechnology, International Symposium for Environmental Biotechnology, Italy (2010); Co-Chair, Cleantech Investment and Policy Conference, Ann Arbor MI (2009); Technical Advisor, CTISI Clean Technology and Sustainable Industries Conference and Trade Show (2008-2010); Chair, CleanTech Venture Opportunities Conference, Ann Arbor MI (2007); Chair, Emerging CleanTech Opportunities workshop, CleanTech Venture Conference, Toronto, ON, Canada (2007); Consultant to Africa Stockpiles Program (World Bank), Geneva, Switzerland (11/06-1/08); Roundtable on Entrepreneurship Education (participant), Stanford University, CA (10/06); Sustainable Water Resources Round Table (Department of Interior) Workshop on Multi-Stakeholder Use of the Great Lakes (Co-chair with Paul Freedman, Limno-Tech, and Robert Goldstein, Electric Power Research Institute), Ann Arbor, MI (April, 2005); SERDP/ESTCP Workgroup on Sediment Remediation Strategies, Charlottesville, VA (8/04); Technology Benchmarking Workshop for Remediation of Dioxin-Contaminated Sediments and Floodplains, Ann Arbor, MI (3/04); Technology transfer – Bioremediation in Cold Climates, Lund, Sweden (plenary lecturer); Remediation Technologies Development Forum (Sediments group), Seattle, WA; 11/02; 220 participants, Plenary lecturer; University of Michigan Great Lakes Symposium: Our Challenging Future (hosted by Michigan Sea Grant, the School for Natural Resources and the Environment, and the Center for Sustainable Systems), Ann Arbor, MI; 11/02; 150 participants, session leader and key-note speaker (Sediment Contamination, Toxicity, and Beneficial Re-Use); International Roundtable – Intelligent Infrastructure for Sustainable Potable Water, International Symposium for Environmental Biotechnology, Cleaner Bioprocesses, and Sustainable Development, Veracruz, Mexico; 6/02; Organizer, International Advisory Committee, and Plenary lecturer; Department of Environmental Quality-Emergency Response Division, Innovative Technology Seminar, East Lansing, MI; 5/02; 120 participants; key-note speaker; Technology Transfer for Contaminated Sediments, The Housatonic Valley Association and Housatonic River work group, Utica, New York, 2/02. Lecturer; Michigan Environmental Health Association Ground Water Conference, Thompsonville, MI; 10/01; 300 participants; key-note speaker; The CWC Group, Investing in the Future of the Global Water Industry, Financing Mechanisms and Technological Needs of the Water Company of the Future, London, UK; 11/27-28 2000; 90 participants, panel member; Mexico Autonomous University, 2nd Symposium Workshop and Short Course on Sustainable Water: Issues and Technologies, Mexico City, Mexico, 11/8-11/11, 2000; Key-note speaker and lecturer; World Association of Industrial and Technological Research Organizations, Knowledge Transfer in RTOs, The Hague, The Netherlands; 10/11-10/13, 2000; Participant; Michigan Department of Environmental Quality (M-DEQ), Celebration 2000 DEQ Workshop, Roscommon, MI; 7/00; Key-Note Speaker, University of Tuebingen, National Workshop on Natural Attenuation, Stuttgart, Germany; 1/00.

Invention Disclosures/Patents

Adriaens (2014): Equarius Risk Analytics™ and Equarius Risk™; Adriaens and Faley, 2011: Keystone Compact™ – a data-driven business design and positioning tool; Adriaens and Faley, 2012: Building KeyStone Companies™; KeyStone Score™; Adriaens, Freedman, Marr, 2013: waterBeta™; waterVaR™; Adriaens & LimnoTech: NanoCap – Method for Design of in Situ Reactive Sediment Caps (D); Vanella & Adriaens, 2010: DNAzyme-based Nanosensors for Mercury and Arsenic (USPTO # 7,709,619); Adriaens & Chang: Multicomponent Droplet Packaging into Single Microchannel (D); Adriaens & Chang: FlowGenomics (D); Adriaens & Limno-Tech: H2-GRID-A Novel Geotextile for Sediment Remediation (D); Adriaens & Chang: Parallel High Throughput and Ultrasensitive Single Molecular Detection Platform (D); Adriaens & Dolney: Reusable Microbial Fuel Cells (D).

Professional Societies/Organizations:

Academy of Management (since 2012: Entrepreneurship, Technology & Innovation Management, Organizations and the Natural Environment); American Academy of Environmental Engineers (since 2010); U.S. Association of Small Business and Entrepreneurship (since 2008); CleanTech Network (since 2006); American Society for

Engineering Education – Entrepreneurship Division (since 2006); International Water Association (since 2003); International Biodeterioration Society (since 2002); International Society for Environmental Biotechnology (since 2000); Association of Environmental Engineering and Science Professors (since 2002); Remediation Technologies Development Forum (since 1995); American Geophysical Union (since 1998); European Geophysical Society (since 1998); Society for Environmental Toxicology and Chemistry (since 1998); American Chemical Society (since 1990); American Society for the Advancement of Science (since 1990); The Honor Society of Agriculture (since 1989); American Society for Microbiology (since 1988); Registered Professional Engineer, Belgium (1986).

Languages :

Mother tongue: Dutch; Reading, Writing and Conversational Fluency in English, French and German.

Honors and Awards:

Finnish Distinguished Professor (2013-2016); Top-5% Global CleanTech Expert; Member, Belgian Royal Academy of Applied Sciences (2012); Member-by-Eminence, American Academy of Environmental Engineers (2009); Round Table on Entrepreneurship Education (REE), 2009, Best Paper Award on “Teaching CleanTech in Global Economies”; Hong Kong, China; Mayor of Dalian (China) Service Excellence Award for contributions to the City of Dalian (2009); COE Service Excellence Award (2009); George J. Huebner Research Excellence Award, University of Michigan (2007); Adjunct Professor, Eberhard-Karls University, Tuebingen, Germany (since 2001); 2003 CH2MHill/AEESP and Parsons Engineering Doctoral Thesis Award (Student: Dr. Michael McCormick); American Chemical Society, 2000 Best Student Paper Award; Student: Alexa N. Rihana.; American Geophysical Union (Hydrology Section) Spring 1998 Best Student Paper (Alexa N. Rihana); American Chemical Society 1998 Best Student Paper Award (John M. Lendvay); American Chemical Society 1998 Graduate Student Award in Environmental Chemistry (Angela Lindner); Recipient, Civil and Environmental Engineering Outstanding Research Award, 1997.

Staff and Student Mentoring:

Staff Supervision

Field research staff (8), 2004-2006.

Mr. Timothy Towey, Engineering Research Associate IV, 04-07; currently senior engineer, LimnoTech (Ann Arbor)
Dr. Shu Chi Chang, postdoc 2005-2006, currently Assistant Professor, National Cheng-Kung University, Taichung, Taiwan.

Dr. Mihaela Gavril, postdoc 2004-2007, currently eMBA, Trent University, Ontario, Canada.

Dr. Raveender Vannela, postdoc, 2004-2008, Associate Research Scientist, University of Arizona, Tempe AZ

Dr. Noemi Barabas, postdoc 2003-2004, currently senior engineer, LimnoTech, Inc. (Ann Arbor)

Dr. Cyndee Gruden, postdoc (01-03), currently Assistant Professor, University of Toledo

Ms. Anna Khijniak, M.D., assistant research scientist, 7/01-8/03, currently medical intern, UCSD.

Dr. Michael McCormick, postdoc (01-02), currently Assistant Professor, Hamilton College, NY

Mr. Charles ‘Lee’ Major (‘96-02), field manager, national Center for Integrated Bioremediation Research and Development, Oscoda, MI

Dr. Alexa N. Rihana, postdoc (00-02), currently Associate professor, Department of Civil and Environmental Engineering, Wayne State U.

Ms. Annemarie Lucas, admin. support staff/GSSA, 1999-2000

Dr. Karen Skubal, postdoc 1999-2000, Mayer Assistant Prof. of Urban and Environmental Studies, Department of Civil Engineering – Case Western Reserve U.; currently senior research scientist, Argonne National Laboratory.

Dr. Babu Fathepure, associate research professor, 1995-1999, currently Associate Professor, Department of Microbiology and Molecular Genetics, Oklahoma State U.

Dr. Elizabeth Carraway, postdoc 1992-93, currently Associate Professor, Department of Civil and Environmental Engineering, Clemson University

Dr. Andrei Barkovskii, assistant research professor 1994-98, 4-8/01, currently Associate Professor, Department of Environmental Sciences, Georgia State University and College.

Dr. Iris Albrecht, visiting assistant professor 1996-1997, stay-at-home mother and independent business owner

Dr. Mary Lynam, research technician 1994-1997

Master's and MBA Project Mentoring (sampling of last 10 years)

- Ms. Jingyi Wang: “*Design of NanoCap Material for Sediment Remediation: Technology Integration*”. Collaboration with LimnoTech and International Water Technologies (China)
- Ms. Xiaoliu Zhao: “*Design of NanoCap Material for Sediment Remediation: Business Development*”. Collaboration with LimnoTech and International Water Technologies (China)
- Mr. Timothy Slusser: “*Design and Feasibility of an After Market Business for Li-Batteries*”. Collaboration with the Michigan Economic Development Corporation and Sandia National Laboratories.
- Mr. Hao Niu; “*Scaling of Cost-Benefit Analysis for Green Roof Deployment: Application to Washington, DC*”; Co-Chair with Prof. Jiti Zhou, Dalian Institute of Technology, (Dalian, China.)
- Dr. Roya Gitiafroz; “*Anaerobic Bioremediation of Benzene*”; Chair, Elizabeth Edwards, University of Toronto.
- Mr. John Rice, Erb Student (SNRE/Ross School of Business); “*Real Options Analysis Financial Modeling for Investment in Hybrid Cooling Technology for the Power Industry*”; Co-Chair; with Michael Moore, SNRE, and Gautam Kaul, Ross School of Business).
- Dr. Robert Levine, PhD student ChemE; “*Value Chain Analysis and Life Cycle Assessment of Algae Biodiesel: An Entrepreneurial Perspective*”.
- Ms. Amy Oberlin, UG ChemE; “*Value Chain Analysis and Life Cycle Assessment of Algae Biodiesel: An Entrepreneurial Perspective*”.
- Ms. Yi Zhang, Mathematical Finance; “*Value-at-Risk (VaR) Analytics for Stocks and Portfolios Exposed to Water Risk: Method Development*”; Collaboration with Equarius Risk Analytics LLC.
- Ms. Christine Sun, Mathematical Finance; “*waterVaR Analytics for MSCI Steel, Precious Metals and Electric Utilities Companies*”; Collaboration with Equarius Risk Analytics LLC
- Ms. Chenchen Ouyang, Natural Resources and Economics; “*Operational Risk Analytics for Water-Exposed Companies: Financial and Sustainability Disclosures*”; Collaboration with Equarius Risk Analytics LLC.
- Ms. Ran Gao, Environmental Engineering; “*Quantifying Operational and Financial Risk in Portfolio Companies*”; Collaboration with Equarius Risk Analytics LLC.
- Ms. Yuan Liu, Statistics and Finance; “*Development of Exchange Traded Funds and Indices for Emerging Industry Sectors*”; Collaboration with Equarius Risk Analytics LLC and Research Institute for the Finnish Economy.
- Mr. Alexandre Mercier, Environmental Engineering and Finance; “*Value Capture and Investment Grade of Public Firms Renewing in Smart Mobility and Smart Grid*”.
- Ms. Weidi Sun, Environmental Engineering and Natural Resource Management; “*Value Capture and Investment Grade of Private Growth Firms in Smart Grid*”; Collaboration with KeyStone Compact Group Ltd and Research Institute for the Finnish Economy.
- Ms. Nicole Bette, Biomedical Engineering; “*Value Capture and Investment Grade of Private Growth Firms in Smart Mobility*”; Collaboration with KeyStone Compact Group Ltd and Research Institute for the Finnish Economy.
- Mr. Nic Miller, Environmental Engineering and Business: “*Development of Storyboard Video for Multi-Asset Renewal Funds*”; Collaboration with KeyStone Compact Group Ltd and Research Institute for the Finnish Economy.
- Mr. Viktor Passinsky, MBA, Ross School of Business: “*Strategic Financial Risk Management of Business Water Risk*”; Collaboration with Equarius Risk Analytics LLC.
- Mr. Edward Grubb, MBA, Ross School of Business: “*Strategic Financial Risk Management of Business Water Risk*”; Collaboration with Equarius Risk Analytics LLC.
- Ms. Allison Shapiro, MBA Ross School of Business: “*Loan Covenant Structures for Corporations and Projects with Water Risk*”. Collaboration with LimnoTech, Inc.
- Mr. Vinayak Manchanda, MBA Ross School of Business: “*Business Value of Water Footprints: A Value Chain and Financial Risk Perspective*”. Collaboration with LimnoTech, Inc.
- Ms. Rachel Smeak, MBA Ross School of Business: “*Business Risk Analytics in Water-Constrained Environments*”, Collaboration with LimnoTech, Inc.
- Mr. Satish Katpally, MBA Ross School of Business: “*Loan Covenant Structures for Corporations and Projects with Water Risk*”. Collaboration with LimnoTech, Inc.
- Mr. Cameron Smith, Ross School of Business: “*Structuring Business Development in China: The LimnoTech Inc Case*”. A Ross-LimnoTech project.
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Ms. Elizabeth Uhlhorn, Ross School of Business: “*Business Water Risk Opportunity Development*”. Collaboration with LimnoTech Inc.

Graduated PhD (Chair-listed) students:

Dr. Erik Petrovskis (1995); Director of Sustainability, Meier Stores (Grand Rapids)
Dr. Hildegard Selig (1997); Faculty, Baker College, Lansing, MI
Dr. Angela Lindner (1998); Professor and Associate Dean, U. Florida - Gainesville
Dr. Jack Lendvay (1999); Associate Professor and Department Chair, University of San Francisco
Dr. Karen Skubal (1999); U.S. Department of Energy (DOE) Office of Environmental Management (EM)
Dr. Q. Shiang Fu (2000); Research Associate, Stanford U. and Entrepreneur, US/China
Dr. Alexa N. Rihana (2000); Associate Professor (University of Detroit-Mercy.)
Dr. Michael McCormick (2001); Associate Professor, Hamilton College (New York)
Dr. Noemi Barabas (2002); Senior Associate, LimnoTech, Inc. (Ann Arbor)
Dr. Hirotaka Saito (2002); Associate Professor at Tokyo University of Agriculture and Technology
Dr. Shu Chi Chang (2005); Associate Professor; Dept. Environmental Engrg; National Chung Hsing University
Dr. Ke (Betty) Li (2007; with Linda Abriola, Tufts University): Dupont, Philadelphia.
Dr. Corrie Clark (2007; with F. Brian Talbot, Ross School of Business): Argonne Natl. Lab, DOE, Washington DC
Dr. Meng-ying Li (2008; with Anna Michalak, Stanford University): Assistant Professor, Taiwan
Dr. Hoa Trinh (2009; with Christian Lastoskie, Civil & Environ. Eng.): Environmental Defense Fund, Vietnam
Dr. Niu Hao (2010; with Prof. Zhou, Dalian University of Technology): Environmental Management, Beijing, China
Dr. Hua Cai (with Prof. Ming Xu, School for Natural Resources and Environment, 2015): Assistant Prof., Purdue U.
Mr. Dimitris Assanis (with Prof. Margaret Wooldridge, Mechanical Engineering, expected 2017)
Ms. Ping Chen (with Prof. Ming Xu, School for Natural Resources & Environment; expected 2018)

Visiting Research Scientists:

Damborsky, Jiri (6/96-8/96): “Molecular Descriptors for Dioxin Dechlorination Activity”. Visiting from the Laboratory for Molecular Computations, Masaryk University, Brno, Czech Republic
Kuty, Michal (6/96-8/96): “Molecular Descriptors for Dioxin Dechlorination Activity”. Visiting from the Laboratory for Molecular Computations, Masaryk University, Brno, Czech Republic
Lendvay, John (5/00-8/00 and 5/01-6/01): “Field Implementation of a Halorespiration Barrier at the Bachman Road Residential Wells Site” Visiting from the University of San Francisco, Department of Environmental Science.

Short Courses:

Financial Innovation Academy: Multi-Asset Renewal Fund (MARF), Research Institute for the Finnish Economy, Helsinki, Finland (2015)
Michigan Green Technology Entrepreneurship Academy (M-GTEA), Grand Rapids, MI (2011-2012).
Business of Sustainability and CleanTech Entrepreneurship, Suzhou Institute of Sichuan University, Suzhou, China (‘09: 30 students; ‘10: 70 students)
International Summer School “Biomonitoring, bioavailability and microbial transformation of pollutants in sediments and approaches to stimulate their biodegradation”, Genoa, Italy (9/12/05-9/14/05)
Biological Processes for Sustainable Water Use, Veracruz, Mexico (8/11/05-8/14/05), Lecturer
Soil and Sediment Sampling Design and Methods, Ann Arbor, MI (5/10/04-5/14/04), Course Director
3rd Sustainable Potable Water Short course, Autonomous University of Mexico, Mexico City, 9/02, Plenary lecturer.
NSF Pan-American Advanced Study Institute, Rio de Janeiro, Brasil, July 22-August 2, 2002 (co-PI and lecturer; Danny Reible, LSU, PI)
NATO Advanced Study Institute, Prague, Czech Republic (2001) (organizer and lecturer; Danny Reible, LSU, PI)
International Applied Environmental Geochemistry (AEG) Masters Course (20-35 students), University of Tuebingen (Germany), Microbiology I Module: April 14-18, 2000, Microbiology II Module: November 17-21, 2000, Microbiology I Module: April 18-20, 2001, Microbiology II Module: November 26-29, 2001., Microbiology II Module: 11/02, 11/03, 02/05, 11/05, 11/06.
Environmental Microbiology: Fundamentals and Applications (30 participants), Czech Academy of Sciences; Prague, Czech Republic; June 6-13, 1998 (organizer and lecturer)

Research Grants and Contracts

Current and Pending:

American Jobs Program. Policy Design for CleanTech Clusters in 10 Manufacturing States (PI: Jennifer Granholm); \$500K (\$20K, Adriaens); Start/End: 05/15/15-11/15/15.

