

2024 Florida Coastal Everglades LTER All Scientists Meeting

Poster Session

April 29, 2024 5:00-7:30pm

Garden House at Fairchild Tropical Botanic Garden

Poster #	Title	Authors
1	Increasing low-velocity discharge supports more aquatic animal biomass: Lessons from the Decompartmentalization Physical Model	Marco Fernandez , Nathan J. Dorn, and Joel C. Trexler
2	Exploring seasonal variation of algal fatty acids to Everglades resource pools and consumers	Alan J. Mock , M. Fernandez, and N. J. Dorn
3	Fiddler crab burrow activity alters Annelid density	Valerie N. Acosta Rodriguez and David S. Johnson, Coastal Connections
4	Bioturbation effects of <i>Minuca pugnax</i> on wetland soil biogeochemistry along the U.S. east coast	Amanda Spivak and Dillon Doomstorm
5	LTER Cross-site comparison of fiddler crab resource use along the U.S. Atlantic following range expansion	Eric Gomez Gonzalez , James A. Nelson, James W. Sturges, Jennifer S. Rehage, Rolando O. Santos, and W. Ryan James
6	A multi-level approach to assessing nektonic biodiversity and community structure of seagrass seascapes	Gina A. Badlowski , Marianna Coppola, W. Ryan James, Jennifer S. Rehage, and Rolando O. Santos
7	Seascape heterogeneity drives movement strategy selection in estuarine predators	Cody Eggenberger , Natasha Viadero, Rolando Santos, Rene Price, Yannis Papastamatiou, and Jennifer Rehage
8	Brown, green, and everything between: Contextualizing Everglades food web energy dynamics	James Sturges , W. Ryan James, and Ryan J. Rezek

2024 Florida Coastal Everglades LTER All Scientists Meeting

Poster Session

April 29, 2024 5:00-7:30pm

Garden House at Fairchild Tropical Botanic Garden

9	Consumer nutrient dynamics of coastal and marine ecosystems in the wake of global change	Mack White , J. Rehage, B. Strickland, J. Peters, D. Burkepile, J. Allgeier, A. Stier, A. Chen, A. Stajner, A. Spivak, M. Castorani, D. Capone, G. Cawley, J. Nelson, J. Caselle, K. Emery, L., Enright, R. Hopcroft, S. Grier and N. Lemoine
10	Everglades bull sharks display preferential associations	Sophia Hemsli , Robert Roose, William Sample, Kirk Gastrich, Laura Garcia Barcia and Michael Heithaus
11	Drivers of movement and emigration timing in juvenile bull sharks	William R. Sample and Michael R. Heithaus
12	Carbon and energy fluxes of a transitional ecosystem in the Southeast Saline Everglades	David Yannick , Steven F. Oberbauer, Christina Staudhammer, and Gregory Starr
13	Detection of woody plant community change on wetland tree islands from remotely sensed data - A historic change analysis	Ximena Mesa , Jay Sah, and Daniel Gann
14	Landward creek expansion in the Southern Everglades and the distribution of halophytic communities	Jessika Reyes and Daniel Gann
15	Using multitemporal electrical mapping analysis to find the inland extent of saltwater intrusion along the Main Park Road of the Southern Region of the Everglades National Park	Denise Garcia and Dean Whitman
16	Drops for dollars: Illuminating South Florida's willingness to pay for Everglades water management decisions	Chloe' Vorseth , Mahadev Bhat, and G. Andrew Stainback
17	Mangrove mosquito biodiversity and vector distribution: implications for mosquito–host interactions on human and wildlife health	Kinsey Blumenthal , David Lagomasino, Stephanie Richards, Aaron Kipp, Lawrence Reeves, and Rachel Gittman

2024 Florida Coastal Everglades LTER All Scientists Meeting

Poster Session

April 29, 2024 5:00-7:30pm

Garden House at Fairchild Tropical Botanic Garden

18	Water depth and biogeochemical variables explain spatiotemporal patterns of flocculent organic matter metabolic rates and microbial communities in subtropical freshwater marshes	Jordon King , John Kominoski, Rafael Travieso, Kenneth Anderson, Chang Jae Choi, and Ulrich Stingl
19	Investigating how marine hydrologic connectivity drive differences in aboveground biomass and net primary productivity of coastal mangrove forests, South Florida, USA	Kevin Montenegro , John S. Kominoski, Edward Castañeda-Moya, Kevin Whelan, and Michelle Prats
20	Quantifying spatial shifts in phosphorus and vegetation during freshwater restoration in the Northeast Shark River Slough, Everglades National Park (FLORIDA, USA)	Veronica B. Restrepo , John S. Kominoski, and Daniel Gann
21	Effects of wetland hydrology and macrophyte community type on macrophyte and microbial mat biomass	Carolina Candelario , Paige M. Kleindl, and Evelyn E. Gaiser
22	Co-variation of macrophyte and microbial mat biomass in short hydroperiod wetlands	Paige M. Kleindl , Jay Sah, Mike Ross, and Evelyn E. Gaiser
23	Drivers of algal metacommunity assembly and resilience in the Central Everglades	Tommy Shannon and Evelyn Gaiser
24	Rooting for phosphorus: unveiling the microbial dynamics in the sawgrass rhizosphere	Kevin Montiel
25	Integrating tide-driven wetland soil redox and biogeochemical interactions into a land surface model	Benjamin N. Sulman , Shannon Jones, Inke Forbrich, Zoe Cardon, and Anne Giblin
26	Improving biogeochemical modeling of coastal regions in a land surface model by representing mangrove hydrology and ecosystem functions	Shannon Jones and Ben Sulman