**QUALIFICATIONS**

**Ph.D.** 1994 – 1998

Environmental and Water Resources Engineering

University of Michigan, Ann Arbor, MI

**M.S.E.** 1992 – 1994

Environmental and Water Resources Engineering

University of Michigan, Ann Arbor, MI

**B.A.** 1979 – 1983

Chemistry with minor in Mathematics

Cum laude, Alpha Society, department honors in Chemistry

Hiram College, Hiram, OH

# Additional Relevant Postgraduate Education

Undergraduate and Graduate Courses, Mechanical Engineering 1991 – 1992

Wright State University, Dayton, OH

Navy Nuclear Engineering Training 1984 – 1985

Navy Nuclear Propulsion & Prototype School, Orlando, FL & Idaho Falls, ID

**ACADEMIC APPOINTMENTS**

**Professor** 2022 – Present

Department of Environmental Science, University of San Francisco, San Francisco, CA

**Associate Professor** 2005 – 2022

Department of Environmental Science, University of San Francisco, San Francisco, CA

**Assistant Professor** 1999 – 2005

Department of Environmental Science, University of San Francisco, San Francisco, CA

**Assistant Research Scientist & Adjunct Assistant Professor** 1999 – 2001

Environmental and Water Resources Engineering, University of Michigan, Ann Arbor, MI

**Graduate Student Research Assistant and Instructor** 1993 – 1998

Environmental and Water Resources Engineering, University of Michigan, Ann Arbor, MI

**LEADERSHIP**

**Elected to Chair of Environmental Science** 2003 – 2005, 2005 – 2006, 2015 – 2021, 2022

**Senior Faculty Director of Curriculum Development for the College** 2020 – 2021

**Faculty Director of Curriculum Development for the Sciences** 2014 – Present

**Elected to Chair of Environmental Studies** 2003 – 2005, 2005-2006, 2009 – 2011

**Commanding Officer and Training Officer** 1990 – 1993

United States Navy Reserve, Dayton, OH

**Manufacturing Coordinator and Project Engineer** 1988 – 1992

Corning Incorporated, Greenville, OH

**Nuclear Submarine Division Officer** 1983 – 1988

United States Navy, USS Simon Bolivar (SSBN-641), Charleston, SC

**TEACHING**

**University of San Francisco** August 1999 - Present

**Teaching – Undergraduate** **Courses**

* Undergraduate courses includes introductory and advanced undergraduate courses ranging from basic environmental science to environmental monitoring of a local field site.
  + Understanding our Environment w/ Lab, a **core curriculum course** for non-science majors that introduces students to the topic of Environmental Science.
  + Introduction to Environment Science w/ Lab, a **core curriculum course** for environmental science majors that introduces students to the topic of Environmental Science.
  + Water, Water, Everywhere? w/ Lab, a **first-year seminar and core curriculum course** for non-science majors that introduces students to the topic of Environmental Science with a focus on water resources and water quality.
  + Air & Water w/ Lab, a second-year course that focuses on the chemical and physical aspects of environmental air and water systems.
  + Water Resource Analysis w/ Lab, an upper division course focusing on the hydrologic cycle and anthropogenic impacts that effect the flow of water through the environment.
  + Foundations of Environmental Engineering, an upper division environmental science elective course developing a foundational understanding of various environmental engineering topics.
  + Methods of Environmental Monitoring w/ Lab, a **service-learning course** that serves as the capstone course for environmental science majors and studies the environmental impacts on a coastal stream in collaboration with Mt. Tamalpais State Park and Muir Woods National Monument. This course provides the student an opportunity to develop proficiency in a variety of field sampling techniques using state of the art equipment.
  + Research for Advanced Undergraduates, supervised independent undergraduate research projects for multiple undergraduate and graduate students.