REFRESH: Researching Fresh Solutions to the Energy/Water/Food Challenge in Resource-Constrained Environment. Phase II. (co-PI, Other PIs: Schwank (ChE); Barteau (ChE); Savage (ChE); Huang-Saad (BME, ChE); Fisher (ChE); Miller (SNRE); Scavia (Graham Institute); Hoffman (RSB, SNRE); Hill (Architecture and Urban Planning); \$3 M.; Start/End: 05/01/13-10/31/16

The Ford Motor Company. New Mobility Industry Value System Analysis (\$100K; with Sue Zielinski), 01/01/14-12/31/17.

The Ford Motor Company. Design of a Global Mobility Databank: Deal Sourcing and Use Case Design (\$100K; with Sue Zielinski), 01/01/14-12/31/17.

Finnish Innovation Fund (Helsinki, Finland). Financial Innovation for Industrial Renewal: Multi-Asset Fund Structuring and Design. \$ 2.0 MM, 01/01/14-06/30/16.

Completed:

National Collegiate Inventors and Innovators Association (NCIIA). SMART E-Team Course: Reverse Innovation Ventures in New Mobility (with Sue Zielinski, UM), 7/31/13-12/31/14. \$35K.

NSF Workshop. Integrating Economic and Financial Principles into Environmental Engineering Research and Education, Co-PI (with G. Characklis, UNC), 10/01/10-06/30/13; \$50K., Current.

The Dow Chemical Company. Michigan Dioxin Exposure Study, 3/1/04-12/31/10, Co-PI \$15 M. (\$ 2.7M to co-PI)

MEDC/Sakti. Sustainable Supply and Recycling of Electric Vehicle Battery Constituent Metals (with Christian Lastoskie), \$500,000.

SERDP. Integrating Uncertainty Analysis in Risk Assessment for In Place Contaminated Sediment Strategies, \$1,427,000 (1/1/05-12/31/08), **PI** (Co-PIs: LimnoTech, Inc., Steven Wright).

SERDP. Optimization of iron sulfide –based reactive barriers. **Co-PI** (PI: Hayes; Co-PIs: Abriola, Olsen, Demond), \$1,100,000.

EPA-STAR. Development of Re-Usable Fuel Cells, 9/1/2004-12/31/2007, PI \$150,516.

Michigan Tri-Corridor Fund. Development of a prototype micro-integrated flow cytometer, \$400,000; 9/1/04-8/31/06; Co-PI and consultant (with Steven Skerlos, ME, Jennifer Beard, Accuri Cytometers).

The Dow Chemical Company. Technology Benchmarking Workshop for Remediation of Dioxin-Contaminated Sediments, 1/1/04-8/31/04, PI, \$65,000.

U.S.EPA/Navy: “Pearl Harbor Dioxin and PCB-Contaminated Sediments: Technology Demonstration”, 10/1/02-12/31/03; \$650,000, co-PI (with LimnoTech, Inc. Ann Arbor, MI); UM portion \$162K.

Chlorine Chemistry Council: “Quantification of dioxin dechlorination and outgassing fluxes in urban waterways”, 5/1/00, gift for dioxin research; \$ 50,000 PI (with Prof. Kevin Jones, Lancaster University, UK).

NOAA-Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET): “Technology Development for Contaminated Coastal and Estuarine Environments: Hydrogen-Enhanced Remediation of Capped and Natural Sediments”; 9/1/01-8/31/03; \$200,030; **PI** (Co-PI: Cyndee Gruden, CEE, and John Hull, Aquablok, Ltd.).

Taiwan Government, NSF, UM, Ford: “Sensing, Control and Optimization of Metalworking Fluids Recycling: Microbiological Component (with Steven Skerlos, Mechanical Engineering; Kim Hayes, CEE; Richard Brown, Electrical Engineering and Computer Science); > \$ 1 m. (3 years); Co-PI.

Michigan Department of Environmental Quality (MDEQ). “Remediation of Chlorinated Solvents at the Bachman Road Site Using Innovative Technologies: Surfactant Enhanced Remediation and Halo-respiration, Phases II and III-Adjustment”, 1/1/99-9/30/02; \$ 350,000, **PI** (Co-PIs: Linda Abriola, Mike Barcelona, Babu Fathepure, Kim Hayes, James Tiedje, Frank Loeffler, Kurt D. Pennell, Erik Petrovskis, and Robert Hickey).

NSF: “Propagation of Uncertainty in the Field Extrapolation of Laboratory Experiments: Application to Dioxin-Contaminated Sediments”, 9/1/99 - 8/31/02; TDC: \$233,851, IDC: 101,813, Total: \$335,664 Co-PI (PI Pierre Goovaerts)

ONR, “Effect of Hydrogen on Microbial Community Structure and Dechlorination Potential of Marine and Estuarine Sediments”, 3/1/99-10/28/02, \$350,000 (PI).

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- USEPA/DOE/NSF/ONR, Assessment of Biotic and Abiotic Processes Controlling the Fate of Chlorinated Solvents in Mixed Waste Under Iron and Sulfate Reducing Conditions Using Laboratory and Field Microcosms, 1/1/98-12/31/01; 97-2463; \$ 499,988; Co-PI with Kim Hayes and Michael Barcelona.
- Michigan Department of Environmental Quality (MDEQ), "Remediation of Chlorinated Solvents at the Bachman Road Site Using Innovative Technologies: Surfactant Enhanced Remediation and Halorespiration, Phases II and III", 1/1/99-12/31/99; \$ 1,549,538, **PI** (Co-PIs: Linda Abriola, Mike Barcelona, Babu Fathepure, Kim Hayes, James Tiedje, Frank Loeffler, Kurt D. Pennell, Erik Petrovskis, and Robert Hickey).
- National Science Foundation - Center for Microbial Ecology (MSU; James Tiedje, Director): "Ecological and Kinetic Distribution of Soil Microbial Communities"; 8/1/92-4/30/99; \$ 120,000, **PI**.
- NIH (National Institutes of Health): "Cellular Biotechnology Training Program"; 7/1/96-6/30/01; \$ 3,260,219; **Co-I**, David Friedman (UM, PI).
- Office of Naval Research, "Natural and Enhanced Transformation of Polychlorinated Dibenzo-p-Dioxins in Estuarine and Marine Sediments", 1/1/96-2/28/99; \$ 185,000; **PI**, Andrei Barkovskii (Co-PI).
- Michigan Department of Environmental Quality (MDEQ), "Remediation of Chlorinated Solvents at the Bachman Road Site Using Innovative Technologies: Surfactant Enhanced Remediation and Halorespiration", 3/1/96-12/31/98; \$ 850,000, **PI**, Babu Fathepure (Co-PI).
- National Council of the Pulp and Paper Industry for Air and Stream Improvement (NCASI): "Natural and Enhanced Dechlorination of 2,3,7,8-Tetrachlorinated Dioxins and Dibenzofurans in Biological Solids", 2/1/98-7/31/98; \$ 30,000, **PI**.
- EPA-Great Lakes Mid Atlantic Hazardous Substance Research Center and DoD: "Investigations of Abiotic and Biotic Reductive Dechlorination Processes in Anaerobic Subsurface Systems", 6/1/96-5/31/98; \$158,000; **PI**, Kim F. Hayes (Co-PI).
- EPA-Great Lakes Mid Atlantic Hazardous Substance Research Center: "Metabolic and Cometabolic Biodegradation Kinetics Under Variably Saturated Conditions: Correlations with Water Potential and Moisture Content", 6/1/97-5/17/98; \$ 118,718; **PI**.
- University of Michigan, Program to Promote International Partnerships: "Development of Molecular Descriptors for Dioxin Dechlorination Activity", 1997-98; \$ 5,000; with Masaryk University, Czech Republic, **PI**.
- U.S. Army Corps of Engineers Waterways Experiment Station, "Effects of Polycyclic Aromatic Hydrocarbons (PAH) on Reductive Transformation of Polychlorinated Dibenzo-p-Dioxins (PCDD) in Dredged Sediments", 4/1/96-1/31/97; \$ 58,000; **PI**.
- U.S. EPA, "Anaerobic Transformations of Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans as a Bioremediation Strategy for Passaic River Sediments", 6/1/95-5/30/96; \$ 92,105. **PI**.
- U.S. EPA, "Intrinsic Bioremediation at the Aquifer-Surface Water Interface (St. Joseph, MI)", 11/1/93-5/17/95; \$ 131,579; **PI**, Nikolaos Katopodes (Co-PI).
- EPA-Great Lakes Mid Atlantic Hazardous Substance Research Center /DoD "Intrinsic Bioremediation of Chlorinated Solvents at an Aquifer-Surface Water Interface (St. Joseph, MI)", 6/1/95-5/17/97; \$ 140,680; **PI**.
- EPA-Region II Superfund Research: "Anaerobic Transformation of Highly Chlorinated Dibenzo-p-Dioxins and Dibenzofurans", 10/1/93-9/30/94; \$ 91,500; **PI**.
- U.S. EPA-SERDP (Strategic Environmental Research and Development Program) "Phase I of Bioremediation Field Initiative at Wurtsmith Air Force Base"; 6/1/93-5/31/95; \$690,482; **Co-PI**, Walter J. Weber, Jr. (PI), and Linda M. Abriola (Co-PI).
- US-EPA, "Intrinsic Bioremediation at Fire Training Area FT-2 (Wurtsmith AFB, MI)"; 5/18/95-8/31/96, \$ 60,000; **PI**.
- U.S. EPA-SERDP, "Monitoring and Predicting In Situ Bioremediation Using Microbial and Geochemical Indicators", 5/1/95-4/30/97; \$ 216,000; **Co-PI**, Larry Forney (MSU, PI), Frank Chapelle and Sheridan Haack (U.S. Geological Survey, Co-PIs).
- U.S. EPA-Great Lakes Mid Atlantic Hazardous Substance Research Center: "Fundamentals of Bioavailability. Sub-project: The Effect of Water Potential on Biodegradation in the Unsaturated Zone"; 6/1/95-5/15/97; \$ 72,000; **PI**.
- U.S. EPA, "A Computer Program to Model Bioventing of Organic Contaminants in Unsaturated Geological Material"; 9/1/93-9/1/95; \$200,000; **Co-PI**, Linda M. Abriola (PI).
- U.S. EPA-Great Lakes Mid Atlantic Hazardous Substance Research Center: "Fundamentals of Bioventing", 6/1/94-5/17/95; \$ 35,000. **PI**.
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NIEHS (National Institute of Environmental Health Sciences; "The Mechanism of Reductive Dechlorination"; 4/1/92-3/31/95; \$320,732; PI.

NIEHS; "Health Hazards from Groundwater Contamination-UM Trainee core"; 4/1/92-3/31/95; \$ 97,640; Co-I (P.I.: Lawrence Fisher, MSU).

Invited Presentations and Activities:

1. Multi-Asset Renewal Fund Structuring and Risk Assessment: Case Studies for Greening Economies. Global CleanTech Cluster Association (GCCA) and Taiwan Green Trade Conference, Taipei, Taiwan (11/15).
2. Positioning Growth Firms in the Green Chemistry Industry Ecosystem: The Antwerp-Ruhr-Rhein Chemical Megacenter. Brussels Sustainable Development Summit, Belgium (10/15).
3. Emerging Industry Ecosystem Structure: A Bloomberg View of Smart Grid and New Mobility. Global CleanTech Summit, Helsinki, Finland (09/15). With Antti Tahvanainen, Research Institute for the Finnish Economy.
4. Design of Multi-Asset Funds for Industrial Renewal: Tools and Use Cases. Global CleanTech Summit, Helsinki, Finland (09/15). With Antti Tahvanainen, Research Institute for the Finnish Economy.
5. Business Water Risk: Leading Indicator for ESG-Based Investment Allocations, NASDAQ ESG meeting, New York, NY (06/15)
6. Multi-Asset Renewal Funds for Green Growth: A New Long-Term Investment Fund Approach? KBC Wealth Management, Brussels, Belgium (05/15)
7. Innovation in an Unbundling Economy, M-TRAC Program, East Lansing, MI (03/15)
8. Multi-Asset Renewal Funds for Green Growth, Global CleanTech Cluster Association Conference, Lausanne, Switzerland (12/14)
9. Positioning Companies for Value Capture and Investability, CleanTech Roundtable, Singapore (10/14)
10. Investment Typology for Companies: KeyStone Compact Assessment Platform, Industry & Innovative Sustainable Production (iSUP), Antwerp, Belgium (09/14)
11. Bridging Physical and Financial Risk from Water: A Portfolio Perspective. Argonne National Laboratory (Technology Policy Office), Washington, DC (04/14)
12. Scaling Regional CleanTech, KeyNote at State Department Conference on 'Global Solutions' (04/14)
13. KeyStone presentation/workshop, Flemish CleanTech Association, Antwerp, Belgium (02/14)
14. Evolutions in Sustainability Finance, GLOBE 2014, Vancouver, CA (03/14)
15. Scandinavia CleanTech Open, Malmö, Sweden (03/14)
16. KeyStone presentation and workshop, Flemish CleanTech Association, Antwerp, Belgium (02/14)
17. SouthEast Michigan Economic Forum, Ann Arbor, MI. (11/13)
18. KeyStone Compact workshop, Singapore CleanTech MarketPlace, Singapore (09/13)
19. KeyStone Compact keynote, CleanTech Venture Day, Malmö, Sweden (05/13)
20. TEDx talk on "Reverse Innovation", CleanTech Forum Bilbao (04/13)
21. Global CleanTech Cluster Managers Ministerial Meeting (Dublin, Ireland) "Scaling Cleantech: Investing in Global Value Chains" (04/13)
22. Panel moderator, CleanTech Venture Day, Lahti, Finland (04/12)
23. UM-Ben Gurion University (Israel) Solar Workshop (02/12)
24. Keynote (shared with Ben Taube, TLB Energy, Atlanta GA), CleanTech Clusters, Melbourne, Aus (2/12)
25. Keynote lecture 'Business Water Risk', Gordon Research Conference, New Hampshire (06/12)
26. The Berkeley Roundtable on the International Economy (BRIE), Berkeley, CA (04/12)
27. Value Chain Investing, CleanTech Venture Day, Espoo/Lahti, Finland (04/12)
28. Solar-Water Nexus Workshop, Ben Gurion University of the Negev, Israel (02/12)
29. CleanTech Investment Forum (Terrapin), Melbourne, Australia (02/12)
30. University of Gent, Department of Agricultural and BioEngineering, Belgium (11/11)
31. Low Carbon Investment Conference, London, UK (11/11)
32. Dublin CleanTech Forum, Enterprise Ireland (11/11)
33. EcoCities Investment Conference, Montreal, Canada (08/11)
34. Asia-Pacific Investment CleanTech Investment Conference (07/11)
35. Asia Business Leaders Sustainability Conference, Singapore (10/11)
36. School of Civil, Environmental and Transportation Engineering, University of Florida, Gainesville (04/11)

