



Soil and Water Conservation Society

SOUTHERN  
NEW ENGLAND  
CHAPTER

# Water Quality in Southern New England - The Latest Research, Practice, and Policy

UMass Amherst – March 30, 2023

## SPEAKER INFORMATION

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| <p>DR. PADMINI DAS<br/>Chief, Nonpoint Source Management Program<br/><a href="mailto:padmini.das@mass.gov">padmini.das@mass.gov</a><br/>(781) 223-5169</p>  | <p>Massachusetts Department of Environmental Protection<br/>Central Regional Office<br/>8 New Bond St, Worcester, MA 01606<br/><a href="https://www.mass.gov/info-details/nonpoint-source-pollution">https://www.mass.gov/info-details/nonpoint-source-pollution</a></p> |
| <p>Dr. Das’ responsibilities include the development and implementation of the NPS Management Program Plan through Clean Water Act Section 604(b) Water Quality Management Planning Grants, and Section 319 NPS Competitive Grant Program. Dr. Das was previously the Chair of the Department of Biology at Nazareth College of Rochester, where she was also an Associate Professor, Director of the Environmental Science and Sustainability Program, and Director of the Environmental Quality and Remediation Research Group. She has research expertise in soil and water quality assessment and the design and implementation of sustainable best management practices to remediate a wide array of soil and water contaminants, notably lead, arsenic, plastic degradants, nutrients, TNT, RDX, PCBs, and emerging contaminants. Through these community-driven environmental projects, she has worked for the benefit of disadvantaged communities, engaging community youth as an integral part of these projects. Dr. Das has a Ph.D. in Environmental Management from Montclair State University, two Master of Science degrees in Environmental Science from the University of Texas at San Antonio and the University of Pune (India), and a Bachelor of Science degree in Microbiology from the University of Pune.</p> |  |
| <p>NANCY FERLOW<br/>State Resource Conservationist<br/><a href="mailto:nancy.ferlow@usda.gov">nancy.ferlow@usda.gov</a><br/>(860) 508-0648</p>  | <p>USDA Natural Resources Conservation Service<br/><a href="#">Connecticut State Office</a><br/>344 Merrow Rd Ste A, Tolland, CT 06084-3917<br/><a href="http://www.nrcs.usda.gov">www.nrcs.usda.gov</a></p>   |
| <p>The NRCS is the federal government's premier conservation organization on private lands. Nancy Ferlow is the State Resource Conservationist for USDA-NRCS in Connecticut. She has been with the agency for 30 years. Nancy’s current responsibilities include Agency compliance with the Endangered Species Act, Highly Erodible and Wetlands compliance, conservation planning tools, quality assurance and staff training. Her education is in Biology, Geology and Forestry.</p>  |  |
| <p>CHUCK HORBERT<br/>Deputy Administrator, Office of Water Resources<br/><a href="mailto:chuck.horbert@dem.ri.gov">chuck.horbert@dem.ri.gov</a><br/>(401) 222-6820 x 2777402</p>  | <p>Rhode Island Department of Environmental Management<br/>235 Promenade Street Providence, RI 02908<br/><a href="https://dem.ri.gov/environmental-protection-bureau/water-resources">https://dem.ri.gov/environmental-protection-bureau/water-resources</a></p>         |
| <p>After graduating in 1989 from the University of Rhode Island with a degree in Wildlife Biology and Management, Chuck was hired as a biologist by RIDEM in their Division of Freshwater Wetlands. Three years later, he became a Supervisor for that Program, where he spent most of his career to date until his promotion to Deputy Administrator in the Office of Water Resources in 2019, where he primarily oversees stormwater permitting and the Water Quality Certification Program but still gets his hands on the Freshwater Wetlands Program from time to time. When he isn’t at work, he is often found in a canoe somewhere on the waters of New England or the Adirondacks.</p>   |  |

