



Wednesday, November 8

Poster Session 1

14:15	Nayeli Sanchez	Effects of Nutrients and Environmental Factors on Algae and Fish Communities
14:15	Thomas Pacious	Species Diversity of Mayfly (Ephemeroptera) Nymphs in the Lower Ogeechee River Basin
14:15	Chelsea Scheirer	Cladophora microbiome community composition response to temperature
14:15	Augustine Sitati	Does low shredder diversity compromise functional and litter decomposition metrics as indicators of ecological conditions in Afrotropical headwater streams?
14:15	Ashley LaRoque	Population Density and Body Size Drives Fish Movement
14:15	Ian Brunetz	What is the effect of flow on freshwater mussel growth rates across multiple river basins?
14:15	Haley Vaglianti	Aquatic beetles in Southern Appalachian hemlock conservation areas
14:15	Emma Greenberg	Notes on the distribution of endangered mussels in the Lower Flint River Basin
14:15	David Breault	Arrival and departure windows of Atlantic sturgeon in the Chesapeake Bay, United States

14:15	Hannah Swain-Menzel	Detection and Modelling of Darters and Madtoms: eDNA surveillance of imperiled southeastern fishes
14:15	Frank Akamagwuna	Variability in energy sources across agricultural land-use gradient of an Afrotropical river system: Insights from the Kat River, South Africa
14:15	Natalie Griffiths	Understanding the Role of Heterogeneous Land Cover and Hydrologic Regimes on Stream and Watershed Hydrobiogeochemical Function: A Research Overview
14:15	Jacob Dorris	Influence of Flow Intermittency on Leaf Litter Decomposition in Forested Gulf Coastal Plain Streams
14:15	Sarah Kelley	Using nutrient diffusing substrata to explore nutrient limitation in a managed forested watershed in Alabama
14:15	Stephen Plont	Developing Resources for Intermittent Stream Metabolism
14:15	Benjamin Trost	Using machine learning approaches to explore land use effects on stream particulate and dissolved chemistry across the United States
14:15	Kenneth De León Colón	Investigating the Role of Environmental Factors in the Dissemination of Antimicrobial Resistance in Surface Water
14:15	Emma Lacy	Quantifying Algal and Nutrient Concentrations in Urban Stormwater and Beaver Ponds
14:15	Viviana Bravo	Evaluation of aquatic macroinvertebrates communities and habitats using molecular and morphological identification in streams at the Savannah River Site

Poster Session 2

15:45	Chelsea Smith	Abiotic drivers of diversity in an intermittent watershed
15:45	Carolyn Cummins	Temperature effects on macroinvertebrate communities across seasons and elevations in headwater streams of the southern Appalachians
15:45	Molly McKeon	A Community Assessment of Aquatic Invertebrates and Fishes of the Ogeechee River
15:45	Isaac Wood	Microsporidian Midge Mystery: Chironomidae emergence timing in relation to Daphnia outbreaks
15:45	Henna Gavem	Effects of Dietary Algae as Fishmeal Replacement on Survival and Growth of the Sea Urchin, <i>Lytechinus variegatus</i>

15:45	Troy Keller	Effect of Astaxanthin Augmented Diet on Pigmentation, Growth, and Survival of an Invasive Crayfish, (<i>Procambarus clarkii</i>)
15:45	Charlie Kloppenburg	Enhancing drought resiliency through improved stream-floodplain connectivity on the Ceour d'Alene reservation
15:45	Sergio Sabat-Bonilla	We can implement it, but will they come? Unraveling the patchy responses of benthic macroinvertebrates to conservation practices along regional and landuse gradients.
15:45	Molly Almon	Do habitat changes downstream of small dams have consistent effects on the performance of <i>Nocomis micropogon</i> (River Chub) and <i>Nothonotus rufilineatus</i> (Redline Darter)?
15:45	Sydney Haney	Shenandoah springs as a refuge for rare and threatened macroinvertebrates
15:45	Kelley Sinning	Benthic macroinvertebrate secondary production dynamics along a mining-induced salinity gradient
15:45	Rachel Scarlett	Shifts in Stream Ecological Function with Increasing Urbanization
15:45	Deandre Presswood	Quantifying how differing hydrologic disturbance events in conjunction with varying land use effect stream metabolism
15:45	Zach Gordon	The impact of salinity on leaf litter decomposition and a freshwater isopod
15:45	Nicole Tripp	Response of Red Swamp Crayfish to increasing current velocities: attraction or repulsion?
15:45	Sarah Shinker-Connelly	Integrating amplicon sequencing and community science to survey the biodiversity of organisms with complex life cycles
15:45	Sophie Barnett	Quantifying Macroplastic Pollution in the Catawba River Basin
15:45	Checo Colon Gaud	Research and Mentoring Opportunities in Coastal Ecosystems
15:45	Donya Mohamed	Someone's Salty: How Rising Salinities in Urban Streams in the DC-metropolitan Area are Affecting the Functions of Freshwater Mussels
15:45	Madison Rollins	Risk Analysis on Septic Drain Fields and their Effect on Athens-Clarke County, Georgia Watersheds