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37. Dalian University of Technology, Dalian, China (03/11)
 38. National Chung Hsing University, Taichung, China (10/10)
 39. International Symposium for Environmental Biotechnology, Rimini, Italy (09/10)
 40. Dalian Institute of Technology, Key-Note Lecture for Friendship Prize, Dalian (12/09)
 41. Roundtable on Entrepreneurship Education, Chinese University of Hong Kong, China (10/09)
 42. World Resources Institute, Beijing, China (08/09)
 43. World Bank Mission, Manila, Philippines (06/09)
 44. World Bank, Environment Sector Unit, Washington DC (05/09)
 45. Taihu Basin Authority, Shanghai, China (05/08)
 46. Suzhou Institute of Sichuan University, Suzhou, China (10/08, 12/08, 03/08)
 47. Suzhou-Singapore Technology Park, Suzhou, China (08/08)
 48. CleanTech Investment Conference and Trade Show, Boston, MA (05/08)
 49. Ontario Center for Research and Innovation, Ottawa, ONT, Canada (06/08)
 50. Arizona State University, Tempe, AZ (2/08)
 51. University of California Riverside, Riverside CA (2/08)
 52. CleanTech Venture Investment Conference, Toronto, ONT, Canada (9/07)
 53. Key-Note Presentation, Environmental Nanotechnology, Taiwan National University, Taiwan (5/07).
 54. Swiss Federal Water Research Institute (EAWAG), Zuerich, Switzerland (11/06)
 55. UNEP Africa Stockpile Program, Rolle, Switzerland (11/06)
 56. Department Civil and Environmental Engineering – UCLA, Los Angeles, CA Seminar on Microbial Sensing: Micro- to Macro-Scale Application (12/06)
 57. Applied Research Center, Florida International University, Miami, FL (10/06)
 58. Dalian Institute of Technology, Dalian, China, Key-note lecture (9/06).
 59. International Symposium on Environmental Biotechnology (ISEB), Leipzig, Germany, Key-note: “Micro-Integrated Flow Cytometry: Application for Groundwater Characterization.” (7/06).
 60. Brookhaven National Laboratory, New York, NY (2/06)
 61. Great Lakes Environmental Research Laboratory, Ann Arbor, MI (11/05)
 62. East Coast Conference on Contaminated Soils and Sediments, American Society for Environmental Health Science (AEHS), Amherst, MA (10/05).
 63. Public Broadcasting Documentary on Green Roof Technology and Policy, Washington, DC (4/05)
 64. Department of Civil and Environmental Engineering, Rice University, Houston, TX (3/05)
 65. Dioxin 2004 – Environmental Exposure Assessment/Fate and Transport, Berlin, Germany (9/04)
 66. SERDP/ESTCP Workshop on Contaminated Sediments, Charlottesville, VA (8/04)
 67. International Symposium for Environmental Biotechnology (ISEB), Chicago, IL (6/04)
 68. Brominated Flame Retardants (BFR) 2004 – Risk Characterization and Communication, Toronto, Ontario, CANADA (6/04)
 69. CONCARIBE 2004 – Helping Caribbean Nations Towards Sustainable Development, Cartagena, Colombia (5/04)
 70. Remediation Technologies Development Forum (RTDF) on Sediments, Baltimore, MD (2/04).
 71. School of Civil and Environmental Engineering, Purdue University, West Lafayette, IN (12/03).
 72. East Coast Conference on Contaminated Soils and Sediments, American Society for Environmental Health Science (AEHS), San Diego, CA (10/03).
 73. Key-Note, RISV-International Society for Environmental Biotechnology, Rimini, Italy (9/03).
 74. Department of Applied Microbiology and Biotechnology, State University of Gent, Belgium (7/03).
 75. Industrial Key-Note, West Coast Conference on Contaminated Soils and Sediments, American Society for Environmental Health Science (AEHS), San Diego, CA (3/03).
 76. Cold Climate Bioremediation Program, University of Lund, Sweden, 1/03, Key-note.
 77. Department of Geology, The University of Michigan (10/02).
 78. NSF Center for Micro Electro-Mechanical Systems, Guest Lecture on “Clean Water: Access, Use, and Sustainable Exploitation”, The University of Michigan, 9/02.
 79. Remediation Technologies Development Forum on Contaminated Sediments and Groundwater-Surface Water Interfaces, Seattle, WA (10/02). Key-Note.
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80. International Symposium for Subsurface Microbiology (ISSM), Copenhagen, Denmark, (9/02), Key-Note Presentation: "Miniaturization of Flow Cytometric Applications for Microbial Characterization in Complex Environmental Systems".
81. 3rd International Symposium for Bioremediation and Biodeterioration, Prague, Czech Republic (7/02), Key-Note: "Characterization of Microbial Activities in Complex Systems".
82. Lawrence Livermore National Laboratories, Environmental and Bioinformatics Divisions, Livermore, CA (6/02), Seminar "Micro-Integrated Flow Cytometry: Current Status and Applications".
83. West Coast Conference on Contaminated Soils and Sediments, American Society for Environmental Health Science (AEHS), San Diego, CA (3/02).
84. Groundwater Research Institute, Technical University of Denmark, Lyngby, Denmark (11/01)
85. Departments of Civil and Environmental Engineering, Geological Sciences, and Plant and Soil Sciences, Michigan State University (1/01)
86. Industry-sponsored Key-Note Lecture, International Symposium for Environmental Biotechnology (ISEB)-2000, Kyoto, Japan (7/2000).
87. Department of Civil and Mechanical Engineering, McGill University, Montreal, Canada (7/2000)
88. Center for Biocatalysis, University of Iowa, Iowa City (3/2000)
89. Department of Environmental Science, Ohio State University, Columbus, OH (2/2000)
90. Keynote Lecture, Dechema Symposium on Natural Attenuation, Frankfurt am Main, Germany (10/99)
91. Swiss Federal Institute of Environmental Science and Technology, Department of Engineering, Duebendorf, Switzerland (9/99).
92. Lancaster University, Division of Environmental Science, Lancaster, U.K. (9/99).
93. Swiss Federal Institute of Technology, Institute of Soil and Water Management, Lausanne, Switzerland (4/99)
94. Swiss Federal Institute of Environmental Science and Technology, Department of Microbiology, Duebendorf, Switzerland (4/99).
95. The University of Bayreuth, Department of Microbiology, Bayreuth, Germany (3/99).
96. Swiss Federal Institute of Environmental Science and Technology, Department of Chemistry, Duebendorf, Switzerland (2/99).
97. University of California - Riverside, Department of Soil Science and Environmental Toxicology Program (10/98)
98. Stanford University, Department of Civil Engineering, Stanford, CA (9/98)
99. Institute for Geosciences, The University of Tuebingen, Tuebingen, Germany (7/98)
100. Second Conference on Biosorption and Bioremediation, Prague, Czech Republic (7/98)
101. Michigan Department of Environmental Quality - Annu. Mtg., Lansing, MI (5/98)
102. 3rd Int. Symposium on Environmental Chemistry "Warszawa '98", Warsaw, Poland (4/98).
103. Society for Industrial Microbiology, Reno, NV (8/97).
104. International Symposium for Environmental Biotechnology (ISEB), Ostend, Belgium (4/97).
105. Medical University of South Carolina, Charleston, S.C. (10/96).
106. Charles University/Institute of Chemical Technology, Prague, Czech Republic (5/96).
107. Masaryk University, Department of Environmental Sciences, Brno, Czech Republic (5/96).
108. Key-Note Speaker, International NATO Workshop on Quantitative Structure-Activity Relationships (QSBR II), Luhacovice, Czech Republic (5/96).
109. University of Stuttgart and Fraunhofer Institute for Microbiology (12/95)
110. Swiss Federal Institute for Water Science Technology (EAWAG), Zuerich, Switzerland (12/95).
111. Rhone-Poulenc Organisation, Lyon France (12/95).
112. University of Amsterdam, Dept. Environ. Toxicology and Chemistry, The Netherlands (12/95).
113. National Environmental Research Institute (NERI), Roskilde, Denmark (12/95).
114. International Conference on Biosorption and Bioremediation. Prague, Czech Republic (10/95).
115. Chair, Session on "Bioremediation of Chlorinated Aromatic Compounds", 15th International Dioxin Conference, Edmonton, Alberta, Canada (8/95).
116. 8th International C₁ Symposium, San Diego, California (8/95)
117. Oxychem Research and Development, Grand Island, NY (1995)
118. Michigan Biotechnology Institute, Lansing, MI (3/95)

119. Dow Chemical, Midland, MI. (1995)
120. 5th International Symposium on Environmental Research Topics (hosted by Dr. F.W. Karasek, Univ. of Waterloo), Phoenix, Arizona (1994)
121. US-EPA Bioremediation Risk Assessment Workshop, Duluth, Minnesota (1993)
122. Universität für Bodenkultur (University for Soil Sciences) - Vienna, Austria (1993).
123. DECHEMA Int. Symposium on "Soil Decontamination using Biological Processes", Karlsruhe, Germany (1992).
124. Dehalogenation Conf., "Anaerobic Dehalogenation and its Environmental Implications", Athens, Georgia (1992).
125. Institut für Mikrobiologie, Universität Stuttgart, Germany (1990).
126. GBF, Gesellschaft für Biotechnologische Forschung, Braunschweig, Germany (1990).
127. Annual Forum for Applied Biotechnology, Gent, Belgium (1990).

Journal Publications (In preparation, submitted, in review):

1. Adriaens, P., and A.J. Tahvanainen. 2016. Engaging Pension Funds in Economic Development: Regional Capital and Localized Risks. In preparation for Harvard Business Review.
2. Adriaens, P., Y. Liu, K. Sun and R. Gao. 2016. Smart Beta for Water Risk-Corrected Stock Allocation Indices. In preparation for MIT Sloan Management Review.
3. Adriaens, P., K. Sun, C. Ouyang, and R. Gao. 2016. Regional and Industry Sector Impacts of Water Risk: A Market Signaling Perspective. In preparation for Environmental Science and Technology.
4. Kotiranta, A., A. Tahvanainen, M. Ritola, and P. Adriaens. 2015. Leveraging Physical Assets for Value Creation Through Cleanweb Firms: The Finnish Cleantech Space in Transition. Ross School of Business Paper No. 1279. Available at SSRN: <http://ssrn.com/abstract=2611231>. In preparation for submission to California Management Review.
5. Adriaens, P., K. Sun, C. Ouyang and R. Gao. 2015. Bridging Physical and Financial Business Water Risk: waterVar and waterbeta Metrics for Equity and Portfolio Risk Assessment. Ross School of Business Paper No. 1237. Available at SSRN: <http://ssrn.com/abstract=2445580>. In preparation for submission to J. Business Economics.
6. Adriaens, P. and D. De Lange. 2014. Field Structuration Around New Issues: Clean Energy Entrepreneurialism in Emerging Economies. Ross School of Business Paper No. 1180. Available at SSRN: <http://ssrn.com/abstract=2171852>. Submitted to Journal of Business Ethics.
7. Rice, J., G. Kaul, and P. Adriaens. 2014. Real Options Analysis Financial Modeling for Investment in Hybrid Cooling Technology for the Power Industry, J. Manage. Econ. In Review.
8. Adriaens, P. and D. De Lange. 2014. Balancing Exploration and Exploitation in Small World Clean-Tech Clusters. Ross School of Business Paper No. 1177. Available at SSRN: <http://ssrn.com/abstract=2149607>. Submitted to Strategic Management Journal.
9. Kim, S. and P. Adriaens. 2013. Correlating Sustainability and Financial Performance - What Measures Matter? A Study in the Pulp and Paper Industry. Ross School of Business Paper No. 1192. Available at SSRN: <http://ssrn.com/abstract=2297907> or <http://dx.doi.org/10.2139/ssrn.2297907>. In preparation for J. Ind. Ecol.
10. Adriaens, P., D. De Lange, and S. Zielinski. 2013. Reverse Innovation for the New Mobility. Ross School of Business Paper No. 1193. Available at SSRN: <http://ssrn.com/abstract=2297912> or <http://dx.doi.org/10.2139/ssrn.2297912>. Submitted to Strategy & Leadership.

Journal Publications (published):

1. Trinh, H.T., P. Adriaens, and C.M. Lasto. 2016. Fate factors and emission flux estimates for emerging contaminants in surface waters. AIMS Environmental Science, 3(1): 21-44.
2. Hao, W.; Jiang, X.; Garabrant, D.; Gillespie, B.; Hedgeman, E.; Franzblau, A.; Adriaens, P.; Demond, A.; Lepkowski, J.; and O. Jolliet. 2016. Contributions of Fish and Game Consumption to Human Serum Dioxin Concentrations in Midland and Saginaw, Michigan. Environ. Sci. Technol. In Review.
3. Cai, H., P. Adriaens, and M.Xu. 2016. Travel patterns as leading indicators for the decarbonization of transportation in a shared economy. Environmental Sci. Technol., Accepted.

4. Chen, Q. X. Jiang, E. Hedgeman, K. Knutson, B. Gillespie, B. Hong, J. M. Lepkowski, A. Franzblau, O. Jolliet, P. Adriaens, A. H. Demond, and D. H. Garabrant. 2013. Estimation of age- and sex-specific background human serum concentrations of PCDDs, PCDFs, and PCBs in the UMDES and NHANES populations. *Chemosphere* 91 (6), pp. 817–823.
5. Adriaens, P., B. Taube, and S. Lesser. 2012. The case for clustering. *Global Environmental Politics*, issue 3.
6. Towey, T.P., N. Barabas, A. Demond, A. Franzblau, D. H. Garabrant, B. W. Gillespie, J. Lepkowski, and P. Adriaens. 2012. Polytopic Vector Analysis of Soil, Dust, and Serum Samples To Evaluate Exposure Sources of PCDD/Fs. *Environ. Toxicol. Chem.* 31 (10), pp. 2191–2200.
7. Larson, W.L., P.L. Freedman, V. Passinsky, E. Grubb and P. Adriaens. 2012. Mitigating Corporate Water Risk: Financial Market Tools and Supply Management Strategies. *Water Alternatives* 5(3): 582-602.
8. Characklis, G. W., P. Adriaens, J. B. Braden, J. Davis, B. Hamilton, J. B. Hughes, M. J. Small, and J. Wolfe. 2011. Increasing the Role of Economics in Environmental Research (or Moving beyond the Mindset That Economics = Accounting), *Environ. Sci. Technol.* 45, pp. 6235-6236.
9. Demond, A., A. Franzblau, D. Garabrant, X. Jiang, P. Adriaens, Q. Chen, B. Gillespie, W. Hao, B. Hong, O. Jolliet, J. Lepkowski. 2011. Human Exposure from Dioxins in Soil. *Environ. Sci. Technol.*, 46 (3), pp 1296–1302.
10. Hao, N., C.E. Clark, J. Zhou, and P. Adriaens. 2010. Scaling of Economic Benefits from Green Roof Implementation in Washington DC. *Environ. Sci. Technol.*, 4 (11), pp 4302–4308.
11. Hao, N., C.E. Clark, J. Zhou, and P. Adriaens. 2012. Impact of Cap and Trade Uncertainties on Green Roof Potential as an Energy Efficiency Technology. *Energy Policy*, In Review.
12. Demond, A., Towey, T., Adriaens, P., Zhong, X., Knutson, K., Chen, Q., Hong, B., Gillespie, B., Chang, S.-C., Franzblau, A., Garabrant, D., Lepkowski, J., Luksemburg, W., Maier, M. 2010. Relationship between polychlorinated dibenzo-p-dioxin, polychlorinated dibenzofuran, and dioxin-like polychlorinated biphenyl concentrations in vegetation and soil on residential properties. *Environ. Toxicol. Chem.* 29(12): 2660-8.
13. Franzblau A., Hedgeman E., Jolliet O., Knutson K., Towey T., Chen Q., Hong B., Adriaens P., Demond A., Garabrant D., Gillespie B., Lepkowski J. 2010. The University of Michigan Dioxin Exposure Study: A Follow-Up Investigation of a Case With High Serum Concentration of 2,3,4,7,8-Pentachlorobenzofuran. *Environ. Health Pers.* 118(9): 1313-1317.
14. Gillespie, B., Q. Chen, H. Reichert, A. Franzblau, E. Hedgeman, J. Lepkowski, P. Adriaens, A. Demond, W. Luksemburg, and D. Garabrant, 2010, Estimating population distributions when some data are below a limit of detection by using a reverse Kaplan-Meier estimator. *Epidemiology*, 21(4): S64-S70.
15. Franzblau, A., L. Zwica, K. Knutson, Q. Chen, S.-Y. Lee, B. Hong, P. Adriaens, A. Demond, D. Garabrant, B. Gillespie, J. Lepkowski, W. Luksemburg, M. Maier, T. Towey. 2009. An Investigation of Homes with High Concentrations of PCDDs, PCDFs, and/or Dioxin-Like PCBs in House Dust. *J. Occup. Environ. Hygiene* 6:3,188-199.
16. Chen, Q., D. Garabrant, E. Hedgeman, R. Little, M. Elliott, B. Gillespie, B. Hong, S.-Y. Lee, J. Lepkowski, A. Franzblau, P. Adriaens, A. Demond, and D. Paterson, 2010. Estimation of Background Serum 2,3,7,8-TCDD Concentrations by Using Quantile Regression in the UMDES and NHANES Populations. *Epidemiology*, 21(4): S51-S57.
17. Towey, T., Chang, S-C, , Demond, A, Wright, D, Barabas, N, Chen, Q, Franzblau, A, Garabrant D, Gillespie, B, Lepkowski, J, Hedgeman E, Knutson, K, Zwica, L, Luksemburg W, Maier M, and P. Adriaens. 2010. Hierarchical Cluster Analysis of Dioxins and Furans in Michigan Soils: Differentiation of Industrial and Background Congener Profiles. *Environ. Toxicol. Chem.*, Vol. 29, No. 1, pp. 64–72.
18. Franzblau, A., L. Zwica, K. Knutson, Q. Chen, S.-Y. Lee, B. Hong, P. Adriaens, A. Demond, D. Garabrant, B. Gillespie, J. Lepkowski, W. Luksemburg, M. Maier, T. Towey. 2009. An Investigation of Homes with High Concentrations of PCDDs, PCDFs, and/or Dioxin-Like PCBs in House Dust. *J. Occup. Environ. Hygiene* 6:3,188-199.
19. Garabrant, D.H., A. Franzblau, J. Lepkowski, B. W. Gillespie, P. Adriaens, A. Demond, B. Ward, K. LaDronka, E. Hedgeman, K. Knutson, L. Zwica, K. Olson, T. Towey, Q. Chen and B. Hong. 2009. The University of Michigan Dioxin Exposure Study: Methods for an Environmental Exposure Study of Polychlorinated Dioxins, Furans and Biphenyls. *Environ. Health. Perspect.* 117 (5): 803-810.
20. Garabrant, D.H., A. Franzblau, J. Lepkowski, B. W. Gillespie, P. Adriaens, A. Demond, E. Hedgeman, K. Knutson, L. Zwica, K. Olson, T. Towey, Q. Chen, B. Hong, C.-W. Chang, S.-Y. Lee, B. Ward, K. LaDronka,

