

# GEER 2023 Poster Directory

As of: 3/31/2023

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
James	Beerens	South Florida Water Management District	West Palm Beach	FL	Supporting Ecological Functions in South Florida with the Minimum Flows and Levels Program	13	Poster	One
Kathleen	Boston	U.S. Geological Survey	Reston	VA	Monitoring Coastal Change on Jim Foot Key in Everglades National Park, FL with SAR Technology	9	Poster	Two
Laura	Brandt	USFWS	Davie	FL	Trends in American Alligator Pods in Arthur R. Marshall Loxahatchee National Wildlife Refuge 1998-2021	34	Poster	One
Mary	Brown	U.S. Geological Survey	Gainesville	FL	Fish Slam: Ten Years of Collaborative Non-native Fish Monitoring	40	Poster	One
Edward	Castaneda	Florida International University	Miami	FL	Hurricane Impacts on Structural Development and Carbon Dynamics in Riverine Mangroves of the Florida Everglades	31	Poster	Two
Stephanie	Castellano	University of Florida	Gainesville	FL	Incorporating Sea Level Rise into Everglades Restoration Planning	30	Poster	One
Nicholas	Castillo	Florida International University	Miami	FL	Drugs in our Flats: Exposure of South Florida Bonefish to Pharmaceuticals	42	Poster	One
Katherine	Castrillon	Florida International University	Miami	FL	Rehydrating an Urban Forested Watershed: Tree Response to Flow During the First Decade	19	Poster	One
Sean	Charles	East Carolina University	Wanchese	NC	Everglades as Resting Grounds for Passive and Active Data Fusion: Improvements to Global Budgets and Regional Processes	43	Poster	One
Chang Jae	Choi	University of Florida, FLREC	Davie	FL	Comparative Genomics of Pathogenic and Non-Pathogenic Strains of <i>Labyrinthula</i> sp.	15	Poster	One
Tasso	Cocoves	U.S. Army Corps of Engineers	Jacksonville	FL	Informing Everglades Restoration: From Monitoring and Assessment to Evaluation Tools	23	Poster	One
Jenna	Cole	University of Florida	Davie	FL	Factors Influencing Body Condition of Argentine Black and White Tegus ( <i>Salvator merianae</i> ) in Southern Florida	18	Poster	Two

# GEER 2023 Poster Directory

As of: 3/31/2023

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
Timothy	Collins	Florida International University	Miami	FL	The Diversity and Distribution of Non-Native Flatworms and a Ribbon Worm in South Florida	11	Poster	Two
Xavier	Comas	Florida Atlantic University	Boca Raton	FL	Drone-based Ground-penetrating Radar Measurements to Characterize Carbon Dynamics of Peat Soils in the Everglades	28	Poster	Two
Raelene	Crandall	University of Florida	Gainesville	FL	Fire and Flooding Interact to Affect Survival of <i>Croton linearis</i> , a Rare Pine Rockland Plant	12	Poster	Two
Laura	D'Acunto	U.S. Geological Survey	Gainesville	FL	The Impact of Uncertainty on Model Outcomes Used for Everglades Restoration Planning	45	Poster	One
Wesley	Daniel	U.S. Geological Survey	Gainesville	FL	What the Early Detection and Rapid Response Information System Means to the Everglades and Florida	10	Poster	Two
Stephen	Davis	The Everglades Foundation	Palmetto Bay	FL	The Everglades Handbook: Understanding the Ecosystem – its 40-year Evolution	16	Poster	One
Maite	De Maria	U.S. Geological Survey	Gainesville	FL	Transcriptomics Analysis of Glyphosate and Perfluorooctanesulfonic Acid Effects (PFOS) on the Immune System of Florida Manatees	4	Poster	One
Donald	DeAngelis	U.S. Geological Survey	Davie	FL	Experiment and Mathematical Model of Control of Water Hyacinth	22	Poster	One
Jessica	Dell	U.S. Army Corps of Engineers	Jacksonville	FL	Biscayne Bay and Southeastern Everglades Ecosystem Restoration: Performance Measure Target-Setting Informed by Sea Level Rise	33	Poster	Two
Mat	Denton	U.S. Geological Survey	Gainesville	FL	Isotopic Analysis of American Alligators ( <i>Alligator mississippiensis</i> ) Reveals Notable Intraspecific Niche Plasticity Throughout the Everglades	35	Poster	One
Cody	Eggenberger	Florida International University	Miami	FL	Movement Patterns and Habitat Selection of Common Snook and Atlantic Tarpon in the Coastal Everglades	41	Poster	One