# SPEAKER INFORMATION

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| <p>MIA MCDONALD<br/><a href="#">Circuit Rider</a><br/><a href="mailto:mia.mcdonald@mass.gov">mia.mcdonald@mass.gov</a><br/>Office: 508-767-2846   Cell: 857-303-2114</p>   | <p>Massachusetts Department of Environmental Protection<br/>Central Regional Office<br/>8 New Bond St, Worcester, MA 01606<br/><a href="https://www.mass.gov/wetlands-protection">https://www.mass.gov/wetlands-protection</a></p>   |
| <p>Mia McDonald is the Wetlands Circuit Rider for the Central Regional Office. Mia comes to MassDEP from her position as the Agent for the Towns of Northborough and Paxton. She also served on the Worcester Conservation Commission for approximately nine years. Mia graduated from WPI with a degree in environmental science which focused on environmental engineering and planning. She spent over a decade of her career in the private sector working on design, permitting and construction of drinking water and wastewater infrastructure.</p>   |  |
| <p>LISA MCINTOSH<br/>Senior Technical Manager<br/><a href="mailto:lmcintosh@woodardcurran.com">lmcintosh@woodardcurran.com</a><br/>(781) 690-7431</p>  | <p>Woodard &amp; Curran<br/><a href="https://www.woodardcurran.com/">https://www.woodardcurran.com/</a></p>  |
| <p>Lisa McIntosh is a senior technical manager and principal at Woodard &amp; Curran, with an academic background in environmental toxicology and over 25 years of experience in environmental consulting. Ms. McIntosh is certified as a general toxicologist by the American Board of Toxicology. During her career, Lisa has focused primarily on environmental risk assessment to support cleanup of contaminated sites, with special interest in risk communication and emerging contaminants. Her interests and background in ecology have also allowed her to dabble in the fields of wetlands and ecological restoration. She is actively involved in the scientific and regulatory community, including the Society of Environmental Toxicology and Chemistry, Society for Women Environmental Professionals and the Interstate Technology and Regulatory Council PFAS workgroup. In her free time, she spends as much time as she can either at home in the garden or out in the woods hiking and camping.</p> |  |
| <p>DAVID WONG<br/>Environmental Analyst, Wetlands and Waterways<br/><a href="mailto:david.w.wong@mass.gov">david.w.wong@mass.gov</a><br/>(617) 874-7155</p>  | <p>Massachusetts Department of Environmental Protection<br/>Boston Office<br/>1 Winter Street, Boston, MA 02108<br/><a href="https://www.mass.gov/topics/wetlands-waterways">https://www.mass.gov/topics/wetlands-waterways</a></p>  |
| <p>“Quality of Massachusetts Waters: Regulation, Improvement and Challenges”<br/>David Wong is an Environmental Analyst overseeing the 401 Water Quality Certification Program/WM 04 Chemical Application Program within Massachusetts Department of Environmental Protection. He holds a PhD in Marine Ecology, a MS and BSc in Fisheries/Aquaculture. David’s interests and experience include Water Quality Monitoring, Biological Invasions, Risk Assessment, Eutrophication Management, Ecological Restoration, and the Clean Water Act.</p>  |  |
| <p>BAOSHAN XING<br/>Professor and Director<br/><a href="mailto:bx@umass.edu">bx@umass.edu</a><br/>413-545-3866 (Office); 413-336-4850 (Cell)</p>   | <p>University of Massachusetts Amherst<br/>Stockbridge School of Agriculture, Paige Laboratory<br/>161 Holdsworth Way, Amherst, MA 01003<br/><a href="https://www.umass.edu/stockbridge/">https://www.umass.edu/stockbridge/</a></p> |
| <p>Baoshan Xing is Professor (Environmental &amp; Soil Chemistry) and Director of Stockbridge School of Agriculture at University of Massachusetts Amherst. His current research includes agricultural application of engineered nanomaterials, environmental processes of microplastics, use of biochar for soil improvement and remediation, and food safety. He is a “Most Cited Scientist” every year since 2014 when this analytics started, indicating the impact and significance of his research. His h-index is currently at 135 and the total citation on his research is over 75,000 (Google Scholar). Dr. Xing is currently an Editor of Environmental Pollution, Biochar, and Carbon Research. He received numerous national and international awards/honors. His research program is recognized nationally and internationally.</p>  |  |