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EDUCATION

Degree	Institution	Field	Dates
Postdoctoral	University of Georgia	Ecology	2010-2012
Postdoctoral	University of British Columbia	Forest Sciences	2008-2010
Ph.D.	University of Georgia	Ecology	2003-2008
M.S.	Loyola University Chicago	Biology	2001-2003
B.A.	Augustana College	Biology	1995-1999

FULL-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates (Month &Year)
Florida International University	Assistant Professor	Biology	August 2012 - 2018
Florida International University	Associate Professor	Biology	August 2018 –Present
Florida International University	Professor	Biology	August 2023 –Present

PART-TIME ACADEMIC EXPERIENCE

Institution	Rank	Field	Dates (Month &Year)
University of Georgia	Instructor of Record	Ecology	June 2006 - 2021

NON-ACADEMIC EXPERIENCE

Place of Employment	Title	Dates
N/A		

EMPLOYMENT RECORD AT FIU

Rank	Dates
Assistant Professor	August 2012 - 2018
Associate Professor	August 2018 - Present
Professor	August 2023 - Present

PUBLICATIONS IN DISCIPLINE
*Denotes mentored student

Books
N/A

Articles
109. Nocentini, A., J. Redwine, E.E. Gaiser, T. Hill, S. Hoffman, **J.S. Kominoski**, J. Sah, D. Shinde, D. Surratt. 2024. Rehydration of degraded wetlands: understanding drivers of alternate states and persistent regime shifts in vegetation. *Ecosphere* 15:e4813.

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108. O'Donnell, K., E. Bernhardt, X. Yang; R. Emanuel, M. Ardón, M. Lerdau, A. Manda, A. Braswell, T.K. BenDor, E.C. Edwards, E. Frankenberg, A.M. Helton, **J.S. Kominoski**, A. Lesen, L. Naylor, G. Noe, K. Tully, E. White, J. Wright. 2024. Saltwater intrusion and sea level rise threatens U.S. rural coastal landscapes and communities. *Anthropocene* (in press). https://doi.org/10.1016/j.ancene.2024.100427

107. *Anderson, K.J., **J.S. Kominoski**, J.P. Sah. 2024. Intrinsic and extrinsic drivers of organic matter processing along phosphorus and salinity gradients in coastal wetlands. *Journal of Ecology*, in press. https://doi.org/10.1111/1365-2745.14302

106. *Bumpers, P., A.D. Rosemond, D.W. Manning, **J.S. Kominoski**, J.P. Benstead, L. Demi. 2023. Experimental nutrient enrichment of forest streams reduces ecosystem nitrogen and phosphorus storage. *Limnology and Oceanography* 68:1670-1685. doi: 10.1002/lno.12376

105. Jordan, D., **J.S. Kominoski**, S. Servais, D. Mills. 2023. Salinity Impacts the functional mcrA and dsrA gene abundances in Everglades marshes. *Microorganisms*. https://doi.org/10.3390/microorganisms11051180

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102. Bertuzzo, E., E.R. Hotchkiss, A. Argerich, **J.S. Kominoski**, D. Oviedo-Vargas, P. Savoy, R. Scarlett*, D. von Schiller, J.B. Heffernan. 2023. Respiration regimes in rivers: Partitioning source-specific respiration from metabolism time series. *Limnology and Oceanography* 67:2374-2388. https://doi.org/10.1002/lno.12207

101. Kammann, S., D. Saavedra Hortua, **J.S. Kominoski**, T. Fett, Theresa, L. Gillis. 2023. Understanding how nutrient limitation and plant traits influence blue carbon storage potential in mangrove-seagrass coastal ecosystems. *Limnology and Oceanography* 67:S89-S103. https://doi.org/10.1002/lno.12215

100. *Smith, M.A., **J.S. Kominoski**, R. Price, O. Abdul-Aziz, T.G. Troxler. 2023. Linking seasonal changes in organic matter composition and nutrients to shifting hydraulic gradients in coastal urban canals. *Water Resources Research* 59:e2022WR033334. https://doi.org/10.1029/2022WR033334