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- W. Luksemburg and M. Maier. 2009. The University of Michigan Dioxin Exposure Study: Predictors of Human Serum Dioxin Concentrations in Midland and Saginaw, Michigan. *Environ. Health. Perspect.* 117 (5): 818-824.
21. Hedgeman E., C. Q, Hong B, Chang CW, Olson K, LaDronka K, Ward B, Adriaens P, Demond A, Gillespie BW, Lepkowski J, Franzblau A, Garabrant DH. 2009. The University of Michigan Dioxin Exposure Study: Population Survey Results and Serum Concentrations for Polychlorinated Dioxins, Furans and Biphenyls *Environ Health Perspect.* 117 (5): 811-817.
 22. Franzblau, A., A. Demond, T. Towey, P. Adriaens, S.-C. Chang, W. Luksemburg, M. Maier, D. Garabrant, B. Gillespie, J Lepkowski, C.-W. Chang, Q. Chen, B. Hong. 2009. Residences with Anomalous Soil Concentrations of Dioxin-Like Compounds in Two Communities in Michigan, USA: A Case Study. *Chemosphere*, 74 (3): 395-403.
 23. Garabrant, D.H., B. Hong, Q. Chen, C.-W Chang, X. Jiang, A. Franzblau, J. Lepkowski, P. Adriaens, A. Demond, E. Hedgeman, K. Knutson, T. Towey, and B. W. Gillespie. 2008. Factors that Predict Serum PCB, PCDD, and PCDF Concentrations in Michigan, USA. *Epidemiology*. 16(5), S265, November Supplement
 24. Knutson, K., B. Hong, Q. Chen, C.-W. Chang, E. Hedgeman, T. Towey, O. Jolliet, B. W. Gillespie, A. Franzblau, J. Lepkowski, P. Adriaens, A. Demond, and D. H. Garabrant. 2008. The Relationship Between Blood Serum Dioxin Levels and Breast Feeding. *Epidemiology*. 16(5), S179, November Supplement.
 25. Demond, A., P. Adriaens, T. Towey, S.-C. Chang, B. Hong, Q. Chen, C.-W. Chang, A. Franzblau, D. H. Garabrant, B. W. Gillespie, E. Hedgeman, K. Knutson, S.-Y. Lee, J. Lepkowski, K. Olson, B. Ward, L. Zwica, W. Luksemburg, and M. Maier. 2008. Statistical Comparison of Residential Soil Concentrations of PCDDs, PCDFs and PCBs from Two Communities in Michigan. *Environ. Sci. Technol.* 42(15), 5441–5448.
 26. Goovaerts, P. H. T. Trinh, A. Demond, A. Franzblau, D. Garabrant, B. Gillespie, J. Lepkowski, and P. Adriaens. 2008. Geostatistical Modeling of the Spatial Distribution of Soil Dioxin in the Vicinity of an Incinerator: 1. Theory and Application. *Environ. Sci. Technol.*, 42(10); 3648-3654.
 27. Goovaerts, P., H. T. Trinh, A. H. Demond, T. Towey, S.-C. Chang, D. Gwinn, B. Hong, A. Franzblau, D. Garabrant, B. W. Gillespie, J. Lepkowski, and P. Adriaens. 2008. Geostatistical Modeling of the Spatial Distribution of Soil Dioxin in the Vicinity of an Incinerator: 2. Verification and Calibration. *Environ. Sci. Technol.*, 42(10); 3655-3661.
 28. Clark, C.E., P. Adriaens, and B. Talbot. 2008. Green Roof Valuation: A Probabilistic Economic Analysis of Environmental Benefits. *Environ. Sci. Technol.*, 42 (6), 2155–2161.
 29. McCormick, M.L., M. Gerdenich, and P. Adriaens. 2011. Biogenesis of nano-scale magnetite during reduction of two-line ferrihydrite by *Geobacter metallireducens*. *Geochim. Cosmochim. Acta*. In Review.
 30. Franzblau, A. E. Hedgeman, Q. Chen, S.-Y. Lee, P. Adriaens, A. Demond, D. Garabrant, B. Gillespie, B. Hong, O. Jolliet, J. Lepkowski, W. Luksemburg, M. Maier, and Y. Wenger. 2008. Case Report: Human Exposure to Dioxins from Clay. *Environ. Health Perspect.* 116:238–242.
 31. Vannela, R., and P. Adriaens. 2007. In Vitro Selection of Hg (II) and As (V)-Dependent RNA-Cleaving DNAAzymes, *Env. Eng. Sci.*, 24, 73-84.
 32. Gruden, C., R. McCulloch, T. Towey, J. Wolfe, and P. Adriaens. 2007. Hydrogen-based Activity Enhancement in Sediment Cultures and Intact Sediments. *Env. Eng. Sci.* 24: 696-706.
 33. Chang, S.-C. and P. Adriaens. 2007. Nano-Immunodetection and Quantification of Mycobacteria in Metalworking Fluids, *Environ. Eng. Sci.*, 24, 58-72.
 34. Adriaens, P., A. Michalak and M.-Y. Li. 2006. Scaling of Sediment Bioremediation Processes and Applications. *Eng. Life Sci.* 6 (3), 217-227.
 35. Chang, S.-C, Anderson, T., Bahrman, S, Gruden CL, Khijniak, AI, Adriaens, P. 2005. Comparing recovering efficiency of immunomagnetic separation and centrifugation of mycobacteria in metalworking fluids. *J. Ind. Microbiol. Biotechnol.* 32: 629-638.
 36. Lindner, A.S., J. Semrau, and P. Adriaens. 2005. Substituent Effects on the Oxidation of Substituted Biphenyl Congeners by Type II Methanotroph Strain CSC1. *Arch. Microbiol.* 183: 266-276.
 37. Fu, Q. S., A. L. Barkovskii, P. Adriaens. 2005. Microbial dechlorination of dioxins in estuarine enrichment cultures: effects of respiratory conditions and priming compound on community structure and dechlorination patterns. *Marine Environ. Res.*, 59: 177-195.
 38. Barabas, N., P. Goovaerts, and P. Adriaens. 2004. Modified polytopic vector analysis to identify and quantify dioxin dechlorination signatures in sediments. 1. Theory. *Environ. Sci. Technol.*, 38: 1813-1820.
-

-
39. Barabas, N., P. Goovaerts, and P. Adriaens. 2004. Modified polytopic vector analysis to identify and quantify dioxin dechlorination signatures in sediments. 2. Application to the Passaic River Superfund site. *Environ. Sci. Technol.*, 38: 1821-1827.
 40. McCormick, M.L., and P. Adriaens. 2004. Product Distribution During Tetrachloromethane Degradation under Iron-Reducing Conditions. *Environ. Sci. Technol.*, 38: 1045-1053.
 41. Chang, S.-C., A.N. Rihana, S. Bahrman, C. Gruden, A.I. Khijniak, S.J. Skerlos, and P. Adriaens. 2004. Flow Cytometric Detection and Quantification of Mycobacteria in Metalworking Fluids. *Int. J. Biodet. Biodeg.*, 54: 105-112.
 42. Gruden, C., Skerlos, S.J., and P. Adriaens. 2004. Flow Cytometry for Microbial Sensing in Environmental Sustainability Applications: Current Status and Future Prospects. *FEMS Microbiol. Ecol.* 49: 37-49.
 43. Gruden, C.L., Khijniak, A., and Adriaens, P. 2003. Activity Assessment of Microorganisms Eluted from Sediment Using CTC (5-cyano-2,3-ditolyl tetrazolium chloride): A Quantitative Comparison of Flow Cytometry to Epifluorescent Microscopy. *J. Microb. Meth.* 55 (3): 865-874.
 44. Park, J., J. Malinverni, P. Adriaens, and J.J. Kukor. 2003. Quantitative Structure-Activity Relationship (QSAR) Analysis of Aromatic Inducer Specificity in NtrC-like Transcriptional Activators from Aromatic Oxidizing Bacteria. *FEMS Microbiol. Lett.* 224: 45-52.
 45. Lindner, A.S.; C. Whitfield; N. Chen; J.D. Semrau; and P. Adriaens. 2003. Quantitative Structure-Biodegradation Relationships for *Ortho*-Substituted Biphenyl Compounds Oxidized by *Methylosinus trichosporium* OB3b. *Env. Tox. Chem.*, 22(10), 2251-2257.
 46. Adriaens, P., S. Skerlos, E.A. Edwards, P. Goovaerts, and T. Egli. 2003. Intelligent Infrastructure for Sustainable Potable Water Supplies: A Roundtable for Emerging Transnational Research and Technology Development Needs. *Biotechnol. Adv.* 22, 119-134.
 47. Lendvay, J.M., M. J. Barcelona, G. Daniels, M. Dollhopf, B. Z. Fathepure, M. Gebhard, R. Heine, R. Hickey, R. Krajmalnik-Brown, F. E. Löffler, C. L. Major, Jr., E. Petrovskis, J. Shi, J. M. Tiedje and P. Adriaens. 2003. Bioreactive Barriers: Bioaugmentation and Biostimulation for Chlorinated Solvent Remediation. *Environ. Sci. Technol.* 37: 1422-1431.
 48. Barabas, N., P. Adriaens, and P. Goovaerts. 2002. An Integrated Field-Scale Approach to Demonstrate Dioxin Transformation in Estuarine Sediments. *Soil Sed. Contam.* 11: 474.
 49. McCormick, M.L., E.J. Bouwer, and P. Adriaens. 2002, Carbon Tetrachloride Transformation in a Defined Iron-Reducing Culture: Relative Kinetics of Biotic and Abiotic Reactions, *Environ. Sci. Technol.* 36(3): 403-410 (James J. Morgan festschrift edition).
 50. Barabas, N., P. Goovaerts, and P. Adriaens. 2001. Geostatistical Assessment and Validation of Uncertainty for Three-Dimensional Dioxin Data from Sediments in an Estuarine River. *Environ. Sci. Technol. Environ. Sci. Technol.* 35: 3294-3301.
 51. Fu, Q.S., A.L. Barkovskii, and P. Adriaens. 2001. Dioxin Cycling in Aquatic Sediments: The Passaic River Estuary. *Chemosphere* 43 (4-7), 643-648.
 52. Skubal, K.L., M.J. Barcelona, and P. Adriaens. 2001. A Field and Laboratory Assessment of Natural Bioattenuation in an Aquifer Contaminated by Mixed Organic Waste. *J. Contam. Hydrol.* 49: 151-171.
 53. Lindner, A.S., P. Adriaens, and J.D. Semrau. 2000. Transformation of ortho-Substituted Biphenyls by *Methylosinus trichosporium* OB3b: Substituent Effects on Oxidation Kinetics and Product Formation. *Arch. Microbiol.* 174: 35-41.
 54. Selig, H., K.F. Hayes, and P. Adriaens. 1999. The Role of Silica Dissolution on the Biodegradation of Octylamine. *Environ. Sci. Technol.*, 33, 3723-3729.
 55. Fu, Q., A.L. Barkovskii, and P. Adriaens. 1999. Reductive Transformation of Dioxins: An Assessment of the Contribution of Dissolved Organic Matter to Dechlorination Reactions. *Environ. Sci. Technol.* 33, 3837-3842.
 56. Albrecht, I.D., A.L. Barkovskii, and P. Adriaens. 1999. Production and Dechlorination of 2,3,7,8-Tetrachloro-Dibenzo-p-Dioxin (TCDD) in Historically-Contaminated Estuarine Sediments. *Environ. Sci. Technol.* 33: 737-744.
 57. Skubal, K.L., S.K. Haack, L.J. Forney, and P. Adriaens. 1999. Effects of Dynamic Redox Zonation on the Potential for Natural Attenuation of Trichloroethylene at a Fire-Training Impacted Aquifer. *Phys. Chem. Earth*, 24(6), 517-527.
 58. Lendvay, J.M., and P. Adriaens. 1999. Laboratory Evaluation of Temporal Trends in Biogeochemical Conditions at a Groundwater-Surface Water Interface. *Phys. Chem. Earth*, 24(6), 511-516.
-

59. Dean, S.M., J.M. Lendvay, M. Barcelona, P. Adriaens, and N.D. Katopodes. 1999. Installing Multilevel Sampling Wells to Monitor Groundwater and Contaminant Discharge in a Surface Water. *Groundwater Monitoring and Remediation (GWMR)*, Fall, 90-96.
60. Lendvay, J.M., S.M. Dean and P. Adriaens. 1998. Temporal and Spatial Trends in Biogeochemical Conditions at a Groundwater-Surface Water Interface: Implications for Natural Bioattenuation. *Environ. Sci. Technol.* 32: 3472-3478.
61. Lendvay, J.M., W.A. Sauck, M.L. McCormick, M.J. Barcelona, D.H. Kampbell, J.T. Wilson, and P. Adriaens. 1998. Geophysical Characterization, Redox Zonation, and Contaminant Distribution at a Groundwater-Surface Water Interface. *Wat. Resour. Res.* 34: 3545-3559.
62. Barkovskii, A.L., and P. Adriaens. 1998. Impact of Model Humic Constituents on Microbial Reductive Dechlorination of Polychlorinated Dibenzo-p-Dioxins. *Environ. Toxicol. Chem.* 17: 1013-1021.
63. Lynam, M., J. Damborsky, M. Kutty, and P. Adriaens. 1998. Molecular Orbital Calculations to Probe Mechanism of Reductive Dechlorination of Polychlorinated Dioxins. *Environ. Toxicol. Chem.* 17(6): 998-1005.
64. Chapelle, F.H., S.K. Haack, P. Adriaens, M.A. Henry, and P.M. Bradley. 1996. Comparison of Eh and H₂ Measurements for Delineating Redox Processes in a Contaminated Aquifer. *Environ. Sci. Technol.* 30: 3565-3569.
65. Barkovskii, A.L., and P. Adriaens. 1996. Microbial Dechlorination of Historically Present and Freshly Spiked Chlorinated Dioxins and the Diversity of Dioxin-Dechlorinating Populations. *Appl. Environ. Microbiol.* 62: 4556-4562.
66. Adriaens, P., P.R.-L. Chang, and A.L. Barkovskii. 1996. Dechlorination of Chlorinated PCDD/F by Organic and Inorganic Electron Transfer Molecules in Reduced Environments. *Chemosphere* 32: 433-441.
67. Adriaens, P., Q. Fu, and D. Grbic'-Galic. 1995. Bioavailability and transformation of highly chlorinated dibenzo-p-dioxins and dibenzofurans in anaerobic soils and sediments. *Environ. Sci. Technol.* 29: 2252-2261.
68. Petrovskis, E. A., T.M. Vogel, and P. Adriaens. 1994. Effects of Electron Acceptors and Donors on Transformation of tetrachloromethane by Shewanella putrefaciens MR1. *FEMS Microbiol. Lett.* 121: 357-364.
69. Adriaens, P. and D. Grbic'-Galic'. 1994. Cometabolic Transformation of Mono- and Dichloro- and Chlorohydroxybiphenyls by Methanotrophic Groundwater Isolates. *Environ. Sci. Technol.* 28: 1325-1330.
70. Adriaens, P. 1994. Chlorine Migration During Oxidation of 2-Chlorobiphenyl by a Type II Methanotroph: Evidence for the NIH shift. *Appl. Environ. Microbiol.* 60: 1658-1662.
71. Adriaens, P. and D. Grbic'-Galic'. 1994. Reductive Dechlorination of PCDD/F by Anaerobic Cultures and Sediments. *Chemosphere* 29: 2253-2259.
72. Adriaens, P. and D. D. Focht. 1991. Cometabolism of 3,4-Dichlorobenzoate by Acinetobacter sp. strain 4-CB1. *Appl. Environ. Microbiol.* 57: 173-179.
73. Adriaens, P. and D. D. Focht. 1991. Evidence for Inhibitory Substrate Interactions During Cometabolism of 3,4-dichlorobenzoate by Acinetobacter sp. strain 4-CB1. *FEMS Microbiol. Ecol.* 85: 293-300.
74. Adriaens, P. and D. D. Focht. 1990. Continuous Coculture Degradation of Selected Polychlorinated Biphenyl Congeners by Acinetobacter spp. in an Aerobic Reactor System. *Environ. Sci. Technol.* 24: 1042-1049.
75. Adriaens, P., Kohler, H.-P. E., Kohler-Staub, D. and D. D. Focht. 1989. Bacterial Dehalogenation of Chlorobenzoates and Co-culture Biodegradation of 4,4'-Dichlorobiphenyl. *Appl. Environ. Microbiol.* 55: 887-892.

Refereed Conference Papers

1. Adriaens, P., and D. de Lange. 2013. Balancing Exploration and Exploitation in Small World Clean-Tech Clusters. Academy of Management Conference, Orlando, FL
2. Adriaens, P., and D. de Lange. 2013. Field Structuration Around New Issues: Clean Energy Entrepreneurialism in Emerging Economies. Sustainability, Ethics, Entrepreneurship Conference, Denver, CO.
3. Kim, S., and P. Adriaens. 2012. Predictive Financial Metrics for Sustainability in the Paper Industry. Proceed. PaperCON 2012, New Orleans, LA
4. Kim, S., and P. Adriaens. 2012. Valuation of Sustainability in the Paper Industry: A Strategic Imperative. Corporate Strategy, Proceed. Acad. Manage. Sustainability Conference.

5. Adriaens, P., S. Lesser, and B. Taube. 2012. CleanTech Clusters – Scaling Local Economic Development for Global Investment. Published in Environmental Finance (February issue) Presented at “Investing in the Low Carbon Economy Conference”, London, UK.
6. Adriaens, P., J. Wolfe, N. Barabas, and T. Redder. 2011. Semipermeable Membrane Devices to Quantify Effectiveness of Sediment Capping Strategies. ICOTBE 2011: Conference Paper, 11th International Conference on the Biogeochemistry of Trace Elements, Florence, Italy.
7. Adriaens, P., and T. Faley. Global Entrepreneurial Business Strategies: Teaching CleanTech Venture Assessment in the US and China, Roundtable on Entrepreneurship Education, Hong Kong, China (10/09)
8. Adriaens, P., and T. Faley. Entrepreneurial Business Fundamentals for Scientists and Engineers. Am. Soc. Eng. Educ., Pittsburg, PA (6/08)
9. Faley, T., and P. Adriaens. Developing a Joint Engineering/Business School Entrepreneurial Curriculum. Am. Soc. Eng. Educ., Pittsburg, PA (6/08)
10. Garabrant, D., Franzblau, A., Hedgeman, B., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Adriaens, P., Demond, A., Zwica, L., Little, R., Elliot, M., Lepkowski, J., Olson, K., Patterson, D. Serum 2,3,7,8-TCDD Concentration in a Michigan, USA Population with No Unusual Sources of Exposure. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
11. Garabrant, D., Franzblau, A., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Lee, S.-Y., Adriaens, P., Demond, A., Joliet, O., Wenger, Y., Luxemburg, W., Lepkowski, J., Maier, M. Linear Regression Modeling to Predict Household Dust TEQ and TCDD Concentration. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
12. Garabrant, D., Franzblau, A., Hedgeman, B., Gillespie, B., Hong, B., Chen, Q., Lee, S.-Y., Towey, T., Adriaens, P., Demond, A., Zwica, L., Lepkowski, J. Human Exposure to Dioxins From Clay: A Case Report. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
13. Joliet, O., Wenger, Y., Millbrath, M. Garabrant, D., Franzblau, A., Gillespie, B., Adriaens, P., Towey, T., Historical Trends of Dioxins and Furans in Sediments and Fish from the Great Lakes. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
14. Adriaens, P., Demond, A., Towey, T., Trinh, H., Garabrant, D., Franzblau, A., Gillespie, B., Gwinn, D., and Chang, S.-C. Sensitivity Analysis of Soil Dioxin Cluster Profiles to Regional Specification for a Community in Michigan. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
15. Trinh, H., Adriaens, P., Demond, H., Goovaerts, P., Hong, B., Garabrant, D., and Franzblau, A. Congener-Specific Differentiation of Soil Samples in the City of Midland, Michigan using Multi- Dimensional Scaling. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
16. Garabrant, D., Franzblau, A., Hedgeman, B., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.Y., Adriaens, P., Demond, A., Lepkowski, J., LaDronka, K., Ward, B., Olsen, K. Effects of Sample Design on Statistical Inferences from the UMDES. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
17. Garabrant, D., Franzblau, A., Hedgeman, B., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Towey, T., Adriaens, P., Demond, A., Sima, C., Zwica, L., Luxemburg, W., Lepkowski, J., Olsen, K., and Maier, M. Impact of the Changes in WHO TEF Values From 1998 to 2005 on the Total TEQ Values in Serum, Household Dust and Soil. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
18. Garabrant, D., Franzblau, A., Hedgeman, B., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Adriaens, P., Demond, A., Luxemburg, W., Lepkowski, J., Olsen, K., and Maier, M. Current Estimated of Background Serum TCDD Levels in the U.S. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
19. Garabrant, D., Franzblau, A., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Adriaens, P., Demond, A., Luxemburg, W., Lepkowski, J., and Maier, M. A Follow-up Investigation of Homes with ‘High’ Concentrations of PCDDs, PCDFs, and Dioxin-Like PCBs in House Dust. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
20. Adriaens, P., Towey, T., Barabas, N., Garabrant, D., Franzblau, A., Hedgeman, B., Gillespie, B., Demond, A., Trinh, H., Zwica, L., Lepkowski, J. Chang, S.-C., Multivariate Statistical Analysis of Dioxin Profiles to Explain Source Contributions to Serum Dioxins. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
21. Garabrant, D., Franzblau, A., Hedgeman, B., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Towey, T., Adriaens, P., Trinh, H., Demond, A., Sima, C., Lepkowski, J. Association of Soil Dioxin Concentration with Serum Dioxin Concentrations in Midland, Michigan, USA. Proceed. Dioxin 2007, Tokyo, Japan (9/07).