Thursday, November 9

Oral session 1

Conservation (Room 209/210)

- 9:00 Josh Millwood The molecular and physiological responses to thermal stress of four unionid species
- 9:15 Lillie Sweeney Synoptic mussel surveys for the development of a Habitat Conservation Plan in the lower Flint River Basin
- 9:30 Natalie Horn Using an Acoustic Doppler Current Profiler to model impacts of variable stream flows on habitat at the reach scale
- 9:45 Bijoy Kumar Ghosh Hydraulic Impact on Fish Migration in a Sariakandhi Fish Pass of Bangladesh

Methodological advances (Room 215/216)

- 9:00 Kelsey Solomon Comparing diatom weighted averaged phosphorus optima between two regions in the greater Everglades ecosystem using a new subsampling method
- 9:15 Audrey Thellman River productivity under ice: Leveraging satellite imagery, field cameras, and sensors to understand river ecosystem phenology in a changing climate
- 9:30 Rachael Rowe Applications of eDNA metabarcoding as a biomonitoring method for freshwater invertebrates
- 9:45 Nikki Jones Machine Learning for Autonomous Benthic Macroinvertebrate Identification

Ecosystem ecology (Room 310/311)

- 9:00 Zacharie Loveless Particulates All the Way Down: Hydrologic and Land Use Controls on Particulate Quantity and Bioavailability
- 9:15 Nick Marzolf Rejecting advection, or doing ecosystem science in rivers when they stop flowing
- 9:30 Amanda DeVecchia The Piedmont Pea Pod: Longitudinal heterogeneity in greenhouse gas dynamics
- 9:45 Jingjin Li Identifying nutrient and light thresholds that promote cyanobacteria dominance in large rivers

Oral session 2

Human dimensions and water quality (Room 209/210)

- 10:30 Aubrey Dyer Water Quality Service Learning in Study Abroad: Lessons from Costa Rica
- 10:45 Jessica Sterling Neighborhood Water Watch: Solving Urban Water Quality Problems with Community Science
- 11:00 Audrey Goeckner Comparing dissolved organic carbon quality and greenhouse gas saturation between constructed and natural ponds
- 11:15 Benjamin Webster Reservoir Hydrologic Residence Time Drives Nitrogen Deposition in Reservoirs in the Apalachicola-Chattahoochee-Flint Watershed
- 11:30 Raymond Kidder Impacts of Salinity Intrusion on the Ecology of Georgia Barrier Island Wetlands
- 11:45

Organismal ecology (Room 215/216)

- 10:30 Cassandra Waldrop Prey availability and imidacloprid detection in aquatic salamanders in the Southern Appalachians
- 10:45 Alexandra Theisen Comparing Amphiuma means in mainland and coastal Georgia
- 11:00
- 11:15 Brooke Grubb An exploratory assessment of crayfish morphology for phylogenetic inference within species complexes
- 11:30
- 11:45

Ecosystem ecology (Room 310/311)

- 10:30 Jonathan Lopez A novel self-contained chamber design for benthic ecosystem experiments in streams

- 10:45 Matthew Lodato Using a novel benthic chamber design to assess functional trait mediated effects of animal aggregations on ecosystem processes
- 11:00 Anika Grosse From benthic to hyporheic: how light and macronutrient ratios shape functional and structural biofilm responses
- 11:15 Amy Rosemond Warmer streams may support less aquatic life through altered carbon pathways
- 11:30
- 11:45

Oral session 3

Community ecology (Room 209/210)

- 14:00 Elizabeth Sicking Does past wetland hydrology influence macroinvertebrate communities in isolated wetlands?
- 14:15 Nathan Wisnoski Diversity-stability relationships across organism groups and ecosystem types become decoupled across spatial scales
- 14:30 Irene Sánchez González Morphological Classification of North American Freshwater Mussels Reveals Patterns of Habitat Use Across Spatial Scales
- 14:45

Ecosystem ecology (Room 215/216)

- 14:00 Nguyen Tien Anh Quach You are what you eat - Investigating basal carbon sources and transformations in stream food webs
- 14:15 Jonathan Behrens Connecting Aquatic Primary and Secondary Production in Urban and Forested Watersheds
- 14:30 Adam Siders Manatee feces link freshwater to marine ecosystems through subsidizing invertebrate secondary production
- 14:45 Alexis Jackson Drivers of wetland carbon storage across the United States