99. Zhao, J., S..Chakrabarti, R. Chambers, P. Weisenhorn, R. Travieso, S. Stumpf, E. Standen, H. Briceño, T. Troxler, E.E. Gaiser, **J.S. Kominoski**, B. Dhillon, W. Martens-Habbena. 2023. Year-around survey and manipulation experiments reveal differential sensitivities of soil prokaryotic and fungal communities to saltwater intrusion in Florida Everglades wetlands. *Science of the Total Environment* 858:159865. https://doi.org/10.1016/j.scitotenv.2022.159865

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wetlands. *Ecosystems* 25:265-278. https://doi.org/10.1007/s10021-021-00653-5

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85. Kominoski, J.S., C.A. Weaver, A.R. Armitage, S.C. Pennings. 2022. Coastal carbon processing rates increase with mangrove cover following a hurricane in Texas, USA. *Ecosphere* 13:e4007. https://doi.org/10.1002/ecs2.4007

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Saline Everglades, Florida, U.S.A. *Wetlands* 41:1-12. https://doi.org/10.1007/s13157-021-01440-7

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concentrations and bacterial productivity in coastal ecosystems. *Ecology* 101:e02988. https://doi.org/10.1002/ecy.2988

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Data Publications

27. **Kominoski, J.**, M. Smith. 2023. Monthly fluorescence parallel factor analysis (PARAFAC) components for Shark River Slough, Taylor Slough, and Florida Bay, Everglades National Park (FCE LTER), Florida, USA, April 2011 – ongoing. Environmental Data Initiative. https://doi.org/10.6073/pasta/7645f98091e4b070635b8587f1bceceb
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18. Hoffman, S., C. Rizzie, A. Nocentini, S. Sarker, **J. Kominoski**, E. Gaiser, and L. Scinto. 2021. Biogeochemical data collected from Northeast Shark River Slough, Everglades National Park, Florida, ongoing since 2006 ver 6. Environmental Data Initiative. https://doi.org/10.6073/pasta/8af4f2a4e37b209934c12f11a1d5866b

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3. Sarker S., E. Gaiser, **J. Kominoski,** L. Scinto. 2019. *Biogeochemical data collected from Northeast Shark River Slough (FCE LTER), Everglades National Park from September 2006 to November 2018.* Environmental Data Initiative. https://doi.org/10.6073/pasta/12b89a6c02ef6833415940a327efec99

2. Kominoski J., E. Gaiser. 2019. Mangrove soil phosphorus addition experiment from July 2013 to August 2013 at the mangrove peat soil mesocosms (FCE), Key Largo, Florida – Nutrients in Surface Water and Aboveground Biomass. Environmental Data Initiative. https://doi.org/10.6073/pasta/96f4fc41e721f657219429c64b01f0e4

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Proceedings

Kominoski, J.S., B.J. Mattsson, B. Rashleigh, S.L. Eggert. 2007. Using long-term chemical and biological indicators to assess stream health in the Upper Oconee River watershed. *Proceedings of the 2007 Georgia Water Resources Conference,* Athens, GA, March 27-29, 2007. Georgia Institute of Technology, Atlanta, GA, 1. Vol. 4. 2007.

Chapters in Books

4. Kominoski, J.S., S.K. Chapman, W.K. Dodds, J.J. Follstad Shah, J.S. Richardson. 2021. Causes and consequences of changes in riparian vegetation for plant litter decomposition throughout river networks. In C.M. Swan, L. Boyero, C. Canhoto (Eds). *Litter Decomposition in Freshwater Ecosystems* (pp. 273-296). Springer, Cham.

3. Kominoski, **J.S**., J.S. Rehage, W.T. Anderson, R. Boecek, H. Briceño, M. Bush, T. Dreschel, M. Heithaus, R. Jaffé, L. Larsen, *P. Matich, C. McVoy, *A. Rosenblatt, T. Troxler. 2019. Ecosystem fragmentation and connectivity: legacies and future implications of a restored

Everglades. In Childers, D.L., L. Ogden, E.E. Gaiser, (eds.) *The Coastal Everglades: The Dynamics of Social-Ecological Transformation in the South Florida Landscape*. Oxford University Press, New York.