**Teaching – Graduate** **Courses**

* Graduate courses include both introductory and advanced classes with a focus on water quality and environmental engineering:
  + Hydrogeology the study of groundwater.
  + Water Quality Assessment and Management, a course that investigates interactions between water quality and land use.
  + Industrial Ecology & Sustainability, a course introducing the use of industrial ecology as a means to promote sustainable processes.
  + Stream Water Quality Monitoring, a field methodologies course that develops students’ abilities to construct and implement field sampling protocols.
  + Master’s Project, a capstone course that is designed to provide the student an opportunity to develop an in-depth study of a specific area.

**Teaching-Related Activities**

* Coordinated the establishment of a department Mission Statement, Program Learning Outcomes, and Curricular Maps for the Department of Environmental Science.
* Coordinated a complete rethinking of our major curriculum followed by two subsequent curriculum revisions for undergraduate environmental science majors.
* Tirelessly and continuously campaigned to increase undergraduate student enrollment in environmental programs. One result has been an increase in declared environmental majors by a factor of 10 over 20 years.

**University of Michigan** January 1993 - May 1999

## Adjunct Assistant Professor

* Taught an upper-level graduate course titled, Physicochemical Processes in Environmental Engineering.

## Graduate Student Instructor

* Taught both graduate level and undergraduate level laboratory courses and recitations in Biological Processes in Environmental Engineering (two semesters), Environmental Microbiology, Introduction to Groundwater Hydrology, and Introduction to Environmental Engineering.
* Graded coursework and consulted with students on problem solving for Biological Processes in Environmental Engineering, Risk and Benefit Analysis in Environmental Engineering, and Water Supply and Waste Water Engineering.

**SERVICE**

**University of San Francisco** August 1999 - Present

## Service to the University of San Francisco

* Member, University Assessment Committee 2016 – Present
* Member, search committee for the Vice Provost of Student Success, Inclusive Excellence and Curricular Innovation 2022-2023
* Co-Chair, Core Advisory Committee 2021-2022
* Co-Chair, University-Wide Peer Review Committee 2015-2016
* Various Admissions Events 2014-2018
* Science Faculty Representative to the USFFA Policy Board 2014-2016
* Member, University-Wide Peer Review Committee 2008-2011 & 2014-2016
* “Western Conversations in Jesuit Education” conference 2010
* Co-Faculty Advisor to Queer Alliance Student Group 2008-2011
* Co-PI for FIPSE Brazilian Exchange Program 2005-2009

## Service to the College of Arts & Sciences

* Co-Chair, Core Advisory Committee 2021 – Present
* Senior Faculty Director of Curriculum Development 2020 – Present
* Faculty Search Committee for the Dept. of Engineering 2019
* Faculty Advisory Committee for the Department of Engineering 2015 – Present
* Member, College of Sciences Executive Committee (COSEC) 2003-2006 & 2015-2021
* Chair of Core-B Area Committee & Member of the Core Advisory Committee 2015-2018
* Chair, College of Sciences Executive Committee 2005-2006 & 2015-2016
* Co-Chair College Council 2005-2006 & 2015-2016
* Faculty Director of Curriculum Development for the Sciences 2014 – Present
* Chair, College-Wide Peer Review Committee 2013-2014 & 2014-2015
* Member, College-Wide Peer Review Committee 2008-2015
* Instructor for New Faculty on Advising 2008-2010
* Various Service Activities to Support Students 2005-2021
* Program Director of the Environmental Studies Program 2003-2006 & 2009-2011

## Service to the Department of Environmental Science

* Department Chair during septennial Academic Program Review 2005-2006 & 2018-2019
* Chair of the Environmental Science Department 2003-2006 & 2015-2021 & 2022
* Faculty Search Committee (4 searches) 2011-2020

## Service to the Profession

* ABET Program Evaluator Trainee for the American Society for Engineering Education 2021 – Present
* WASC Assessment Leadership Academy 2017-2018

