NEW MEMBER SPOTLIGHT

Alicia Sendrowski

Research Associate, Michigan State University



ABOUT MY WORK

I am a research associate in civil and environmental engineering at Michigan State University, with a focus on water resources. I study coastal and riverine systems, with projects in the Great Lakes, the Arctic, and coastal Louisiana. Using field work, statistical analysis, and remote sensing, I aim to understand how hydrological and biogeochemical processes interact in the landscape to create resilient systems. I am specifically interested in the dynamics of hydrological connectivity in coastal wetlands, the role of large wood in storing carbon in the landscape, and the impact of climate change on the Great Lakes.

WHY IAGLR?

I joined IAGLR to make connections with the Great Lakes community. I look forward to participating in conferences and learning from other scientists, managers, and stakeholders. I hope to also share my science and establish meaningful collaborations that enhance Great Lakes resiliency.



Alana Tedeschi

Ph.D. Candidate, McMaster University

ABOUT MY WORK

My research focuses on water quality in stream networks that contribute nutrients to Lake Erie. My work integrates science and communication through exploring spatiotemporal changes in phosphorus runoff in the Eastern Lake Erie Watershed and designing ways to effectively communicate the science of eutrophication to encourage public engagement in remediation strategies. I am currently investigating the influence of climate change and land-use activities on seasonal phosphorus export from the Grand River, a main tributary of the Eastern Basin, and I am particularly interested in stream water quality during the rapidly changing winter season. My work also develops educational resources and stream-monitoring methods for volunteers to learn about water-quality issues and collect data from streams throughout the Lake Erie Watershed.

WHY IAGLR?

I hope to gain a broader understanding of Great Lakes ecosystems, especially as the impacts of climate change continue to unfold. Keeping up with emerging research and interacting with like-minded members of the community greatly interests me.