2. Troxler, T.G., G. Starr, J.N. Boyer, J.D. Fuentes, R. Jaffe, S. Malone, J. Barr, S. Davis, L. Collado-Vides, J. Breithaupt, A. Saha, R. Chambers, C. Madden, J.D. Smoak, J. Fourqurean, G. Koch, **J.S. Kominoski**, L. Scinto, S. Oberbauer, V. Rivera-Monroy, E. Castaneda, N. Schulte*, S.P. Charles*, J. Richards, D. Rudnick, and K. Whelan. 2019. Carbon Cycles in the Florida Coastal Everglades Social-Ecological System Across Scales. In Childers, D.L., L. Ogden, E.E. Gaiser, (eds.) *The Coastal Everglades: The Dynamics of Social-Ecological Transformation in the South Florida Landscape*. Oxford University Press, New York.

1. Trexler, J.C., E.E. Gaiser, **J.S. Kominoski**, *J.L. Sanchez. 2014. The role of periphyton mats in consumer community structure and function in calcareous wetlands: lessons from the Everglades. In Entry, J., K. Jayachandran, A.D. Gottlieb, A. Ogram (eds.) *Microbiology of the Everglades Ecosystem*. Science Publishers, Boca Raton, Florida.

Government Reports or Monographs
N/A

Book Reviews
Kominoski, J.S. 2011. Review: The Challenges of Biodiversity Science. *The Quarterly Review of Biology* 86:133.

Works in Progress

8. Nocentini, A., C. Alarcon, M. Gue, T. Mullins, P.L. Ruiz, M. Tupaj, **J.S. Kominoski**, J.J. O'Brien, M. Ross. Complex burn prioritization models for managing prescribed fires in large, heterogeneous landscapes. *Fire Ecology*, in review.

7. Zeller, M.A., B.R. Van Dam, C. Lopes, A. McKenna, C.L. Osburn, J. Fourqurean, **J.S. Kominoski**, M. Böttcher. The unique biogeochemical role of carbonate-associated organic matter in a subtropical seagrass meadow. *Communications Earth & Environment*, in revision.

6. *Anderson, K.J., **J.S. Kominoski**, C.J. Choi, U. Stingl. Functional effects of subsidies and stressors on benthic microbial communities along freshwater to marine gradients. *Ecology*, in revision.

5. *Anderson, K.J., **J.S. Kominoski**, C.L. Osburn, M.A. Smith. Shifting sources and fates of carbon with increasing hydrologic presses and pulses in coastal wetlands. *Journal of Geophysical Research – Biogeosciences*, in revision.

4. Hale, R., K. Hopkins, K. Capps, **J.S. Kominoski**, J. Morse, A, Roy, S. Chen, A. Quick, A. Blinn*, L. Ortiz Muñoz*, G. Folk*. A macroscale framework for understanding urban watershed heterogeneity. *Frontiers in Ecology and the Environment* (in review).

3. *Smith, M.A., **J.S. Kominoski**, O. Barbosa, E. Cook, S. Elser, N.B. Grimm, J. Morse, J. Sauer*. Dissolved organic matter composition and nutrient stoichiometry mediate nutrient uptake in urban wetlands. *Ecosphere* (in revision).

2. Julian, P., J. Fourqueran, S.E. Davis, D. Surratt, E.E. Gaiser, **J.S. Kominoski**, T.G. Troxler, J. Boyer, S.E. Thomas, H. Briceño, C.J. Madden, E. Montes, C. Keible. Long-term patterns and trends in water column biogeochemistry in a changing environment. *Estuarine, Coastal and Shelf Science* (in revision).

1. Doi, H., **J.S. Kominoski**. I. Katano. Quantifying habitable water temperatures and thermal sensitivities among species functional traits of stream invertebrates. *Freshwater Biology* (in review).