## Service to the Community

* Parent Volunteer at St. Finn Barr Catholic School 2008-2012
* Member, Mayor’s Open Space Task Force 2008-2009
* Member, San Francisco Public Utilities Commission Citizen’s Advisory Board 2005-2010

**INDUSTRIAL/CONSULTING EXPERIENCE**

**CH2M Hill – Expert Project Advisor** June 2001 - August 2001

**Corning Incorporated – Manufacturing Engineer** November 1988 - August 1992

**British Petroleum – Internship** June 1982 - August 1982

**MILITARY SERVICE**

**United States Naval Reserve** November 1990 - April 1993

## Commanding Officer and Training Officer

* Commanded a 40-person Naval Reserve unit responsible for the repair and maintenance of nuclear submarines.
* Supervised and coordinated the training of 90 Naval Reserve personnel in preparation for mobilization during the 1st Gulf War.

**United States Navy** June 1983 - October 1988

## Nuclear Submarine Division Officer

* Supervised 4 separate divisions of up to 45 personnel in various aspects of submarine operations and maintenance.
* Supervised and trained two submarine crews in preparation for the initial startup of a refueled nuclear reactor on time and without incident. Awarded a Navy Achievement Medal for this effort.
* Captain's personal assistant to train the crew on damage and casualty control procedures. Awarded a second Navy Achievement Medal for this effort.

**AWARDS**

**College of Arts & Sciences Full Time Faculty Award** May 2021

An annual merit award, “Awarded to a full-time faculty member in the College who exemplifies outstanding service to their department, students, colleagues and communities, and/or professions.”

**USF Assessment Star Award** May 2017

An annual merit award, “Awarded to the program or department which demonstrated collective faculty engagement in the process of understanding student learning, use of innovative and effective assessment methods, and application of assessment results to creating programmatic and curricular change.”

**USF Collective Achievement Award** May 2016

An annual merit award where, “Collective efforts made a significant contribution to USF and/or the community, above and beyond the scope of their job.”

**Fulbright Scholar** August 2006 – February 2007

Watersheds & Water Quality: Assessment & Management of freshwater lakes in northeastern Brazil that are negatively impacted by agricultural processes associated with sugar cane production. In collaboration with Universidade Federal de Alegoas.

**San Francisco Public Utilities Commission, Certificate of Recognition** June 2006

In recognition for services rendered to the citizens of the City and County of San Francisco by virtue of his service on the Citizen’s Advisory Committee.

**Sarlo Prize** May 2004

Recognizes excellence in teaching based upon the moral values that lie at the foundation of USF's identity and which exemplifies the ethical principles which inform USF’s vision and mission.

**American Chemical Society Graduate Student Paper Award** August 1998

Awarded the Environmental Chemistry Division of the American Chemical Society Graduate Student Paper Award. This is a national award presented to five or fewer graduate students annually.

**Chi Epsilon** April 1998

Inducted into this national honor society for civil and environmental engineers.

**University of Michigan - GALA Scholar** February 1997

Scholarship awarded for university and community service to the LGBT community.

**Navy Achievement Medal (2 awards)** October 1988 and November 1987

Military medal awarded for outstanding achievement or meritorious service.

**Alpha Society** June 1983

Initiated into this national honor society for chemists.

**Paul H. Fall Scholar** September 1979 – June 1983

Scholarship awarded to an exceptional individual majoring in Chemistry at Hiram College.

**CERTIFICATIONS**

**Professional Engineer, Civil Engineering, California**, License #C61418 January 2001 – Present

**WASC Assessment Leadership Academy** February 2018

**PROFESSIONAL SOCIETIES**, current memberships

**American Society for Engineering Education**

**American Society of Civil Engineers**

**RESEARCH EXPERIENCE**

**University of San Francisco** 1999 - 2022

**Fulbright Scholar** August 2006 – February 2007

Chemistry Department, Universidade Federal de Alagoas, Maceió, Alagoas, Brazil

* Fulbright Scholar conducting research in collaboration with Ana Maria Q. Lopez at Universidade Federal de Alagoas in Maceió, Brazil. Research focused on evaluation and bioaugmentation of lakes impacted by agricultural processes associated with sugar cane production.