22. Garabrant, D., Franzblau, A., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Lee, S.-Y., Towey, T., Adriaens, P., Demond, A., Zwica, L., Lepkowski, J. Linear Regression Modeling to Predict Household Dust PCDF Congener Concentrations. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
23. Garabrant, D., Franzblau, A., Hedgeman, E., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Towey, T., Adriaens, P., Demond, A., Joliet, O., Zwica, L., Luxemburg, W., Lepkowski, J. Maier, M. Predictors of Serum 2378-TCDD Concentrations in a background Populations in Michigan, USA. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
24. Garabrant, D., Franzblau, A., Hedgeman, E., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Towey, T., Adriaens, P., Demond, A., Joliet, O., Zwica, L., Luxemburg, W., Lepkowski, J. Maier, M. Predictors of Serum 23578-PentaCDF Concentrations in a background Populations in Michigan, USA. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
25. Garabrant, D., Franzblau, A., Hedgeman, E., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Towey, T., Adriaens, P., Demond, A., Joliet, O., Wenger, Y., Milbrath, M.. Comparison of Linear Models with and without PBPK Covariate. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
26. Garabrant, D., Franzblau, A., Hedgeman, B., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Adriaens, P., Demond, A., Trinh, H., Towey, T., Wenger, Y., Zwica, L., Luxemburg, W., Lepkowski, J., Olson, K., Maier, M. Factors That Predict Serum Dioxin Concentrations in Michigan, USA. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
27. Garabrant, D., Franzblau, A., Hedgeman, E., Knutson, K., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Towey, T., Adriaens, P., Demond, A., Joliet, O., Zwica, L., Lepkowski, J. Olsen, K. Comparison of Logistic and Linear Regression Models for Serum 2378-TCDD Concentrations in Residents of Midland, MI. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
28. Garabrant, D., Franzblau, A., Gillespie, B., Hong, B., Chen, Q., Chang, C.-W., Lee, S.-Y., Adriaens, P., Demond, A., Towey, T., Milbrath, M., Joliet, O., Wenger, Y., Luxemburg, W., Lepkowski, J., Maier, M. Effect of age and historical intake on blood dioxin concentrations: PBPK modeling to support statistical analyses. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
29. Garabrant, D., Franzblau, A., Gillespie, B., Chang, C.-W., Adriaens, P., Joliet, O., Wenger, Y., Milbrath, M., Lepkowski, J., Half-Lives of Dioxins, Furans, and PCBs as a Function of Age, Body Fat, Breastfeeding and Smoking Status. Proceed. Dioxin 2007, Tokyo, Japan (9/07).
30. Garabrant, D., Hong, B., Adriaens, P., Demond, A., Trinh, H., Towey, T., Gwinn, D., Goovaets, P. Construction and Validation of a Geostatistical Model of PCDD and PCDF Deposition From Incineration. Proceed. Dioxin 2007, Kyoto, Japan (9/07).
31. Adriaens, P., Clark, C.E., Wolfe, J., and R. Sulewski. Optimization of Green Roof Systems for Multifunctional Buildings: A Three-Year Integrated Civil and Environmental Engineering Design Course Experience. Proceed. American Society for Engineering Education, Honolulu, Hawaii (6/07).
32. Clark, C.E., C.M. Lastoskie, and P. Adriaens. Fugacity-Based Model within Green Roof Systems. Proceed. Green Roofs for Healthy Cities Conference, Minneapolis, MO (4/07)
33. Clark, C.E., B. Talbot, and P. Adriaens. 2006. Urban Non-Point Source Air and Water Emission Mitigation by Green Roof Systems, Conf. "Towards the city surface of tomorrow - reducing emissions by linking urban systems, building materials and values for design.", Vienna, Austria (06/06).
34. Clark, C.E., P. Adriaens, and B. Talbot. 2006. Probabilistic Economic Analysis of Green Roof Benefits for Policy Design. Proceed. Green Roof for Healthy Cities Conference, Boston, MA
35. Adriaens, P., and M.Y. Li. 2005. Scaling Contaminant Distributions and Contaminant Processes. Proceedings, NATO Conference on Sediment Processes and Remediation, Bratislava, Slovakia, May 2005
36. Adriaens, P., and M.Y. Li. 2005. Scaling and Uncertainty of in Situ Biotransformation of Chlorinated Dioxins in Sediments of US Rivers and Lakes. Proceed. International Summer School "Biomonitoring, bioavailability and microbial transformation of pollutants in sediments and approaches to stimulate their biodegradation". Italian Inter-University Consortium "Chemistry for the Environment" INCA, Genoa, Italy.
37. Li, M.Y., N. Barabas, and P. Adriaens. 2005. M-Scale Model for Multi-Scale Estimation of Dioxin Data. Organohalogen Compounds 67: xxx-xxx.
38. Clark, C.E., B. Talbot, J. Bulkley, and P. Adriaens. 2005. "Optimization of Green Roofs for Air Pollution Mitigation. Proceed. Green Roof for Health Cities, Washington, DC.

39. Adriaens, P., C. Gruden, A. Khijniak, K. Jones, and N. Green. 2004. Dioxin Cycling in Estuarine Systems. *Organohalogen Compounds* 66: 2373-2378.
40. Adriaens, P., D. Garabrant, A. Franzblau, B. Gillespie, and J. Lepkowski. 2004. The Michigan Dioxin Exposure Study: Planning Phase. *Organohalogen Compounds* 64: 2497-2503.
41. Gruden, C.L., A. Khijniak, Albrecht, I.D. and Adriaens, P. 2002. Flow Cytometric Characterization of Hydrogen-Enhanced Microbial Dechlorination in Dioxin Contaminated Sediments. *Proceed. In Situ and On Site Bioremediation Conference*, Monterey, CA.
42. Gruden, C.L., Albrecht, I.D. and Adriaens, P. 2002. Hydrogen-enhanced Dechlorination in Contaminated Coastal Sediments. In *Remediation and Beneficial Re-use of Contaminated Sediments* (Hinchee, R.E., Porta, A., and Pellei, M, Eds.), pp. 87-94. Battelle Press, Columbus, OH.
43. Skerlos, S., P. Adriaens, K. Kurabayashi, K. Hayes, S. Takayama, A. Rihana. 2001. Challenges to Achieving Sustainable Aqueous Systems: A Case Study in Metalworking Fluids. *The Second International Symposium on Inverse Manufacturing*, Tokyo, Japan, pp. 146-153.
44. Adriaens, P, M. J. Barcelona, K. F. Hayes, and M. L. McCormick. 2001. Biotic and Abiotic Dechlorination Under Iron- and Sulfate-Reducing Conditions. *Proceed. Battelle Conference*, San Diego, CA.
45. Lendvay, J.M., P. Adriaens, M.J. Barcelona, C. L. Major, Jr., J.M. Tiedje, M Dollhopf, F.Löffler, B.Z.Fathepure, E.A.Petrovskis, M. Gebhard, and G.Daniels, R. Hickey, R. Heine, and J. Shi. 2001. Preventing Contaminant Discharge to Surface Waters: Plume Control with Bioaugmentation. *Proceed. Battelle Conference*, San Diego, CA.
46. Lendvay, J.M., M.J. Barcelona, G. Daniels, M. Dollhopf, B.Z. Fathepure, M. Gebhard, R. Heine, R. Hickey, F. Loeffler, C.L. Major, Jr., E.A. Petrovskis, J. Shi, J.M. Tiedje, and P. Adriaens. 2002. Plume Control Using Bioaugmentation with Halorespiring Microorganisms. In *Thornton, S.F., and S.E. Oswald, Groundwater Quality: Natural and Enhanced Restoration of Groundwater Pollution*, pp. 325-333, International Association of Hydrological Sciences, Oxfordshire, U.K.
47. McCormick, M.L., P.T. Jung, P.G. Koster van Groos, K.F. Hayes, and P. Adriaens. 2002. Assessing biotic and abiotic contributions to chlorinated solvent transformation in iron-reducing and sulfidogenic environments. In *Thornton, S.F., and S.E. Oswald, Groundwater Quality: Natural and Enhanced Restoration of Groundwater Pollution*, pp. 119-125, International Association of Hydrological Sciences, Oxfordshire, U.K.
48. Skubal, K.L., and P. Adriaens. 2000. Kritische Analyse von Natural (Bio)Attenuation Raten und Modellen: Anwendung auf aerobe und anaerobe Prozessen. In *DECHEMA, Natural Attenuation: Moeglichkeiten und Grenzen naturnaher Sanierungsstrategien*, DECHEMA Press, Frankfurt a.M..
49. McCormick, M.L., Han S. Kim, E.J. Bouwer, and P. Adriaens. 1998. Biotic and Abiotic Contributions to Dechlorination Activity Under Iron-Reducing Conditions. In *Hazardous and Industrial Waste -30th Mid-Atlantic Industrial WasteConference* pp. 339-349. Technomic Publishing Company, Inc., Lancaster PA.
50. Albrecht, I.D., A.L. Barkovskii, and P. Adriaens. 1998. Stimulation of PCDD Dechlorination in Historically-Contaminated Sediments. In *Johanson, N., A. Bergman, D. Broman, H. Hakanson, B. Janson, E.K. Wehler, L. Poellinger, and B. Wahlstron (Eds.), Organohalogen Compounds* 36, pp. 437-441. Swedish Environmental Protection Agency, Stockholm Sweden.
51. Adriaens, P., A.L. Barkovskii, I.D. Albrecht, Q. Fu, and 1998. Degradation of Dioxins Under Aerobic and Anaerobic Conditions: State-of-the-Art and Implications for Bioremediation. In *Johanson, N., A. Bergman, D. Broman, H. Hakanson, B. Janson, E.K. Wehler, L. Poellinger, and B. Wahlstron (Eds.), Organohalogen Compounds* 36, pp. 429-433. Swedish Environmental Protection Agency, Stockholm Sweden.
52. Fu, Q., A.L. Barkovskii and P. Adriaens. 1998. Reductive Dechlorination of Polychlorinated Dioxins by Humic Materials Under Reducing Conditions. In *Johanson, N., A. Bergman, D. Broman, H. Hakanson, B. Janson, E.K. Wehler, L. Poellinger, and B. Wahlstron (Eds.), Organohalogen Compounds* 36, pp. 433-437. Swedish Environmental Protection Agency, Stockholm Sweden.
53. Albrecht, I.D., A.L. Barkovskii, P. Adriaens, K.P. Naikwadi, and P.P. Wadgaonkar. 1998. Method Development for Analysis of PCDD from Stimulated Dechlorination Reactions by Sediment-Derived Microorganisms. *Short Paper Dioxin '98*, Stockholm, Sweden.
54. Adriaens, P. 1998. Geophysical and Biogeochemical Characterization of Contaminated Aquifers to Assess the Natural Bioremediation Potential. *Warszawa'98, IIId International Chemistry Symposium*. Warsaw, Poland.
55. Albrecht, I.A., and P. Adriaens. 1997. Evaluating the Fate of Dioxins in Reduced Sediments: Evidence for Natural Reductive Dechlorination Processes. In *H. Verachtert and W. Verstraete (Eds.), International*

-
- Symposium for Environmental Biotechnology (ISEB), pp. 405-408. Technological Institute, Antwerp, Belgium.
56. Adriaens, P. 1997. Natural Attenuation of Aryl Halides in Soils and Sediments: Recalcitrance vs. Environmental Analysis. In H. Verachtert and W. Verstraete (Eds.), International Symposium for Environmental Biotechnology (ISEB), pp. 123-127. Technological Institute, Antwerp, Belgium.
 57. Lendvay, J.M., M.M. McCormick, S. Dean, and P. Adriaens. 1997. Natural Remediation Potential of Contaminated Groundwater Surface Water Interfaces Under Anaerobic Conditions. White Paper, 5th FAO/SREN (Sustainable Rural Environment and Energy Network) Workshop 'Anaerobic Conversions for Environmental Protection, Sanitation and Re-Use of Residues'. Gent, Belgium. REUR Technological Series 51. ISSN 1024-2368.
 58. Barkovskii, A. and P. Adriaens. 1995. Biological and Abiotic Dechlorination of Highly Chlorinated Dioxins in a Bi-Phasic Microcosm System. In R. E. Hinchee, R.E. Hoeppe, and D.B. Anderson (Eds.) Bioremediation of Recalcitrant Organics, pp. 73-82. Batelle Press, Columbus OH.
 59. Petrovskis, E.A., T.M. Vogel, D.A. Saffarini, K.H. Nealson, and P. Adriaens. 1995. Transformation of Tetrachloromethane by *Shewanella putrefaciens* MR-1. In R.E. Hinchee, A. Leeson, and L. Semprini (Eds.) Bioremediation of Chlorinated Solvents, pp. 61-69. Batelle Press, Columbus OH.
 60. Petrovskis, E. A., and P. Adriaens. 1995. Dechlorination of Tetrachloromethane by *Shewanella putrefaciens* MR-1: A Role for Menaquinone. Abstr. Beijerinck Centennial. Microbial Physiology and Gene Regulation: Emerging Principles and Applications, pp. 176-177. The Hague, The Netherlands.
 61. Barkovskii, A.L., and P. Adriaens. 1995. Reductive Dechlorination of Tetrachlorodibenzo-p-Dioxin Partitioned from Historically-Contaminated Sediments to an Autochthonous Microbial Community. Organohalogen Compounds 24: 17-21, Dioxin '95, Edmonton, Canada.
 62. Adriaens, P. 1995. Bioremediation of Chlorinated Aromatic Compounds: Learning from Natural Attenuation Processes. Organohalogen Compounds 24: 1-5, Dioxin '95, Edmonton, Canada.
 63. Lendvay, J., M. McCormick and P. Adriaens. 1995. Intrinsic bioremediation of trichloroethylene at the St. Joseph Aquifer/Lake Michigan interface: A role for iron and sulfate reduction. Abstr. Symp. Bioremed. Haz. Wastes; Research, Development and Field Evaluations (Rye Brook, NY), pp. 3-6. EPA/600/R-95/076
 64. Adriaens, P. Barkovskii, A., and Q. Fu. 1994. Biological and abiotic dechlorination of highly chlorinated PCDD/F: Issues of bioavailability and pathways. Organohalogen Compounds 21: Dioxin '94, Kyoto, Japan.
 65. Adriaens, P., and D. Grbic'-Galic'. 1993. Anaerobic microbial transformation of highly chlorinated dibenzo-p-dioxins and dibenzofurans. EPA/600/R-93/054.
 66. Adriaens, P., and D. Grbic'-Galic'. Reductive dechlorination of PCDD and PCDF by anaerobic sediments and cultures. Organohalogen Compounds 12: 107-111. Dioxin '93, Vienna, Austria.
 67. Adriaens, P. and D. Grbic'-Galic'. Effect of Co-contaminants and Concentration of the Anaerobic Bioconcentration of PCDD/F in Methanogenic River Sediments. Organohalogen Compounds 8: 209-213. Dioxin '92 Conference, Tampere, Finland.
 68. Adriaens, P. Laboratory Methods for the Aerobic Destruction of PCBs: A Viable Approach towards Environmental Cleanup? Organohalogen Compounds 3: 347-351. Dioxin '90, Bayreuth, Germany.

