

Rachel Adams

Professor of Civil Engineering and Environmental Science at Loyola Marymount University

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Seaver College of Science and Engineering

Description

Contact

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Rachel Adams teaches environmental engineering, environmental and aquatic chemistry, environmental systems laboratory, chemical fate and transport. Her research focuses on the use of passive samplers and bivalves for studying ultra-trace levels of organic and metal pollutants in the aquatic environment including Southern California waters. She also works on water sustainability projects including an undergraduate-led water conservation project and a clean water project in El Salvador. Before joining LMU, she worked on air and water quality projects as an environmental engineer for Radian and served as a Knauss Sea Grant Marine Policy Fellow at the U.S. Environmental Protection Agency's Marine Pollution Control Branch. Rachel received a B.S. in Chemical Engineering from the University of Michigan, an M.S. and Ph.D. in Civil & Environmental Engineering from the Parson's Lab at the Massachusetts Institute of Technology. She has been awarded external research grants from Sea Grant and the Metropolitan Water District and most recently an Office of Naval Research Sabbatical Grant. She is currently serving as the President for the Southern California Society of Environmental Toxicology & Chemistry. She has authored and presented many research papers including the 1st runner-up Technology Paper of the Year from the journal Environmental Science and Technology.

Industry Expertise

Education/Learning, Civil Engineering

Topics

Water Quality and Sustainability, Aquatic Chemistry, Environmental Systems, Sediment Contamination, Passive Sampling Development

Affiliations

Education

Massachusetts Institute of Technology

Ph.D. Civil and Environmental Engineering

Massachusetts Institute of Technology
MS Civil and environmental Engineering

University of Michigan
B.Sc. Chemical Engineering

Accomplishments

President, Southern California Society of Environmental Toxicology and Chemistry
July 2016 - July 2017

Knauss Sea Grant Fellow
Knauss Sea Grant Fellow for the US Environmental Protection Agency (EPA).

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