# GEER 2023 Poster Directory

As of: 3/31/2023

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
Marissa	Figueroa	Florida International University/ Rookery Bay NERR	Naples	FL	Investigating the Influence of Rehydration on Soil Carbon Flux in Rookery Bay NERR Mangrove Forest	41	Poster	Two
Nicholas	Gonzalez	Miccosukee Tribe of Indians of Florida	Miami	FL	Using Trail Cameras to Estimate Relative Abundance Indices of Wildlife Across Miccosukee Tribal Lands	48	Poster	Two
Saira	Haider	U.S. Geological Survey	Davie	FL	Lessons Learned: Increasing Inclusivity with the Everglades Tree Island Indicator (ETrii)	47	Poster	One
Taylor	Hancock	University of South Florida/Florida Gulf Coast University	Fort Myers	FL	Elevated Hydrogen Peroxide Forecasts Cyanobacterial Blooms: A Gene Expression Connection	9	Poster	One
Dennis	Hanisak	FAU Harbor Branch	Fort Pierce	FL	Addressing the Emerging Environmental Issue of Coastal Acidification in Florida's Estuaries: The Indian River Lagoon Observatory Network of Environmental Sensors (IRLON)	37	Poster	Two
Madison	Harman	University of Florida	GAINESVILLE	FL	Diet Composition of Invasive Argentine Giant Tegus ( <i>Salvator merianae</i> ) in Miami-Dade and Charlotte Counties, FL	15	Poster	Two
Young Gu	Her	University of Florida	Homestead	FL	Impacts of Climate Change and Sea Level Rise on Southeast Florida's Groundwater Resources	35	Poster	Two
Myranda	Hernandez	SOFTEL- Florida International University	miami	FL	Distribution of C <sub>3</sub> and C <sub>4</sub> Plants Along Hydrological Gradient in the Everglades, Florida	17	Poster	One
Samantha	Hormiga	Florida International University	Miami	FL	Coastal Carbon Flux: Periphyton Contributions and Diatom Indicators	30	Poster	Two
Hunter	Howell	University of Miami	Coral Gables	FL	The Ecology of the Greater Siren and the Two-Toed Amphiuma in the Everglades	38	Poster	One
Md Rajeun	Islam	Florida Atlantic University	Boca Raton	FL	Laboratory-based Airborne Ground-Penetrating Radar Measurements to Identify Hot Spots for Gas Accumulation in the Everglades	29	Poster	Two

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
Richard	James	South Florida Water Management District	West Palm Beach	FL	The Restoration Strategies Science Plan	42	Poster	Two
Peter	Kalla	United States Environmental Protection Agency	Athens	GA	Interacting Contaminants Can Influence Mercury Bioaccumulation in the Everglades Marsh	5	Poster	One
Andrew	Kamerosky	Applied Ecology Inc	Melbourne	FL	Remote Sensing of HABs in the Indian River Lagoon, FL: UAS Hyperspectral to Satellite Multispectral	10	Poster	One
Thomas	Kelly	Miccosukee Fish & Wildlife	Fort Lauderdale	FL	Passive Acoustic Monitoring of Vespertilionid and Molossid Bats on Miccosukee Tribal Lands	31	Poster	One
Samuel	Kent	Florida International University	Miami	FL	Horticultural Nurseries-based Pollution Dynamics and Apportionment in Canals of South Miami Dade, Florida	3	Poster	One
Marguerite	Koch	Florida Atlantic University	Boca Raton	FL	Linkages Between Seagrass Tissue O <sub>2</sub> Dynamics and Ecosystem Oxidation and Feedbacks are Revealed using Microsensors In Situ	1	Poster	Two
Kurt	Kowalski	U.S. Geological Survey	Ann Arbor	MI	Collaborations and Landscape-scale Adaptive Management of Invasive <i>Phragmites australis</i> : Insights from the Great Lakes	24	Poster	Two
Michael	Kratz	Florida Gulf Coast University	Fort Myers	FL	QT-AMP: Sequencing PCR Amplicons from Quanti-Tray Wells to Analyze Enterococci Communities	6	Poster	One
Savannah	Lacy	U.S. Army Corps of Engineers Jacksonville District	Jacksonville	FL	How Operational Flexibility Replenished Submerged Aquatic Vegetation on Lake Okeechobee in 2019	14	Poster	One
Lukas	Lamb-Wotton	Florida International University	Miami	FL	Assessing Vulnerability of Everglades Coastal Peat Marsh: A Framework for Local-to-Regional Scale Evaluation	38	Poster	Two
Jacob	Larsson	Florida Fish and Wildlife Conservation Commission	Sunrise	FL	Woody Vegetation Mechanical Treatment: Restoring the Sawgrass Marsh	21	Poster	Two
Shelby	LeClare	University of Florida	Gainesville	FL	Effects of the Invasive Burmese Python on the Everglades Food Web	13	Poster	Two