Book Chapters:

1. Adriaens, P., and T. Faley. 2012. Teaching Entrepreneurial Business Strategies in Global Markets: Comparison of CleanTech Venture Assessment in the US and China. In T. Hugh and D. Kelley (Eds.), Entrepreneurship Education in Asia, Edward Elgar Publishing, Boston.
 2. Adriaens, P. 2010. Leading Innovations: CleanTech. In Encyclopedia of Sustainability, V2: The Business of Sustainability (Birkshire Publishing), FL.
 3. Adriaens, P., Gruden, C., and M.L. McCormick. 2006. In Lollar, B.S. (Ed.), Biogeochemistry of Halogenated Hydrocarbons. In Treatise of Geochemistry, Volume 9: Environmental Geochemistry, Elsevier, Amsterdam, The Netherlands.
 4. Adriaens, P., Gruden, C., and M.L. McCormick. 2003. In Lollar, B.S. (Ed.), Biogeochemistry of Halogenated Hydrocarbons. In Treatise of Geochemistry, Volume 9: Environmental Geochemistry, pp. 511-541, Elsevier, Amsterdam, The Netherlands.
 5. Adriaens P, Barkovskii A. L. 2002 Fate and Microbial Degradation of Organohalides. In: Encyclopedia of Environmental Microbiology (G. Britton, Editor-in Chief), pp. 1238-1252, Wiley & Sons, NY.
-

6. Gruden C., Q. S. Fu, Barkovskii A. L., Albrecht I. D., Lynam M. M., and P. Adriaens. 2003 Dechlorination of Dioxins in Sediments: Catalysts, Mechanisms, and Implications for Remedial Strategies and Dioxin Cycling. In: Dehalogenation: Microbial Processes and Environmental Applications, pp. 347-373 (M. M. Häggblom, I. D. Bossert, Eds.), Wiley & Sons.
7. Adriaens, P. Q. S. Fu, I. D. Albrecht, and A. L. Barkovskii. 2000. The Dioxin Conundrum: Sources, Sinks, and Natural Attenuation. In Wickramanayake, G.B., A.R. Gavaskar, and M.E. Kelley (Eds.), Natural Attenuation Considerations and Case Studies: Remediation of Chlorinated and Recalcitrant Compounds, pp. 161-169. Battelle Press, Columbus, Ohio.
8. Adriaens, P., Q. S. Fu, I.D. Albrecht, and A.L. Barkovskii. 1999. Effects of Sediment Biogeochemistry on Dioxin Dechlorination Patterns: The New York-New Jersey Estuary. In Mocarelli (Ed.), Proceedings of the 19th International Symposium on Halogenated Environmental Organic Pollutants and POPs (Organohalogen Compounds 41), pp. 373-378, EMMEZETA Congressi, Milan, Italy.
9. Adriaens, P. A.L. Barkovskii, and I.D. Albrecht. 1999. Fate of Chlorinated Aromatic Compounds in Soils and Sediments In D.C. Adriano, J.-M. Bollag, W.T. Frankenberger, and R. Sims (Eds), Bioremediation of Contaminated Soils, Soil Science Society of America/American Society of Agronomy Monograph, Soil Science Society of America Press, Madison WI. Pp. 175-212.
10. Adriaens, P., J.M. Lendvay, M.L. McCormick, and S.M. Dean. 1997. Biogeochemistry and Dechlorination Potential at the St. Joseph Aquifer-Lake Michigan Interface. In B.C. Alleman and A. Leeson (Eds.), In Situ and On Site Bioremediation: Volume 3, pp. 173-179, Battelle Press, Columbus OH.
11. Adriaens, P., A.L. Barkovskii, M. Lynam, J. Damborsky, and M. Kutý. 1996. Polychlorinated Dibenzo-p-Dioxins in Anaerobic Soils and Sediments: A Quest for Dechlorination Pattern-Microbial Activity Relationships. In W.J.G.M. Peijnenburg and J. Damborsky (eds.), Biodegradability Prediction, pp. 51-64. Kluwer Academic Publishers, The Netherlands.
12. Lindner, A.S., and P. Adriaens. 1995. Microbial Ecology of PCB Transformation in the Environment: A Role for Methylophiles? In Lidstrom, M.E., and F.R. Tabita (Eds.), Microbial Growth on C1-Compounds, pp. 269-277. Kluwer Academic Publishers, The Netherlands.
13. Adriaens, P. and T.M. Vogel. 1995. Treatment Processes for Chlorinated Organics. In L.Y. Young and C. Cerniglia (eds.), Microbiological Transformation and Degradation of Toxic Organic Chemicals, pp. 427-476. John Wiley and Sons, Inc., New York, N.Y.
14. Adriaens, P., and W. J. Hickey. 1994. Physiology of Biodegradative Microorganisms. In D. L. Stoner (ed.), Biotechnology for the Treatment of Hazardous Waste, pp. 45-71. Lewis Publishers, Inc., Chelsea, MI.
15. Adriaens, P., C.-M. Huang and D. D. Focht. 1991. Biodegradation of PCBs by Aerobic Microorganisms. In R. A. Baker (ed.), Organic Substances and Sediments in Water, Vol.I, p. 311-327. Lewis Publishers, Inc., Chelsea, MI.

Edited Books/Books:

1. Peter Adriaens and Antti Tahvanainen. 2016. "Financial Innovation for Industrial Renewal (ETLA Press; negotiating with UM Press for US release)", Release on June 16 2016.
2. "Scaling Up Payments for Watershed Services" (April 2013). Authors: Adriaens, Daniel Cantor, Colm Fay, Emily Levine, Chris Zwicke (Available on Amazon)
3. "Accelerating New Mobility Entrepreneurship in Emerging Economies". Authors: Aaron Desatnik, Therese Miranda-Blackney, Elizabeth Reisman, Jason Sekhon, Samuel Shingledecker (Adriaens and Zielinski) (will be Published by the Erb Institute for Global Sustainable Enterprise and sold through Amazon).
4. Adriaens, P., R. Clement, G. Hunt, D. Muir, and S. Ramamoorthy. 1995. Organohalogen Compounds, Volume 24. 522 pp.

Reports:

1. Adriaens, P. et al. (8 co-authors). 2009. State of the Art of In Place Sediment Remediation Technologies. Report to the Dow Chemical Company – Tittabawassee Sediment Dioxin Remediation Program.
2. Adriaens, P. et al (12 co-authors). 2007. Impact of Ebullition and Diffusion-Based Contaminant Transport on Reactive Sediment Caps. DoD/DoE/EPA Strategic Environmental Research Program.

3. Wolfe, J., McCulloch, R., Peterson, G., and P. Adriaens. 2004. Hydrogen Technology Development for In Situ Remediation of Pearl Harbor Sediments. U.S.Navy. and Superfund Innovative Technology Evaluation Program.
4. Adriaens, P., Weber Jr, W., Hayes, K.F., S. Batterman, J. Blum and P. Meyers. 2002. Great Lakes Sediments: Contamination, Toxicity, and Beneficial Re-Use. White Paper, Michigan Sea Grant.
5. Adriaens, P. 1999. Remediation Strategies for Dioxin-Contaminated Matrices: State-of-the-Art and Applications for the Pulp and Paper Industry. NCASI Report 98-xx.
6. Adriaens, P. 1998. Dynamics of polychlorinated dibenzo-p-dioxins in soils and sediments: Trends and mechanistic interpretation of degradative activity. Workshop "From Dioxins and PCBs to Chemical Hygiene", June 12 1998, Antwerp, Belgium. Technological Institute, Antwerp, Belgium.
7. Adriaens, P. 1996. Effects of polycyclic aromatic hydrocarbons on reductive transformation of polychlorinated dibenzo-p-dioxins in sediments: A literature review. Miscellaneous Paper D-97-xx, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
8. Adriaens, P., et al. 1995. Dioxins and Phthalates in Soil: A Critical and Comparative Assessment. Dechema (Deutsche Gesellschaft für Chemisches Apparatewesen, Chemische Technik u. Biotechnologie) Publication, Frankfurt am Main, ISBN 3-926959-51-7.
9. Adriaens, P., DeWillie, G.R. and D. Grbic'-Galic'. 1991. Aerobic Methanotrophic Transformation of Mono- and Dichlorobiphenyls. In: H.L. Finkbeiner and S.B. Hamilton, General Electric Company Research and Development Program for the Destruction of PCBs: Tenth Progress Report, pp. 205-219.

Other Conference Proceedings:

1. Tahvanainen, A.J., D. Assanis, and P. Adriaens. 2016. On the Potential of the Bioeconomy as an Economic Growth Sector. Economic Policy Conference, Helsinki, Finland.
2. Adriaens, P. and A.J. Tahvanainen. 2015. An industry ecosystem approach to inform economic policy. Presented at the Global CleanTech Investment Conference for the Nordics, Helsinki, Finland.
3. Adriaens, P., S. Lesser, and B. Taube. 2012. The Case for Clustering: Global CleanTech Cluster Association. CleanTech Investment Conference, Melbourne, Australia (2/11).
4. Adriaens, P. 2012. The Solar-Water Nexus: Supporting A Renewable Resource with a Finite One. Ben Gurion University of the Negev. US-Israel Solar Workshop, Israel (2/11).
5. Adriaens, P., and T. Faley. 2011. The KeyStone Method: Opportunity Identification in CleanTech. CleanTech Investment Conf., Dublin, Ireland (11/11).
6. A dozen or so additional conference abstracts from 2010 and 2011 dioxin conferences.
7. Rice, J., P. Chen, C. Lastoskie, G. Kaul, and P. Adriaens. 2010. Energy Utilities Investments for Alternative Cooling Technologies: A Real Options Approach. Proceed. Electric Utilities Environmental Conference (EUEC). Phoenix, AZ.
8. Levine, R., A. Oberlin, P. Savage, and P. Adriaens. 2009. A Value Chain and Life Cycle Assessment Approach to Identify Technological Innovation Opportunities in Algae Biodiesel. CTSI CleanTech Conference, Houston TX.
9. Li, M.-Y., A. M. Michalak and P. Adriaens. 2009. M-Scale: Uncertainty-Based Risk Classification and Scaling for Remedial Decision-Making. CTSI CleanTech Conference, Houston TX.
10. Rice, J., O. A. Watson, P. Chen, G. Kaul, and P. Adriaens. 2009. Investment Decision-Making for Alternative Cooling Technologies. CTSI CleanTech Conference, Houston TX.
11. Dekker, T., and P. Adriaens. 2009. Restoration of Lower Don Lands: A Case Study in Brownfields Redevelopment. CTSI CleanTech Conference, Houston TX.
12. Adriaens, P., S. J. Wright, T. Redder, J. Wolfe, J. DePinto, N. Barabas. 2009. Integrating Site and Laboratory Data Using an Uncertainty-Based Sediment Capping Model. Battelle Sediment Conference, Jacksonville, FL.
13. Garabrant, D.H., B. Hong, O. Joliet, X. Jiang, Q. Chen, B. Hedgeman, K. Knutson, T. Towey, D.H. Garabrant, A. Franzblau, B. Gillespie, J. Lepkowski, P. Adriaens, O. Joliet, and A.H. Demond. 2009. Public health impact of dioxin exposure pathways in the UMDES, based on linear regression models. Proceed. Dioxin 2009, Beijing, China.
14. Franzblau, A., B. Hedgeman, X. Jiang, Q. Chen, B. Hong, K. Knutson, T. Towey, D.H. Garabrant, A. Franzblau, B. Gillespie, J. Lepkowski, P. Adriaens, O. Joliet, and A.H. Demond. 2009. The University of

-
- Michigan Dioxin Exposure Study: An investigation of serum outliers for TEQ, 2,3,7,8-TCDD, 2,3,4,7,8-PeCDF and PCB-126. *Proceed. Dioxin 2009*, Beijing China.
15. Jiang, X., Q. Chen, D.H. Garabrant, A. Franzblau, B. Gillespie, J. Lepkowski, P. Adriaens, and A.H. Demond. 2009. Logistic regression models of high serum dioxin levels. *Proceed. Dioxin 2009*, Beijing China.
 16. Hong, B., D.H. Garabrant, X. Jiang, Q. Chen, A. Franzblau, B. Gillespie, J. Lepkowski, P. Adriaens, and A.H. Demond. 2009. Factors that predict serum concentrations of 2,3,7,8-TCDD in people from Michigan, USA, *Proceed. Dioxin 2009*, Beijing China.
 17. Trinh, H., P. Goovaerts, P. Adriaens, DH Garabrant, A. Franzblau, J. Lepkowski, A.H. Demond, and B. Gillespie. 2009. Validation of the AERMOD dispersion model: Application to congener-specific deposition from an incinerator in Midland, Michigan. *Proceed. Dioxin 2009*, Beijing China.
 18. Rice, J., P. Chen, C. Lastoskie, G. Kaul, and P. Adriaens. 2009. Energy Utilities Investments for Alternative Cooling Technologies: A Real Options Approach. *Proceed. Electric Utilities Environmental Conference (EUEC)*. Phoenix, AZ.
 19. Levine, R., A. Oberlin, P. Savage, and P. Adriaens. 2009. A Value Chain and Life Cycle Assessment Approach to Identify Technological Innovation Opportunities in Algae Biodiesel. *CTSI CleanTech Conference*, Houston TX.
 20. Li, M.-Y., A. M. Michalak and P. Adriaens. 2009. M-Scale: Uncertainty-Based Risk Classification and Scaling for Remedial Decision-Making. *CTSI CleanTech Conference*, Houston TX.
 21. Rice, J., O. A. Watson, P. Chen, G. Kaul, and P. Adriaens. 2009. Investment Decision-Making for Alternative Cooling Technologies. *CTSI CleanTech Conference*, Houston TX.
 22. Dekker, T., and P. Adriaens. 2009. Restoration of Lower Don Lands: A Case Study in Brownfields Redevelopment. *CTSI CleanTech Conference*, Houston TX.
 23. Adriaens, P., S. J. Wright, T. Redder, J. Wolfe, J. DePinto, N. Barabas. 2009. Integrating Site and Laboratory Data Using an Uncertainty-Based Sediment Capping Model. *Battelle Sediment Conference*, Jacksonville, FL.
 24. Adriaens, P., M.-Y. Li, A. Michalak, J. Wolfe and N. Barabas. 2008. Uncertainty-Based Risk Classification and Scaling for Sediment Remedial Decision Making. *Battelle Conference*, Monterey, CA.
 25. Adriaens, P., R. Vannela, M. Gavril, S. Wright, J. Wolfe, T. Redder and N. Barabas, 2008. Semipermeable Membrane Devices to Quantify Effectiveness of Sediment Capping Strategies and Remedial Decision-Making. *Battelle Conference*, Monterey, CA.
 26. Clark, C.E., and P. Adriaens. 2008. Cost-Benefit Analysis of Green Roofs as an Emissions Mitigation Strategy for Utilities. *Proceed. Electric Utilities Environmental Conference (EUEC)*. Tucson, AZ.
 27. Clark, C.E., Adriaens, P., and B. Talbot. Building- and City- Scale Cost gap Analysis for Green Roof Implementation. *International Society for Industrial Ecology*, Toronto, Canada (6/07).
 28. Adriaens, P., Clark, C.E., and B. Talbot. Green Roofs to Capture Utilities Emissions: An Economic Framework. *Electric Utilities Environmental Conference*, Tucson, AZ. (1/07).
 29. Wolfe, J., and P. Adriaens. Sustainable Water Supplies for Energy Security – Business and Economic Issues. *Electric Utilities Environmental Conference*, Tucson, AZ. (1/07).
 30. Gavril, M., Li, M.-Y., Koning, K., Wright, S.J., and P. Adriaens. Scaling of Microbial Activity and Contaminant Transport in Capped and Uncapped Sediments. *Soc. Environ. Toxicol. Chem – Asia/Pacific*, Beijing, China (9/06).
 31. Franzblau A, Garabrant D, Adriaens P, Gillespie BW, Demond A, Olson K, Ward B, Hedgeman E, Knutson K, Zwica L, Towey T, Chen Q, Ladronka K, Sinibaldi J, Chang SC, Lee SY, Gwinn D, Sima C, Swan S, Lepkowski J. The University of Michigan Dioxin Exposure Study: Project Overview. *Proceed. Dioxin 2006*, Oslo, Norway (8/06).
 32. Lepkowski J, Olson K, Ward B, Ladronka K, Sinibaldi J, Franzblau A, Adriaens P, Gillespie BW, Chang SC, Chen Q, Demond A, Gwinn D, Hedgeman E, Knutson K, Lee SY, Sima C, Swan S, Towey T, Zwica L, Garabrant D. Survey Methodology in an Environmental Exposure Study: Methods to Assure Sound Inference. *Proceed. Dioxin 2006*, Oslo, Norway (8/06).
 33. Olson K, Lepkowski J, Ward B, Ladronka K, Sinibaldi J, Franzblau A, Adriaens P, Gillespie BW, Bandyk J, Chang SC, Chen Q, Demond A, Gwinn D, Hedgeman E, Knutson K, Lee SY, Sima C, Swan S, Towey T, Zwica L, Garabrant D. Prevalence of Exposure Routes in the University of Michigan Dioxin Exposure Study: Food Consumption, Recreational and Household Activities, Occupations and Demographics. *Proceed. Dioxin 2006*, Oslo, Norway (8/06).
-

34. Adriaens P, Demond A, Towey T, Chang SC, Chen Q, Franzblau A, Gillespie BW, Gwinn D, Hedgeman E, Knutson K, Ladronka K, Lee CY, Lepkowski J, Olson K, Sima C, Sinibaldi J, Swan S, Ward B, Zwica L, Garabrant D. Measurements of Soil Concentrations of PCDD, PCDF, and PCB from a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
35. Zwica L, Knutson K, Towey T, Hedgeman E, Franzblau A, Chen Q, Lee CY, Sima C, Gillespie BW, Adriaens P, Demond A, Lepkowski J, Ward B, Ladronka K, Olson K, Sinibaldi J, Chang SC, Gwinn D, Swan S, Garabrant D. Measurements of Household Dust Concentrations of PCDD, PCDF and PCBs from a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
36. Hedgeman E, Chen Q, Gillespie BW, Franzblau A, Knutson K, Zwica L, Sima C, Lee CY, Lepkowski J, Ward B, Ladronka K, Olson K, Sinibaldi J, Towey T, Adriaens P, Demond A, Chang SC, Gwinn D, Swan S, Garabrant D. Measurements of Serum Concentrations of PCDDs, PCDFs, and PCBs From a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
37. Garabrant D, Franzblau A, Lepkowski J, Adriaens P, Demond A, Hedgeman E, Knutson K, Zwica L, Chen Q, Olson K, Ward B, Towey T, Ladronka K, Sinibaldi J, Chang SC, Lee SY, Gwinn D, Sima C, Swan S, Gillespie BW. Environmental Factors that Explain Variation in Serum Dioxin Concentrations in a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
38. Chang SC, Adriaens P, Towey T, Wright D, Demond A, Gillespie B, Franzblau A, Garabrant D. Analysis of Patterns in PCDD, PCDF and PCB Soil Concentrations From a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
39. Adriaens P, Towey T, Chang SC, Demond A, Chen Q, Hong B, Lee CY, Gillespie BW. Analysis of Vegetation Concentrations of PCDD/F/PCBs From a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
40. Hedgeman E, Chang SC, Towey T, Demond A, Adriaens P, Chen Q, Franzblau A, Gillespie BW, Sima C, Garabrant D. Principal Components Analysis of Serum PCDD, PCDF and PCBs From a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
41. Zwica L, Chang SC, Towey T, Knutson K, Adriaens P, Demond A, Chen Q, Gillespie BW, Franzblau A, Garabrant D. Principal Components Analysis of Household Dust Concentrations of PCDD, PCDF and PCB From a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
42. Adriaens P, Goovaerts P, Swan S. Geostatistical Analysis of PCDD and PCDF Deposition from Incineration Using Stack Emissions and Soil Data. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
43. Franzblau A, Nosowsky R, Garabrant D, Lepkowski J, Gillespie BW, Adriaens P, Demond A, Churchill S. Human Subject Considerations in Environmental Research: The University of Michigan Dioxin Exposure Study. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
44. Towey T, Jolliet O, Adriaens P, Wenger Y, Chang SC, Hedgeman E, Demond A. Combined Intake and Pharmacokinetic Model to Predict Blood TCDD Concentrations. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
45. Ladronka K, Ward B, Olson K, Freeland S, Sinibaldi J, Hedgeman E, Zwica L, Towey T, Demond A, Franzblau A, Garabrant D, Adriaens P, Lepkowski J. Cross-Organizational Training on the University of Michigan Dioxin Exposure Study: Ensuring Consistency, Confidentiality, and Cooperation in Data Collection. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
46. Towey T, Adriaens P, Demond A, Wright D, Gwinn D, Gillespie BW. Geostatistical Analysis of PCDDs, PCDFs, and PCBs Soil Concentrations from a Community in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
47. Demond A, Towey T, Chang SC, Adriaens P, Luksemburg W, Favaro K, Wenning R, Kennington B. Methods for Sampling and Analyzing Soil for the University of Michigan Dioxin Exposure Study. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
48. Garabrant D, Franzblau A, Lepkowski J, Adriaens P, Demond A, Hedgeman E, Knutson K, Zwica L, Chen Q, Olson K, Ward B, Towey T, Ladronka K, Sinibaldi J, Chang SC, Lee SY, Gwinn D, Sima C, Swan S, Gillespie BW. Background Levels of PCDDs, PCDFs and PCBs in Blood, Soil, and Household Dust from a Community with no Known Exposure Source in Michigan, USA. *Proceed. Dioxin 2006, Oslo, Norway* (8/06).
49. Chang, S.-C., and P. Adriaens. "Flow Cytometric Detection of Mycobacteria in Metalworking Fluids Using Magnetic Nanoparticles and Cluster Analysis Aided Visualization Analysis", *Am. Soc. Microbiol. Mtg.*, Washington, DC (5/06).