**Refereed Publications** – underlined authors are USF undergraduate students

**Metzger, E. S. and J. M. Lendvay. 2006.** “Community Empowerment through Public Participation: Community-Based Sampling in an Environmental Justice Context.” *Environmental Practice*, Vol. 8, No. 2, pp. 104-114.

**Conference & Other Presentations**

***Invited Presentations***

**Lendvay, J. M. 2007.** “Community-Based Water Quality Assessment.” University Seminar Series, Universidade Federal de Alagoas, Maceió, Alagoas, Brazil.

***Platform Presentations***

**Lendvay, J. and J. Clausen. 2019.** “Faculty Engagement & Ownership in Assessing the Core Curriculum.” Academic Resource Conference, ARC 2019, Garden Grove, California.

**Lendvay, J. and J. Clausen. 2018.** “Faculty Reflection & Learning from Periodic Review of Core Curriculum at a Liberal Arts Institution.” Academic Resource Conference, ARC 2018, San Bruno, California.

**Clausen, J., A. Amati-Camperi, S. Chakraborty, J. Lendvay, and M. Meritt. 2017.** “Use of Feedback Template by Faculty Directors on Yearly Assessment Reports.” Academic Resource Conference, ARC 2017, San Diego, California.

***Poster Presentations*** – underlined authors are USF undergraduate students

**Lendvay, J. M., K. E. David and M. V. Rosasco.** **2012.** Turbidity – A Semi-Continuous Monitoring Option for Suspended Solids. Abstr. American Geophysical Union, Fall Meeting, San Francisco, California.

**University of San Francisco** *– prior to last promotion application* Prior to September 2005

**Refereed Publications** – underlined authors are USF undergraduate students

**Chang, V., E. S. Metzger, M. Payne, S. M. Havens, W. R. Peerman, and J. M. Lendvay. 2004.** “Community-Based Approach to Environmental Education.” American Society for Engineering Education, ASEE Annual Conference and Exposition, Salt Lake City, Utah.

**Metzger, E. S., S. M. Havens, V. W. Chang, K. M. Clifton, W. R. Peerman and J. M. Lendvay.** **2003.** “Community Based Water Quality Sampling at Bayview-Hunters Point, San Francisco, CA.” National Association of Environmental Professionals, 28th Annual Conference: No Borders: One Globe, One Environment, San Antonio, Texas.

**Metzger, E. S., S. M. Havens, V. W. Chang, K. M. Clifton and J. M. Lendvay.** **2003.** “Yosemite Watershed Restoration Project,” American Society for Engineering Education, ASEE Annual Conference and Exposition, Nashville, Tennessee.

**Lendvay, J. M., F. E. Löffler, M. Dollhopf, M. R. Aiello, G. Daniels, B. Z. Fathepure, M. Gebhard, R. Heine, J. Shi, R. Krajmalnik-Brown, C. L. Major, Jr., M. J. Barcelona, E. Petrovskis, R. Hickey, J. M. Tiedje & P. Adriaens. 2003.** Bioreactive Barriers: Bioaugmentation and Biostimulation for Chlorinated Solvent Remediation. *Environmental Science and Technology,* Vol. 37, No. 7, pp. 1422-1431.

**Lendvay, J. M., M. J. Barcelona, G. Daniels, M. Dollhopf, B. Z. Fathepure, M. Gebhard, R. Heine, R. Hickey, F. Löffler, C. L. Major, Jr., E. Petrovskis, J. Shi, J. Tiedje, and P. Adriaens. 2002.** Plume Control using Bioaugmentation with Halorespiring Microorganisms. In: *Groundwater Quality: Natural and Enhanced Restoration of Groundwater Pollution,* S. F. Thornton and S. E. Oswald, Editors, International Association of Hydrological Sciences, No. 275, Oxfordshire, United Kingdom, pp. 325-332.