# GEER 2023 Poster Directory

As of: 3/31/2023

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
Dakota	Lewis	University of Florida	Gainesville	FL	Freshwater Discharge Disrupts Linkages Between the Environment and Estuarine Fish Community	7	Poster	Two
Yuanming	Lu	University of Florida	Gainesville	FL	Micro-Scale Spatial Patterns of Plant Invasion Dynamics and Its Controlling Efficiency	22	Poster	Two
Michael	Manna	South Florida Water Management District	West Palm Beach	FL	Reconnecting Everglades Vegetation Communities and Determining Effective Maintenance Control of Cattail	23	Poster	Two
Brittany	Mason	University of Florida	Davie	FL	Factors Influencing Movement Patterns of the Invasive Argentine Black and White Tegu ( <i>Salvator merianae</i> )	19	Poster	Two
Kelly	McCaffrey	University of Florida	Davie	FL	Body Condition Index Validation in the Argentine Black and White Tegu ( <i>Salvator merianae</i> )	16	Poster	Two
Christopher	McVoy	South Florida Engineering & Consulting	Lake Worth	FL	Temperature and Dissolved Oxygen Profiles in an Everglades Slough	7	Poster	One
Alex	Meinders	Audubon Florida	Naples	FL	Spatial and Temporal Trends in Mammal Communities in an Ecologically Important Western Everglades Sanctuary	37	Poster	One
Tyler	Michels	Miccosukee Tribe of Indians of Florida	Miami	FL	Investigating Breeding Status and Distribution of Eastern Black Rail ( <i>Laterallus jamaicensis jamaicensis</i> ) on Miccosukee Tribal Lands	39	Poster	One
Melissa	Nasuti	U.S. Army Corps of Engineers	Jacksonville	FL	2020 Combined Operational Plan Biennial Report: Connecting the Dots Between Operations, Monitoring, and Future Planning	11	Poster	One
Samuel	Neely	Florida International University	Miami	FL	Establishing Modern Peat Analogs to Decipher Mangrove Sub-habitats from Historical Peats	18	Poster	One
Danielle	Ogurcak	Florida International University	Miami	FL	Mangrove Forest Recovery in Rookery Bay National Estuarine Research Reserve Five Years following Hurricane Irma	21	Poster	Two
Ikechukwu	Onwuka	Florida International University	Miami	FL	Particulate and Phosphorus Dynamics in the Water Column and Sediments of Greater Everglades Ecosystem Canals	8	Poster	One

## GEER 2023 Poster Directory

As of: 3/31/2023

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
William	Orem	U.S. Geological Survey	Reston	VA	Lignin Phenols as Markers of Seagrass History in Florida Bay Sediments	2	Poster	Two
Melinda	Paduani	Florida International University	Miami	FL	Microplastic Sequestration by Mangroves in the L-31E Flow-way of Biscayne Bay	43	Poster	Two
Rajendra	Paudel	South Florida Natural Resources Center	Homestead	FL	Everglades Hydrologic Response to Future Climate Change	36	Poster	Two
Adam	Pérez	Cherokee Nation System Solutions contractor in support of the U. S. Geological Survey	Gainesville	FL	Development of an Environmental DNA CRISPR Biosensor for the Detection of Invasive Burmese Pythons in the Greater Everglades	14	Poster	Two
Matthew	Petkewich	U.S. Geological Survey	Columbia	SC	Real-Time Monitoring Index to Identify Changing Salinity Conditions Related to Coastal Environment Disturbance Events	24	Poster	One
Jennifer	Rehage	Florida International University	Miami	FL	Seagrass Seascape State, Stability, and Function in Relation to Water Quality in Biscayne Bay	3	Poster	Two
Laura	Reynolds	Conservation Concepts / Florida International University	Tallahassee	FL	Increased Phosphorous Availability Impacts Seagrasses in Biscayne Bay, Implications for Water Quality Management and Biscayne Bay Southeast Everglades Restoration (BBSEER) Project	4	Poster	Two
Amanda	Richey	Florida International University	Miami	FL	Hydrologic Effects on Net Ecosystem Exchange of CO <sub>2</sub> in the Southeastern Saline Everglades	32	Poster	Two
Jonathan	Rodemann	Florida International University	Miami	FL	Multi-scale Habitat Selection of Spotted Seatrout in an Area of Seagrass Recovery	5	Poster	Two
Stephanie	Romañach	U.S. Geological Survey	Gainesville	FL	Sea Level Rise Impacts on Priority Habitats and Species	34	Poster	Two