-
50. Vannela, R., and P. Adriaens. "High Specificity DNzyme Nanosensors for Arsenic and Mercury". Battelle Conf., Monterey, CA. (May, 2006).
 51. Li, M.-Y., N. Barabas, and P. Adriaens. "M-Scale: A Novel Tool for Uncertainty-Based Multi-Scale Site Characterization", Battelle Conf., Monterey, CA. (May, 2006).
 52. Vannela, R., S. Jain, P. Adriaens, Q. Wang, O. Mileyeva-Bebiesheimer, and C. Gruden "Microbial Characterization and Projected Ebullition-Driven Contaminant Transport in Sediments", Battelle Conf., Monterey, CA. (May, 2006).
 53. Trinh, H., P. Adriaens, and C.M. Lastoskie. "Fate and transport of emerging contaminants: A probabilistic meta-analysis using the fugacity approach", Int. Groundwater Association, Costa Mesa, CA (March 2006).
 54. Vannela, R., and P. Adriaens. "Gold-functionalized DNzyme Nanosensors to Quantify Heavy Metal Gradients", Abstr. American Geophysical Society, San Francisco, CA (Dec. 2005).
 55. Vannela, R., P. Adriaens, and K.F. Hayes. "Geomicrobiological Regeneration of Iron Sulfides in Engineered barrier Systems", Abstr. American Geophysical Society, San Francisco, CA (Dec. 2005).
 56. Li, M.-Y., and P. Adriaens. "Comparing Estimators of Microbiological Attributes by Random Subsamples. Abstr. American Geophysical Society, San Francisco, CA (Dec. 2005).
 57. Dolney, N. and P. Adriaens. "The Next Generation of Microbial Fuel Cells: Integration of Nanotechnology", American Chemical Society Mtg., Washington, DC August 2005.
 58. Chang, S.-C. and P. Adriaens. "Comparing labeling efficiency and specificity of nano-immunomagnetic particles and free antibodies on mycobacteria in metalworking fluids", American Chemical Society Mtg., Washington, DC August 2005
 59. Vannela, R., and P. Adriaens. "DNzyme-functionalized Gold Nanoparticles for Detection of Heavy Metals", American Chemical Society Mtg., Washington, DC August 2005
 60. Clark, C.E., B. Talbot, J. Bulkley, and P. Adriaens. "Integrating Green Roofs into the Economy through Emission Reduction Credits", Int. Sym. Ind. Ecol., Stockholm, Sweden (July 2005).
 61. Li, M.Y. and P. Adriaens. "Spatial Estimation of Microbial Attributes in Sediments", American Geophysical Union, Atlanta GA, May 2005.
 62. Adriaens, P. "Innovations in Pollution Control Technologies: From Superfund to Emerging Contaminants", Int. Assoc. Great Lakes Research, Ann Arbor, MI. May 2005.
 63. Adriaens, P. and H. Trinh. "A Perspective on Emerging Contaminants in Sediments and Aquatic Environments", 3rd Int. Conf. on Remediation of Contaminated Sediments, New Orleans, LA.
 64. Adriaens, P., S. Wright, P. Cakir, S. Jain, M.-Y. Li, T. Towey, N. Barabas, J. DePinto, J. Wolfe, Q. Wang, O. Mileyeva-Bebiesheimer, and C. Gruden. 2005. Scaling of Microbial Competence for Sediment Remediation. 3rd Int. Conf. on Remediation of Contaminated Sediments, New Orleans, LA.
 65. Adriaens, P., M.-Y. Li, and N. Barabas. 2005. Probabilistic Estimation of Reactive Fingerprints for Dioxins in Sediments: Application to Remedial Decision-Making. 3rd Int. Conf. on Remediation of Contaminated Sediments, New Orleans, LA.
 66. Gruden, C., R. McCulloch, T. Towey, J. Wolfe, and P. Adriaens. "Dual Stain Flow Cytometry and T-RFLP Analysis of Hydrogen-Enhanced Dechlorination Activity in Sediments", International Symposium for Microbial Ecology (ISME), Cancun, Mexico, August 2004.
 67. Adriaens, P., T. Towey, A. Khijniak, C. Gruden, R. McCulloch, and J. Wolfe. "Scaling of Sediment Bioremediation Efficacy Assessment Using Microbial Sensing and Geostatistical Analysis", SETAC World Congress, Portland OR, October 2004.
 68. Chang, S.C., T. Anderson, and P. Adriaens. "Nano-immunomagnetic enumeration of mycobacteria in metalworking fluids", International Symposium for Environmental Biotechnology, Chicago, IL, June 2004.
 69. Adriaens, P., T., Towey, C. Gruden, A. Khijniak, and V. Gruntzig. "Hydrogen-based bioremediation of contaminated sediments: Bench-scale efficacy assessment through microbial sensing", International Symposium for Environmental Biotechnology, Chicago, IL, June 2003.
 70. Adriaens, P., K. Hayes, C. Lastoskie, A. Michalak, A. M. Sastry, S. Batterman, S. Cherniak, A. Franzblau, D. Garabrant and M. Philbert. "Fetal Determinants of Adult Disease: Probabilistic Application of Genomic Tools for Pre- and Post-Remedial PDBE Exposures", BFR 2004, Toronto, Canada, June 2004
 71. Adriaens, P., S. Skerlos, S.C. Chang, A.I. Khijniak, and C. Gruden "Frontiers in Environmental Monitoring Methods: Molecular Tools, Information Technology, and Miniaturization, International Symposium for Environmental Biotechnology, Rimini, Italy, October 2003
-

72. Adriaens, P. "Technology Transfer for Bioremediation of Complex Environmental Systems" AEHS Conf., Amherst, MA, October 03.
73. Adriaens, P, N. Barabas, C. Gruden, H. Saito, and S. Skerlos. "Technology Transfer and Uncertainty Management for (Bio)Remediation of Complex Environmental Systems" AEEConference on Frontiers in Assessment Methods for the Environment, Minneapolis, MN, August 03.
74. Gruden, C.L., A. Khijniak, and P. Adriaens. "Hydrogen Diffusion: A Strategy for Enhanced Dechlorination in Contaminated Sediments", Battelle Conf. Florida, June 03.
75. Barabas, N., P. Goovaerts, and P. Adriaens. "Polytopic Vector Analysis to Assess Dioxin Reactivity in Contaminated Sediments", Battelle Conf., Florida, June 03.
76. McCormick, M.L., and P. Adriaens. "Formation of Nanoscale Magnetite during the Reduction of 2-line ferrihydrite by *Geobacter metallireducens*: Time course changes in geochemistry, mineralogy and reactivity with Carbon Tetrachloride", ACS 2003, New Orleans, LA, March 9-12.
77. Adriaens, P., A. Khijniak, C. Gruden, and S. Skerlos. "Rapid Microbial Sensing for Environmental Health Applications Using Flow Cytometry". 13th Conf. Contam. Soils, Sediments, Water, San Diego, CA, March 17-20, 2003.
78. Gruden, C.L., Khijniak, A., S.-C. Chang, A. Rihana, S.J. Skerlos, and P. Adriaens. "Rapid Throughput Sensing for Environmental and Occupational Health Applications", BECON '02, Bethesda, MD, June 20-23, 2002.
79. Adriaens, P., C. Gruden, S.C. Chang, and S. Skerlos "Microbial Sensing and Control: Biofouling of Metalworking Fluids" Int. Symp. Biodegradation and Biodeterioration, Prague, Czech Republic, June 02.
80. Gruden, C.L., Khijniak, A. and Adriaens, P. "Flow Cytometric Applications for Sediment Characterization". Battelle Conference on Chlorinated and Recalcitrant Compounds, Monterey, CA, May 19-23, 2002.
81. Gruden, C.L., Khijniak, A. and Adriaens, P. "Hydrogen-enhanced Dechlorination in Contaminated Coastal Sediments" SETAC 2001, Baltimore, MD, November 11-15, 2001.
82. Barabas, N., P. Adriaens, and P. Goovaerts. Geostatistical assessment of natural transformation of dioxins in estuarine sediments. SETAC 2001, Baltimore, MD, November 11-15, 2001.
83. Adriaens, P., M.J. Barcelona, K.F. Hayes, M.L. McCormick, and K.L. Skubal. Biotic and Abiotic Dechlorination in Iron-Reducing and Sulfidogenic Environments. 6th In Situ and On Site Bioremed Conf., San Diego, CA (6/01).
84. Lendvay, J., M. Barcelona, B. Fathepure, R. Hickey, F. Loeffler, E. Petrovskis, J. Tiedje, and P. Adriaens. Preventing Contaminant Discharge to Surface Waters: Plume Control with Bioaugmentation. 6th In Situ and On Site Bioremediation Conf., San Diego, CA (6/01).
85. Adriaens, P., M. J. Barcelona, B. Z. Fathepure, R.F. Hickey, J. M. Lendvay, F. Loeffler, E. Petrovskis, J. Tiedje. Plume Control Using Bioaugmentation with Halorespiring Microorganisms. Groundwater Quality 2001, Sheffield, UK (6/01).
86. McCormick, M.L., K. L. Skubal, K. F. Hayes, and P. Adriaens. Assessing biotic and abiotic contributions to chlorinated solvent transformation in iron reducing and sulfidogenic environments. Groundwater Quality 2001, Sheffield, UK (6/01).
87. Lendvay, J.M., K. L. Skubal, M. L. McCormick, and P. Adriaens. Natural Attenuation as a Plume Control Measure at Groundwater-Surface Water Interfaces (GSI): Impact of Various Mixing Zones on In Situ Degradation Activity. World Water Congress, Orlando, FL (5/01).
88. Adriaens, P., J. M. Lendvay, M. J. Barcelona, B. Z. Fathepure, F. Loeffler, J. Tiedje, and R. Hickey. Bioaugmentation as a Plume Control Measure to Prevent Contaminant Discharge to Surface Waters. World Water Congress, Orlando, FL (5/01).
89. Adriaens, P., A.L. Barkovskii, Q. S. Fu, N. Barabas and P. Goovaerts, Extrapolation of Laboratory-Derived Dioxin Dechlorination Patterns to the Field: Assessing Natural Attenuation in Passaic River Sediments. 16th Annual International Conference on Contaminated Soils, Sediments and Water, Amherst, MA (10/2000)
90. McCormick, M.L., M. Gerdenich, L.-S. Kao, and P. Adriaens. The Relative Importance of Biological and Abiotic Reactions During Carbon Tetrachloride Transformation in Iron-Reducing Environments. National Groundwater Association/Association of Ground Water Scientists and Engineers "2000 Theis Conference, Jackson Hole, WY (9/2000)
91. McCormick, M.L., M. Gerdenich, L.-S. Kao, and P. Adriaens. Geochemistry of Hydrous Ferric Oxide Reduction by *Geobacter metallireducens*: Implications for Sustained Dechlorination of Tetrachloromethane. Goldschmidt 2000, Oxford, UK (9/2000).

92. Hayes, K.F., P. Adriaens, E.J. Butler, M.L. McCormick, K.L. Skubal, and H.Y. Jeong. Abiotic and Biotic Transformations of Chlorinated Compounds Under Iron- and Sulfate-Reducing Conditions. Abstr. 220th ACS National Meeting, August 20-25, 2000, Washington, DC.
93. Adriaens, P., Q. S. Fu, and A. L. Barkovskii. Recognition and Quantification of Biotic-Chemical Interactions During Dioxin Reactivity in Sediments. Abstr. 220th ACS National Meeting, August 20-25, 2000, Washington, DC.
94. Rihana, A.N., and P. Adriaens. Kinetic Distribution of Substrate Oxidation Potential as a Function of Geosorbent Characteristics: Implications for Contaminant Bioavailability and Remediation Endpoints. Abstr. 220th ACS National Meeting, August 20-25, 2000, Washington, DC.
95. McCormick, M.L., and P. Adriaens. Fate of Carbon Tetrachloride in a Defined Iron-Reducing Culture: Product Formation via Biotic and Abiotic Pathways. Abstr. 220th ACS National Meeting, August 20-25, 2000, Washington, DC.
96. Adriaens, P., Q. S. Fu, and A. L. Barkovskii. The Dioxin Reactivity Inventory: Microbial Dechlorination in Waterways Sediments. Proceed. 5th International Symposium for Environmental Biotechnology, Kyoto, Japan (7/00).
97. Fathepure, B, F. Loeffler, P. Adriaens, and J.M. Tiedje. Bioaugmentation with Halorespiring Microorganisms at a Chlorinated Solvent-Contaminated Site. Proceed. 5th International Symposium for Environmental Biotechnology, Kyoto, Japan (7/00).
98. Barabas, N., P. Goovaerts, and P. Adriaens. Geostatistical Interpretation of Dioxin Reactivity in Sediments. Dioxin 2000, Monterey, CA (8/2000).
99. Adriaens, P. The Dioxin Conundrum: Sources, Sinks, and Natural Attenuation. Battelle Conf. Remediation of Chlorinated and Recalcitrant Compounds: The Second International Conference, May 22-25, 2000, Monterey, California.
100. Skubal, K.L., and P. Adriaens. A Field and Laboratory Assessment of Natural Bioattenuation in an Aquifer Contaminated by Mixed Organic Waste. Abstr. 219 ACS National Meeting, March 26-30, 2000, San Francisco, CA, vol. 40 (1), pp. 47-49.
101. Rihana, A.N., and P. Adriaens. Microbial Response to Nutrient and Organic Carbon Content in the Subsurface as a Function of Soil Attachment. Abstr. 219 ACS National Meeting, March 26-30, 2000, San Francisco, CA, vol. 40 (1), pp. 53-55.
102. McCormick, M.L., H.S. Kim, and P. Adriaens. Transformation of Tetrachloromethane in a Defined Iron-Reducing Culture: Relative Contributions of Cell and Mineral Mediated Reactions. Abstr. 219 ACS National Meeting, March 26-30, 2000, San Francisco, CA, vol. 40 (1), pp. 138-141.
103. Fu, Q.S., A.L. Barkovskii, and P. Adriaens. Reductive Transformation of Dioxins Under Estuarine/Marine Mimicking Conditions. Abstr. 219 ACS National Meeting, March 26-30, 2000, San Francisco, CA, vol. 40 (1), pp. 435-437.
104. Skubal, K.L., and P. Adriaens. Microbiological and Geochemical Parameters Influencing Intrinsic Biodegradation of Trichloroethylene at a Fire Training-Impacted Aquifer. 4th International Symposium on Subsurface Microbiology, August 22-27, 1999, Vail, Colorado
105. Fathepure, B.Z., F.E. Loeffler, J.M. Tiedje, and P. Adriaens. In-Situ Bioremediation Of Chloroethene-Contaminated Groundwater Using Halorespiring Bacteria-A Pilot Evaluation. 4th International Symposium on Subsurface Microbiology, August 22-27, 1999, Vail, Colorado.
106. Rihana, A.N., and P. Adriaens. Physiological and Kinetic Characterization of Soil Microbial Fractions in Response to Nutrient Fluctuations in the Subsurface. 4th International Symposium on Subsurface Microbiology, August 22-27, 1999, Vail, Colorado.
107. Adriaens, P., I.D. Albrecht, Q. Fu, and A.L. Barkovskii. Microbial Dechlorination of Polychlorinated Dibenzo-p-Dioxins under Estuarine Conditions. Abstr. In Situ On Site Bioremediation: The Fifth International Symposium, San Diego CA (4/99).
108. McCormick, M.L., and P. Adriaens. Reductive Transformation of Carbon Tetrachloride by the Dissimilative Iron Reducing Bacteria *Geobacter metallireducens*. Abstr. 99th Gen Meet. Am. Soc. Microbiol., Chicago, Ill. (5/99)
109. Fathepure, B.Z., F.E. Loeffler, Q. Sun, P. Adriaens, and J.M. Tiedje. Dechlorination Activity of Bioaugmented Chlororespiring Organisms in Continuously-Fed Aquifer Columns. Abstr. 99th Gen Meet. Am. Soc. Microbiol., Chicago, Ill. (5/99)

