

WATER@Mason Symposium



October 9, 2023

Potomac Science Center
George Mason University
Woodbridge, VA



Institute for a Sustainable Earth



WATER@Mason Symposium Schedule
October 9, 2023
GMU Potomac Science Center

Time	Presentation
9:00 am	Lands and Waters Acknowledgement in honor of Indigenous Peoples Day <i>Sara Jefferson, citizen of the Chickahominy Nation, and Domi Hannon</i>
9:10 am	Introduction
9:15 am	Semi-anadromous Potomac River Herring identified with otolith chemistry <i>Dr. T. Reid Nelson</i>
9:30 am	Per- and Polyfluoroalkyl Substances in Northern Snakehead (<i>Channa argus</i>) of the tidal freshwater Potomac River <i>Tabitha King</i>
9:45 am	How to avoid becoming a zombie: Low salinity tolerance in white-fingered mud crabs to escape castrating parasites <i>Darby Pochtar</i>
10:00 am	Disinfection byproduct formation from chlorocyanurates and their toxicity <i>Kadmiel Bediako Adusei</i>
10:15 am	Gaze Controlled Underwater Remotely Operated Vehicle to Improve Accessibility in Maritime Robotics <i>Vanessa Barth</i>
10:30 am	Remote Controlled Unmanned Surface Vehicle for Plankton and Water Collection <i>Ze Sen Li</i>
10:45 am	Coffee and Snack Break
11:15 am	Development of a user-friendly tool to measure the environmental impact of kelp aquaculture through the Life Cycle Assessment (LCA) methodology <i>Dr. Diego Valderrama</i>
11:30 am	Aquaculture as a regenerative approach to preserving sustainability in Bangladesh <i>Samreen Mehak</i>
11:45 am	Species Confirmation and Population Genetics of the Non-native Mystery Snails <i>Heterogen japonica</i> and <i>Cipangopaludina chinensis</i> Within the Eastern United States <i>Daya Hall-Stratton</i>
12:00 pm	A Wild Ride: Chasing the Stony Coral Tissue Loss Disease Outbreak in the Western Caribbean <i>Dr. Esther Peters</i>
12:15 pm	Worms got your tongue? Oral parasites alter acoustic signals and mate choice in frogs <i>Dr. Sarah Goodnight</i>
12:30 pm	Influence of water quality on bacterioplankton diversity in the tidal fresh portion of the Potomac River <i>Alexis Berger</i>
12:45 pm	A tale of two embayments: Interactions of water clarity, phytoplankton, suspended solids, and SAV drives ecosystem structure <i>Dr. R. Christian Jones</i>
1:00 pm	Lunch
2:00 pm	Poster Session and Networking
4:00 pm	Closing