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
Deusededith	Rugemalila	Florida International University	Miami	FL	Local and Spatial Variability in Vegetation Species Composition in Relation to Environmental Heterogeneity in the Everglades Ecosystem	39	Poster	Two
Darren	Rumbold	Florida Gulf Coast University	Fort Myers	FL	A Bayesian Network as a Decision Support Tool for Managing the Caloosahatchee River Estuary	8	Poster	Two
Daniel	Russell	University of Florida, Croc Docs	Davie	FL	Diet Analysis of Invasive Argentine Black and White Tegus ( <i>Salvator merianae</i> ) in Southern Florida	17	Poster	Two
Owen	Schneider	University of Florida	Gainesville	FL	Two Decades of Restoration Shape Rare Plant Communities Along an Elevational Gradient in South Florida	28	Poster	One
Jorge Rodrigo	Sedeno	US Army Corps of Engineers	Jacksonville	FL	Setting the Foundations for a CERP Science Module in the Southwestern Margins of the Everglades	12	Poster	One
Julia	Silva Seixas	University of Georgia	Athens	GA	From the Everglades to the Cities: Trade-offs to Urban Nesting in White Ibises ( <i>Eudocimus albus</i> )	32	Poster	One
Dylan	Sinnickson	Florida International University	Miami	FL	Modeling Slough Crayfish Populations in Response to Hydrologic Variability	20	Poster	One
Daniel	Slone	U.S. Geological Survey	Gainesville	FL	How Many Are Really Down There? Evaluating Electrofishing Catchability Rates for Biosurveillance of Non-native Freshwater Fishes	44	Poster	One
Samantha	Smith	University of Florida	Davie	FL	Using Camera Traps to Estimate Occupancy of Invasive Tegus ( <i>Salvator merianae</i> ) in South Florida	20	Poster	Two
Bethany	Stackhouse	U.S. Geological Survey	Reston	VA	Resiliency of Mangroves and Coastlines in a Changing Climate	46	Poster	Two
Uli	Stingl	University of Florida	Davie	FL	Endophytic Fungi Can Inhibit the Growth of the Causative Agent of Seagrass-Wasting Disease, <i>Labyrinthula</i> sp.	6	Poster	Two
Eric	Swain	U.S. Geological Survey	Davie	FL	Programmatically Estimating Volumetric Flow in the Everglades Depth Estimation Network (EDEN)	25	Poster	Two

# GEER 2023 Poster Directory

As of: 3/31/2023

First Name	Last Name	Affiliation	City	ST	Abstract Title	Poster #	Format	Poster Session
Christina	Tilley	Florida International University	North Miami	FL	Discerning the Relationships Between Water Levels, Crayfish Populations, and White Ibis in the Western Everglades	33	Poster	One
Mohsen	Tootoonchi	University of Florida	Belle Glade	FL	Impact of Floating Aquatic Vegetation in Drainage Canals and Farm Phosphorus Discharges	1	Poster	One
Umida	Turamuratova	Florida Atlantic University	Boca Raton	FL	Exploring The Effects of Water-Table Elevation Changes In Peat Soils Across A Salinity Gradient	27	Poster	Two
Stephanie	Verhulst	US Army Corps of Engineers	Jacksonville	FL	Updating Methods to Estimate Florida Bay Salinity for the RECOVER Southern Coastal Systems	29	Poster	One
Rosario	Vidales	Florida International University	Miami	FL	Leaf Functional Trait Variation in Red Mangroves of Neighboring Coastal Environments	44	Poster	Two
Mariaguadalupe	Vilchez	University of Florida	Gainesville	FL	A Chomp and a Slither: The Implications of the Invasive Burmese Python on American Alligator	36	Poster	One
Youchao	Wang	South Florida Water Management District	West Palm Beach	FL	Everglades Agricultural Area Phosphorus Source Control Program Basin Monitoring and Performance Assessment	2	Poster	One
Lynn	Wingard	U.S. Geological Survey	Reston	VA	Linking Modern and Sediment Core Data to Identify Potential Indicator Species for Restoration Performance Measures	27	Poster	One
Nathaniel	Winn	Florida Atlantic University	Boca Raton	FL	Internal Oxygen Dynamics and Rhizosphere Oxidation in Tropical Seagrass, <i>Thalassia testudinum</i>	40	Poster	Two
Simeon	Yurek	U.S. Geological Survey, Wetland and Aquatic Research Center	Gainesville	FL	Optimal Foraging Models of Wading Birds in Seasonally-pulsed Everglades Wetlands	21	Poster	One