2022 Florida Coastal Everglades LTER All Scientists Meeting
Poster Session
March 2, 2022 5:00-7:30pm
Garden House at Fairchild Tropical Botanic Garden

Poster number	Research question(s)	Title	Authors
1		Nutrient limitation interacts with carbon sources and hydrology to drive dissolved organic matter in wetlands	**Kenneth Anderson**, John Kominoski, Andrea Nocentini, and Sophia Hoffman
2		Use of remote sensing to determine damage and recovery of mangrove forests in the Everglades following hurricane disturbances	**Selena Chavez**, Shimon Wdowinski, David Lagomasino, Edward Castaneda, Lola Fatoyinbo, Bruce Cook, Ryan Moyer, Kara Radabaugh, Joseph M. Smoak, Tiffany Troxler, and Evelyn Gaiser
3		Hydraulic conductivity and pore water nutrient concentrations of mangrove and sawgrass peat under varying salinity conditions in Shark River Slough	**Nicole Cordoba** and Rene M. Price
4		Peat Collapse: Carbon fluxes, flocculent transport and environmental signature	**Lauren DeVito** and Tiffany Troxler
5		Differences in water level synchrony between recent El Niño–Southern Oscillation (ENSO) events	**Bryan Gonzalez**, Sparkle L. Malone, M. Grace McLeod, and Amanda Richey
6		Freshwater rehydration increases primary production and mobilizes legacy phosphorus in Everglades marshes	**Sophia E. Hoffman**, John S. Kominoski, Kenneth J. Anderson, Andrea Nocentini, Evelyn Gaiser, and Jed Redwine
7		Water levels primarily drive variation in photosynthesis and nutrient use of scrub Red Mangroves in the southeastern Florida Everglades	**J. Aaron Hogan**, Edward Castañeda-Moya, Lukas Lamb-Wotton, Tiffany Troxler, and Christopher Baraloto

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8		Coastal carbon flux: Periphyton contributions and diatom indicators	**Samantha Hormiga** and Evelyn Gaiser
9		The role of benthic periphyton mats in regulating macrophyte communities in a marl prairie wetland	**Paige M. Kleindl**, Anna Wachnicka, and Evelyn E. Gaiser
10		A new, coastal peat marsh surface elevation table-marker horizon (SET-MH) network for monitoring elevation change in the Florida Coastal Everglades	**Lukas Lamb-Wotton** and Tiffany G. Troxler
11		Primed and Cued: Linking interannual and seasonal variations in freshwater flows to the spawning migrations of Common Snook in the Florida Everglades	**Jordan A. Massie**, Rolando O. Santos, Ryan J. Rezek, W. Ryan James, Natasha Viadero, Ross E. Boucek, D.A. Blewett, A.A. Trotter, P.W. Stevens, and Jennifer S. Rehage
12		Proposal: Fire history and climate drive patterns of post-fire recovery in Everglades upland ecosystems	**M. Grace McLeod** and Sparkle L. Malone
13		Quantifying how increased marine hydrologic inputs affect coastal mangrove soil accretion and elevation	**Kevin Montenegro**, John Kominoski, Kevin Whelan, and Michelle Prats
14		Surrogate measurements of suspended sediment concentrations to determine hydrologic effects on water quality in an Everglades canal in Florida USA	**Ikechukwu "Ike" Onwuka**, Leonard J Scinto, and David Fugate
15		Accelerating sea-level rise and the fate of mangrove plant communities in South Florida, U.S.A.	**Randall W. Parkinson** and Shimon Wdowinski

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16		Methane emissions from mangroves in the Everglades based on the eddy covariance measurements	**Prajaya Prajapati**, Sparkle Malone, Tiffany G. Troxler, and Edward Castaneda
17		Proposal: Salinity effect on carbon uptake rates in a low productivity saline ecotone wetland	**Amanda Richey** and Sparkle Malone
18		Drivers of benthic algal metacommunities and their functional resilience	**Thomas Shannon** and Evelyn Gaiser
19		Is there a significant difference in decomposition rates in a plot of cattails vs a plot of sawgrass?	**Lacey Simpson** and Jennifer Cruz
20		Thin Layer Placement: Increasing soil capital of Florida's coastal marshes	**Shanna Stingu**
21		Between dry rock and a salty place: How hydrology influences the habitat use of Florida Largemouth Bass	**Natasha M. Viadero**, Jordan A. Massie, Cody W. Eggenberger, W. Ryan James, Ryan J. Rezek, Rolando O. Santos, and Jennifer S. Rehage
22		Tight Lines and Survey Designs: Estimating the recreational economic value of Lake Okeechobee and the Northern Estuaries	**Chloé Vorseth**, Mahadev Bhat, and G. Andrew Stainback
23		Proposal: Addressing mosquito population dynamics in South Florida with geographic distribution and genomic variation analysis using a community-based mosquito surveillance program	**Helen Wagner**, Michael Ramon, Gabriel Perez, Jessica Quinones, Dr. Andre da Costa da Silva, Dr. Anthony Bellantuono, Dr. Sparkle Malone and Dr. Matthew DeGennaro

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24		A comparison of decomposition rates along a hydrological gradient in a rehydrated forested wetland	**Cristina Whelan**, Sabrina Lyons, Sarah Moreno, and Gabriel Palacio
25		Space-based mapping of mangrove canopy height with multi-sensor observations using machine learning technique	**Boya Zhang**, Kaleb Smith, Shimon Wdowinski, Chaohao Lin, Daniel Gann, Selena Chavez, and Jingchao Zhang