**Lendvay, J., P. Adriaens, M. Barcelona, C. L. Major, Jr., J. Tiedje, M. Dollhopf, F. Löffler, B. Fathepure, E. Petrovskis, M. Gebhard, G. Daniels, R. Hickey, R. Heine, and J. Shi. 2001.** Preventing Contaminant Discharge to Surface Waters: Plume Control with Bioaugmentation. Evaluation of Temporal and Spatial Trends in Biogeochemical Conditions at a Groundwater-Surface Water Interface. In: *Bioaugmentation, Biobarriers, and Biogeochemistry,* The Sixth International In Situ and On-Site Bioremediation Symposium, San Diego, California, Vol. 6, No. 8, pp. 19-26.

**Lendvay, J. M. and P. Adriaens. 1999.** Laboratory Evaluation of Temporal Trends in Biogeochemical Conditions at a Groundwater – Surface Water Interface. *Physics and Chemistry of the Earth* Vol. 24, No. 6, pp. 511-516.

**Dean, S. M., J. M. Lendvay, M. J. Barcelona, P. Adriaens, and N. D. Katapodes. 1999.** Installing Multi-Level Sampling Arrays to Monitor Groundwater and Contaminant Discharge to a Surface Water Body. *Groundwater Monitoring and Remediation*. Fall, pp. 90-96.

**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. *Environmental Science and Technology*. Vol. 32, No. 22, pp. 3472-3478.

**Lendvay, J. M., W. 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 Ground-Water Surface Water Interface. *Water Resources Research*. Vol. 34, No. 12, pp. 3545-3559.

**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 Situ and On-Site Bioremediation: Volume 3, 4th International In Situ and On-Site Bioremediation Symposium. pp. 173-178.

**Government Documents**

**Lendvay, John M. and Peter Adriaens. 2000.** Temporal and Spatial Trends in Biogeochemical Conditions at a Groundwater – Surfacewater Interface, in Proceedings of the Ground-Water/ Surface-Water Interactions Workshop, pp. 120-125, EPA 542-R-00-007.

**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. Bioremediation of Hazardous Wastes: Research Development, and Field Evaluations, pp. 3-6. EPA/540/R-95/532.

**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, New York), pp. 3-6. EPA/540/R-95/076.

**Conference & Other Presentations**

***Invited Platform Presentations***

**Lendvay, J. M. 2004.** “Community-Based Water Quality Assessment.” Multi-State Working Group on Environmental Performance, 7th Annual “Learning Together Workshop" Environmental Innovation a*nd* Environmental Management Systems, Charleston, WV.

**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. Abstr. 216th American Chemical Society National Meeting, Boston, Massachusetts.

**Lendvay, J. M., M. M. McCormick, S. M. Dean, and P. Adriaens.** **1997.** Biogeochemistry and Dechlorination Potential of Contaminated Groundwater-Surface Water Interfaces. Abstr. 1997 Annual Meeting of the Society for Industrial Microbiology, Reno, Nevada.

***Platform Presentations*** – underlined authors are USF undergraduate students

**Chang, V., E. S. Metzger, M. Payne, S. M. Havens, W. R. Peerman, and J. M. Lendvay. 2004.** “Community-Based Approach to Environmental Education.” American Society for Engineering Education, 3rd ASEE International Colloquium on Engineering Education, Tsinghua University, Beijing, China.

**Chang, V., E. S. Metzger, M. Payne, S. M. Havens, W. R. Peerman, and J. M. Lendvay. 2004.** “Community-Based Approach to Environmental Education.” American Society for Engineering Education, ASEE Annual Conference and Exposition, Salt Lake City, Utah.