110. Rihana, A.N., and P. Adriaens. Ecological and Kinetic Characterization of Soil Microbial Fractions: Development of a Distributed Activity Concept. 99th Gen Meet. Am. Soc. Microbiol., Chicago, Ill. (5/99)
111. Fu, Q.S., A.L. Barkovskii and P. Adriaens. Microbial Dechlorination of Spiked Chlorinated Dioxins Under Estuarine Conditions. . 99th Gen Meet. Am. Soc. Microbiol., Chicago, Ill. (5/99)
112. Fathepure, B.Z., F.E. Loeffler, N.A. Schultz, P. Adriaens, and J.M. Tiedje. In Situ Bioremediation Using Halorespiring Bacteria at the Bachman Aquifer: A Pilot Study. Abstr. In Situ On Site Bioremediation: The Fifth International Symposium, San Diego CA (4/99). Abstr. In Situ On Site Bioremediation: The Fifth International Symposium, San Diego CA (4/99).
113. Lendvay, J.M., and P. Adriaens. Laboratory Confirmation of Biogeochemical Temporal Trends at a GSI. Abstr. In Situ On Site Bioremediation: The Fifth International Symposium, San Diego CA (4/99).
114. Loeffler, F.E., B.Z. Fathepure, P. Adriaens, and J.M. Tiedje. Evidence for the Presence of Chlororespiring Bacteria in a Chloroethene-Contaminated Aquifer. Abstr. In Situ On Site Bioremediation: The Fifth International Symposium, San Diego CA (4/99).
115. Löffler, F.E., J.M. Tiedje, B.Z. Fathepure, K.F. Hayes, L. M. Abriola, K.D. Pennell, and P. Adriaens. Remediation of Chlorinated Solvents at the Bachman Road Site Using Innovative Technologies. Proceed. Workshop "Abbau Chlorierter Kohlenwasserstoffe", Stuttgart, FRG (9/98).
116. Lendvay, J.M., S.M. Dean, and P. Adriaens. Temporal and Spatial Trends in Biogeochemical Conditions at a Groundwater Surface Water Interface: Implications for Natural Bioattenuation. Preprints 216th ACS National Meeting Volume 38 (2), 258-261, Boston MA (8/98).
117. Rihana, A.N., A. Barkovskii, and P. Adriaens. Kinetic Characterization of Soil Microbial Fractions With Respect to Contaminant Bioavailability. AGU Spring Meet. Boston, MA (5/98).
118. Lindner, A.S., J. Semrau, and P. Adriaens. Methanotrophic Oxidation of Substituted Aromatic Compounds: Mechanistic Implications and QSAR Development. 8th Int. Symp. Microb. Ecol. Halifax, Nova Scotia, Canada (8/98).
119. Fathepure, B.Z., N.A. Schultz, F.E. Loeffler, J.M. Tiedje, and P. Adriaens. In Situ Bioremediation of a Tetrachloroethene (PCE)-contaminated aquifer Using Halorespiring Organisms. 8th Int. Symp. Microb. Ecol. Halifax, Nova Scotia, Canada (8/98).
120. Rihana, A., A. Barkovskii, and P. Adriaens. Distribution of Metabolic Potential Among Soil Microbial Communities as a Function of Attachment. 8th Int. Symp. Microb. Ecol. Halifax, Nova Scotia, Canada (8/98).
121. Barkovskii, A.L., A. Rihana, and P. Adriaens. Bioavailability of BTEX in Unsaturated Soil: Effects of Microbial Community Structure and Cell Attachment to Soil Particles. Abstr. 98th. Gen Meet. Am Soc. Microbiol., Atlanta, GA (5/98).
122. Fathepure, B.Z., N. A. Schultz, P. Adriaens, F. E. Loeffler, S.J. Flynn, and J. M. Tiedje. Vinyl Chloride Oxidation Potential at the Bachman Site in Oscoda, Michigan: A Laboratory Evaluation. Abstr. 98th. Gen Meet. Am Soc. Microbiol., Atlanta, GA (5/98).
123. Loeffler, F.E., S. J. Flynn, J. M. Tiedje, B. Z. Fathepure, N. A. Schultz, and P. Adriaens. Stimulation of Halorespiring Activity in a Tetrachloroethene (PCE) Contaminated Aquifer at the Bachman Site in Oscoda, Michigan: A Laboratory Evaluation. Abstr. 98th. Gen Meet. Am Soc. Microbiol., Atlanta, GA (5/98).
124. McCormick, M.L., Kim, H.S., and P. Adriaens. Tetrachloroethylene Transformation in an Iron Reducing Enrichment Culture Abstr. 98th. Gen Meet. Am Soc. Microbiol., Atlanta, GA (5/98).
125. Adriaens, P., J.M. Lendvay, M.J. Barcelona, S.K. Haack, and W. Sauck. Evaluation of Natural Bioattenuation at the Macro- and Microscopic Level: Field Implementation of Novel Monitoring Methods. Abstr. Eur. Geophys. Soc. Meet. Nice, France (4/98).
126. Lendvay, J.M., S.M. Dean, and P. Adriaens. Temporal and Spatial Trends in Biogeochemistry at a Groundwater-Surface Water Interface: Implications for Microbial Bioremediation Processes. Abstr. Eur. Geophys. Soc. Meet. Nice, France (4/98).
127. Adriaens, P. Biogeochemistry and Dechlorination Potential of Contaminated Groundwater-Surface Water Interfaces. Soc. for Indust. Microbiol. Meet., Reno, NV (8/97).
128. Lendvay, J.V., M.M. McCormick, S.M. Dean, and P. Adriaens. Biogeochemistry and Intrinsic Remediation at the Groundwater-Surface Water Interface in St. Joseph, Michigan, Conf. Water Environment Association (WEA), Shanty Creek, MI (6/97).

129. Haack, S.K., L.J. Forney, P. Adriaens, and F.H. Chapelle. Temporal Heterogeneity in Aqueous Chemistry and Microbiology of a Contaminated Aquifer. AGU Spring Meet., Baltimore MD (5/97).
130. Lendvay, J.M., and P. Adriaens. Effects of Surface Water on the Oxidation Capacity and Transformation of Chlorinated Solvents in a Contaminated Aquifer. Abstr. Am. Chem. Soc. Meet., San Francisco, CA (4/97).
131. Lindner, A.S., J.D. Semrau, and P. Adriaens. Oxidation of Biphenyl Analogues by *Methylosinus trichosporium* OB3b: Substituent Effects and Mechanistic Implications. Abstr. Am. Chem. Soc. Meet., San Francisco, CA (4/97).
132. Selig, H., K.F. Hayes, and P. Adriaens. Bioavailability of Octylamine in the Presence of Silica Particles. Abstr. Am. Chem. Soc. Meet., San Francisco, CA (4/97).
133. Barkovskii, A.L. and P. Adriaens. Impact of Humic Constituents on the Microbial Dechlorination of Chlorinated Dioxins, Abstr. 97th. Gen Meet. Am Soc. Microbiol., Miami Beach, FL. (5/97)
134. Lindner, A.S., J.D. Semrau, and P. Adriaens. Cometabolism of Aryl Halides by *Methylosinus trichosporium* OB3b: Effects of Substituents on Product Formation. Abstr. 97th. Gen Meet. Am Soc. Microbiol., Miami Beach, FL. (5/97)
135. Lynam, M.M., J. Damborsky, M. Kutty, and P. Adriaens. The Use of Molecular Orbital Calculations in the Development of Structure Activity Relationships for Polychlorinated Dioxins. Am. Chem. Soc. Meet., San Francisco, CA (4/97).
136. Hillers, A., and P. Adriaens. Influence of water potential on the degradation kinetics of toluene and toluate in unsaturated soils and model systems. 97th. Gen Meet. Am Soc. Microbiol., Miami Beach, FL. (5/97)
137. Rihana, A., A. L. Barkovskii, and P. Adriaens. The Effects of Acclimation and Cell Attachment to Soil Particles on Community Structure and Metabolic Activity. 97th. Gen Meet. Am Soc. Microbiol., Miami Beach, FL. (5/97)
138. Adriaens, P., J.M. Lendvay, M. L. McCormick, S. Dean, and S.K. Haack. Environmental Dechlorination of Alkyl Halides Under Iron- and Sulfate-Reducing Conditions: A Tale of Two Field Sites. Abstr. 4th In Situ and On-Site Bioremediation Conf., New Orleans, LA (4/97).
139. McCormick, M.L., and P. Adriaens. Reductive Dechlorination of PCE in an Iron-Reducing Enrichment: Evidence for Biotic and Abiotic Contributions to Dechlorination Activity. Emerging Technologies in Hazardous Waste Management VIII. Birmingham, Alabama. 1996.
140. Adriaens, P., A.L. Barkovskii, M. Lynam, and J. Damborsky. Stoichiometry and Microbiology of Polychlorinated Dibenzo-p-Dioxin Dechlorination in Contaminated Sediments. International Symposium on Biodegradation of Organic Compounds, Mallorca, Spain (7/96).
141. Adriaens, P., A.L. Barkovskii, M. Lynam, and J. Damborsky. Dechlorination of Polychlorinated Dibenzo-p-Dioxins in Reduced Sediments: Microbiology, Stoichiometry, and Reactivity. Office of Naval Research Workshop on Biological Dehalogenation in Marine Sediments, Bethesda, Maryland (6/96)
142. Lendvay, J., and P. Adriaens. Effect of Electron Donor and Electron Acceptor Concentrations on Reductive Dechlorination Rates of TCE at a Sulfidogenic Ground Water /Surface Water Interface. HSRC/WERC Joint Conference on the Environment, Albuquerque, New Mexico (5/96).
143. Barkovskii, A.L., and P. Adriaens. Dechlorination of Chlorinated Dioxins: Comparative Impact of the Driving Forces in Reduced Environments. 96th Gen. Meet. Am. Soc. Microbiol. Q-154, New Orleans, LA (1996).
144. Rihana, A., A. Barkovskii, and P. Adriaens. Characterization of Culturable and Non-Culturable Soil Microbial Populations for Biodegradative Activity and Composition. 96th Gen. Meet. Am. Soc. Microbiol. Q-350, New Orleans, LA (1996).
145. Rihana, A., A. Barkovskii, and P. Adriaens. Characterization of Culturable and Non-culturable Soil Microbial Populations. Annu. Forum Center for Microbial Ecology, Michigan State University, East Lansing MI. 1995.
146. Skubal, K.L., and P. Adriaens. Bioventing of chlorinated solvents in unsaturated soil: Cometabolic degradation by indigenous methanotrophic and methanotrophic microorganisms. In Situ and On Site Bioreclamation, 3d Int. Symp., San Diego, CA 1995.
147. Hillers, A., and P. Adriaens. Biodegradation kinetics during bioventing operations. In Situ and On Site Bioreclamation, 3d Int. Symp., San Diego, CA 1995.
148. Lendvay, J.M., M.L. McCormick, and P. Adriaens. Batch and column studies of intrinsic bioremediation of chlorinated solvents at the groundwater/surface water interface. In Situ and On Site Bioreclamation, 3d Int. Symp., San Diego, CA 1995.

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149. Petrovskis, E.A., T.M. Vogel, P. Adriaens, K.H. Nealson, and D. Saffarini. Localization of tetrachloromethane transformation activity in Shewanella putrefaciens MR-1. In Situ and On Site Bioreclamation, 3d Int. Symp., San Diego, CA 1995.
 150. Adriaens, P., and M. Park. Qualitative analysis of soil microbial communities subjected to osmotic stresses. Abstr. Gen. Meet. Am. Soc. Microbiol., Las Vegas, NV 1994.
 151. Petrovskis, E.A., T.E. Vogel, and P. Adriaens. Anaerobic reductive dechlorination of tetrachloromethane by Shewanella putrefaciens. Abstr. Gen. Meet. Am. Soc. Microbiol., Las Vegas, NV 1994.
 152. Adriaens, P., and A.S. Lindner. Evidence for the NIH shift during methanotrophic oxidation of chloro- and hydroxybiphenyls. Abstr. Gen. Meet. Am. Soc. Microbiol., Las Vegas, NV. 1994
 153. Petrovskis, E. A., P. Adriaens, and T.M. Vogel. Anaerobic reductive dechlorination of tetrachloromethane by Shewanella putrefaciens MR1 and MR-7. Abstr. "Biodegradation: Its Role in Reducing Toxicity and Exposure to Environmental Contaminants", Research Triangle Park, NC. 1993.
 154. Fu, Q., and P. Adriaens. Reductive dehalogenation of highly chlorinated dibenzodioxins and dibenzofurans by anaerobic sediments and suspended cultures. Abstr. Gen. Meet. Am. Soc. Microbiol., Atlanta, GA. 1993.
 155. Adriaens, P. and M. Park. Effects of Environmental Stresses on Microbial Diversity. Abstr. Center for Microbial Ecology Forum, East Lansing, MI 1993.
 156. Chang, S.-C., I.D. Tommelein, T.M. Vogel, and P. Adriaens. Bioremediation Advisor. Annu. Meet. Haz. Subst. Research Center, Ann Arbor, MI 1992.
 157. Petrovskis, E., Adriaens, P., and T.M. Vogel. Effects of Environmental Stresses on Metabolic and Genetic Diversity. Microb. Ecol. Forum, East Lansing, MI 1992.
 158. Adriaens, P., DeWillie, G.R. and D. Grbic'-Galic'. Methanotrophic Transformation of Chloro- and Hydroxybiphenyls. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA. 1992.
 159. Adriaens, P. and D. Grbic'-Galic'. Reductive Dehalogenation of Highly Chlorinated Dioxins and Dibenzofurans: Retention of the 2,3,7,8-Sequence. Abstr. Reductive Dehalogenation: Environmental Applications and Consequences, Athens, GA, 1992
 160. Adriaens, P., and D. Grbic'-Galic'. Fate of highly chlorinated dibenzodioxins and dibenzofurans in anaerobic soils and sediments. Proceed. Dechema Conf. on Soil Decontamination Processes, Karlsruhe, Germany 1992.
 161. Adriaens, P. and D. Grbic'-Galic'. Anaerobic Degradation of Highly Chlorinated Dioxins and Dibenzofurans. Proceed. U.S. EPA Symp. on Hazardous Wastes, Fairfax, VA 1991.
 162. Adriaens, P., DeWillie, G.R. and D. Grbic'-Galic'. Aerobic Methanotrophic Transformation of Mono- and Dichlorobiphenyls. Abstr. Annu. Meet. Am. Soc. Microbiol., Dallas, TX 1991
 163. Adriaens, P. and D. Grbic'-Galic'. Evidence for Reductive Dehalogenation of Highly Chlorinated Dioxins and Dibenzofurans. Abstr. Dioxin '91, Chapel Hill, NC 1991.
 164. Adriaens, P. and D. Grbic'-Galic'. Anaerobic Biodegradation of Highly Chlorinated Dioxins and Dibenzofurans. Proceed. 'Emerging Technologies for Hazardous Waste Management', Ind. and Engin. Chem. Div., Am. Chem. Soc, Atlanta, GA 1991.
 165. Focht, D. D. and P. Adriaens. Quasi-cometabolism of chlorinated aromatic compounds. Abstr. Annu. Meet. Am. Soc. Microbiol., Anaheim, CA 1990.
 166. Adriaens, P. and D. D. Focht. Suspended culture and fixed film degradation of selected PCB congeners by a coculture of two Acinetobacter spp. Abstr. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA 1989.
 167. Adriaens, P. and D. D. Focht. Quasi-cometabolism of 3,4-dichlorobenzoate by Acinetobacter sp. strain 4-CB1. Abstr. Meet. Soil Sci. Soc. Am., Las Vegas, NV 1989.
 168. Adriaens, P. and D. D. Focht. Biodegradation of 4,4'-dichlorobiphenyl by a coculture of two Acinetobacter sp. Abstr. Annu. Meet. Am. Soc. Microbiol. Miami, FL 1988.
 169. Adriaens, P. and D. D. Focht. Continuous coculture degradation of 4,4'-dichlorobiphenyl in an aerobic reactor system. Abstr. Toxic Substances Mtg. UC Los Angeles, CA 1988.
 170. Adriaens, P. and D. D. Focht. Continuous coculture degradation of selective PCB congeners in an aerobic reactor system. Abstr. Meet. Soil Sci. Soc. Am., Anaheim, CA 1988.
 171. Adriaens, P. and D. D. Focht. 4-Chlorobenzoate metabolism by Acinetobacter sp. 4-CB1 and its relevance to biodegradation of 4,4'-dichlorobiphenyl. Proceedings of "Environmental Biotechnology : Reducing Risks from Environmental Chemicals through Biotechnology". Seattle, WA 1987.

Blog Posts:

Academy of Management, Organizations and the Natural Environment Division, monthly blogs 07/12-03/13.
Financial Times (Faley and Adriaens): "Schools think too narrowly on entrepreneurship" (02/2013)
Forbes - Insights and ideas for technology leaders: "So, Is There Another Tech Bubble Or Not?" (4963 views, 12 fbshares, 87 tweets, 32 In shares, 42 submits)
Forbes: "Facebook Valuation: We Don't Know What We Don't Know" (4211 views, 16 fbshares, FBshares, 34 tweets, 16 In shares)
VentureBeat: "What Facebook isn't telling you about its risky ad business" (43 Facebook shares, 172 tweets, 50 in shares, 14 G+1 recommends)
MSNBC.com: "Valuation of Facebook" (72 f recommends, 35 tweets)
CleanTechies.com: "The case for clustering" (8 fb likes, 52 tweets, 26 IN shares)
TreeHugger.com: "Clustering for economic development"
CleanEnergy blog: "Global CleanTech clusters"
Greenbiz.com (with Tom Lyon, RSB): "The Race to be the World's Top Cleantech Innovator" (26 tweets, 38 likes)
Michigan Capitol Confidential (with Tom Lyon, RSB): "Experts Say State Battery-Plant Subsidy Is a "Risky Venture" (52 tweets, 37 shares)
Reuters.com/small business (with Tom Lyon, RSB): "Innovation is how we make our living: Is China buying?" (17 tweets, 24 likes, 61 in shares)

Editorial Activities:

California Management Review (CMR); Journal of Contaminant Hydrology (2000-2003)
Review 6-8 manuscripts (Applied and Environmental Microbiology, Environmental Science and Technology, Applied Microbiology and Biotechnology, Water Resources Research, Environmental Toxicology and Chemistry, Bioremediation Journal), and 3-5 proposals (EPA, USDA, NSF, Michigan Great Lakes Protection Fund) per semester.

Consulting and Litigation:

Latham & Watkins LLP, San Francisco, CA (since 2007)
King & Spalding LLP, Atlanta GA (since 2008)
United Nations Environment Program, International Pesticide Consultant for Compliance with the Stockholm Convention on Persistent Organic Pollutants (2004-2006)
Round Table Scholar, Washington, DC.
General Electric – Ecomagination Strategy (2005 - 2006)
Towa Kagaku, Inc., Hiroshima/Tokyo, Japan, 1995-present
National Council of the Pulp and Paper Industry for Air and Stream Improvement (NCASI), 1996-present.
Soils and Materials Engineers (Ann Arbor), 1994-present
The Dow Chemical Company (Midland), 1998
LimnoTech, Ann Arbor MI, 1993-present
Alpha Industries Inc, Logansport IN, 1991-92
Varnum, Riddering, Schmidt & Howlett, Attorneys-At-Law (Grand Rapids), 1992-present
Alcoa, Technical Center, Pittsburg, PA, 2003-present.