**Metzger, E. S., V. Chang, W. R. Peerman, M. Payne, and J. M. Lendvay. 2004.** “Community Education and Empowerment at Yosemite Slough, San Francisco, CA” American Chemical Society, 227th ACS National Meeting and Exposition, Anaheim, California.

**Metzger, E. S., S. M. Havens, V. W. Chang, K. M. Clifton, W. R. Peerman and J. M. Lendvay.** **2003.** “Community Based Water Quality Sampling at Bayview-Hunters Point, San Francisco, CA.” National Association of Environmental Professionals, 28th Annual Conference: No Borders: One Globe, One Environment, San Antonio, Texas.

**Metzger, E. S., S. M. Havens, V. W. Chang, K. M. Clifton and J. M. Lendvay.** **2003.** “Yosemite Watershed Restoration Project,” American Society for Engineering Education, ASEE Annual Conference and Exposition, Nashville, Tennessee.

**Lendvay, J., P. Adriaens, M. Barcelona, C. L. Major, Jr., J. Tiedje, M. Dollhopf, F. Löffler, B. Fathepure, E. Petrovskis, M. Gebhard, G. Daniels, R. Hickey, R. Heine, and J. Shi. 2001.**  “Preventing Contaminant Discharge to Surface Waters: Plume Control with Bioaugmentation,” In Situ and On-Site Bioremediation, 6th International Symposium, San Diego, California.

**Lendvay, J. M., M. J. Barcelona, G. Daniels, M. Dollhopf, B. Z. Fathepure, M. Gebhard, R. Heine, R. Hickey, F. Löffler, C. L. Major, Jr., E. Petrovskis, J. Shi, J. Tiedje, and P. Adriaens. 2001. “**Plume Control using Bioaugmentation with Halorespiring Microorganisms.” Groundwater Quality 2001.Sheffield, England.

**Adriaens, P., M. Barcelona, B. Fathepure, R. Hickey, J. Lendvay, F. Loeffler, E. Petrovskis and J. Tiedje. 2000.** Bioaugmentation with Halorespirers as a PCE-plume control measure: the Bachman Road Residential Wells Site (Oscoda, MI). Hazardous Substance Research Centers Symposium, Pacific Grove, CA.

**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. Abstr. 21st Midwest Environmental Chemistry Workshop, Ann Arbor, MI.

**Lendvay, J. M. and P. Adriaens.** **1997.** Effects of a Surface Water on the Oxidation Capacity and Transformation of Chlorinated Solvents in a Contaminated Aquifer. Abstr. 213th American Chemical Society National Meeting, San Francisco, California.

**Lendvay, J. M., M. McCormick, S. Dean, and P. Adriaens.** **1997.** Biogeochemistry and Dechlorination Potential of Contaminated Groundwater-Surface Water Interfacial Regions. Abstr. 5th FAO/SREN (Sustainable Rural Environment and Energy Network) Workshop 'Anaerobic Conversions for Environmental Protection, Sanitation and Re-Use of Residues'. Gent, Belgium.

**Adriaens, P., J. M. Lendvay, M. McCormick, S. Dean, and S. K. Haack.** **1997.** 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 Conference, New Orleans, Louisiana.

***Poster Presentations***

**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. Abstr. 23rd General Assembly, European Geophysical Society, Nice, France.

**Lendvay, J. and P. Adriaens.** **1996.** Effect of Electron Donor and Electron Acceptor Concentrations on Reductive Dechlorination Rates of TCE at a Sulfidogenic Ground Water /Surface Water Interface. Abstr. HSRC/WERC Joint Conference on the Environment, Albuquerque, New Mexico.

**Lendvay, J. M. and P. Adriaens. 1995.** Batch and column studies of intrinsic bioremediation of chlorinated solvents at the groundwater/surface water interface. Abstr. In Situ and On Site Bioreclamation, 3rd International Symposium, San Diego, California.