OTHER PUBLICATIONS

Press Releases & Media Coverage

Florida International University News, NSF renews long-term Everglades research program based at FIU. https://news.fiu.edu/2021/nsf-renews-long-term-everglades-research-program-based-at-fiu

Florida International University News, Pollutants cause quick growth, leave less for the future. https://news.fiu.edu/2020/pollutants-cause-quick-growth,-leave-less-for-the-future

Florida International University News, The Everglades remember. https://news.fiu.edu/2020/the-everglades-remember

Florida International University News, A wetter Everglades on the path to restoration. https://news.fiu.edu/2020/a-wetter-everglades-on-the-path-to-restoration

Florida International University News, There's too much nitrogen and phosphorus in U.S. waterways. https://news.fiu.edu/2020/theres-too-much-nitrogen-and-phosphorus-in-u.s.-waterways

National Public Radio, Living on Earth, Everglades National Park, a "River of Grass". https://www.loe.org/shows/segments.html?programID=19-P13-00035&segmentID=2

National Public Radio Academic Minute, Dams drive risk of fish extinction in the U.S. https://academicminute.org/wp-content/uploads/2018/08/08-21-18-Florida-International-Dams-Drive-Risk-Of-Fish-Extinction-In-U.S..mp3?siteplayer=true&dl=1

Florida International University News, Long-term changes chart future of ecosystems https://newsarchives.fiu.edu/2018/07/long-term-changes-chart-future-of-ecosystems

Florida International University News, What happens to streams when the earth gets warmer? https://news.fiu.edu/2018/05/what-happens-to-streams-when-the-earth-gets-warmer/123268

Florida International University News, Dams drive risk of fish extinction in U.S. https://news.fiu.edu/2018/02/dams-drive-risk-of-fish-extinction-in-the-u-s/119215

Florida International University News, Florida sets the standard for water efficiency in the south https://news.fiu.edu/2017/05/florida-sets-the-standard-for-water-efficiency-in-the-south/111944

Florida International University News, What climate change means for leaf litter https://news.fiu.edu/2017/03/what-climate-change-means-for-leaf-litter/110181

Florida International University News, Collaboration helps solve environmental global concerns https://news.fiu.edu/2016/11/collaboration-helps-solve-global-concerns/106206

Florida International University News, Mangroves move inland as seas rise https://news.fiu.edu/2016/01/mangroves-move-inland-as-seas-rise/96034

Florida International University News, FIU receives $5 million NSF grant to launch Center for Aquatic Chemistry and the Environment http://news.fiu.edu/2016/05/fiu-receives-5-million-nsf-grant-to-launch-center-for-aquatic-chemistry-and-the-environment/101084

Florida International University News, Researchers confront weather extremes through infrastructure resiliency http://news.fiu.edu/2015/08/researchers-confront-weather-extremes-through-infrastructure-resiliency/90870

Florida International University News, Researchers confront weather extremes through infrastructure resiliency http://news.fiu.edu/2015/08/researchers-confront-weather-extremes-through-infrastructure-resiliency/90870

National Science Foundation Press Release, Nutrient pollution from nitrogen and phosphorus reduces streams' ability to support aquatic life http://www.nsf.gov/news/news_summ.jsp?cntn_id=134174&WT.mc_id=USNSF_51&WT.mc_ev=click

Florida International University News, Nutrients could reduce streams' ability to support aquatic life, researchers find http://news.fiu.edu/2015/03/nutrients-could-reduce-streams-ability-to-support-aquatic-life-researchers-find/85902

Florida International University News, Researcher to explore sustainability of freshwater resources http://news.fiu.edu/2012/10/researcher-to-explore-sustainability-of-freshwater-resources/46672

University of Georgia Press Release, Ecologists to study freshwater sustainability across the Sun Belt http://sustainability.uga.edu/ecologists-to-study-freshwater-sustainability-across-the-sun-belt/

National Science Foundation Press Release, Water Sustainability and Climate Grants http://www.nsf.gov/news/news_summ.jsp?cntn_id=125434&WT.mc_id=USNSF_51&WT.mc_ev=click

University of Georgia Press Release, Interdisciplinary Field Program http://www.ecology.uga.edu/newsItem.php?GPS_program_tracks_UGA_students_journey_across_U.S.-131/

National Science Foundation Press Release, Macrosystems Biology Grants http://www.nsf.gov/news/news_summ.jsp?cntn_id=121279&org=BIO&from=news

Atlanta Journal-Constitution, Op-Ed on Southeastern US freshwater sustainability. http://www.ajc.com/opinion/entire-southeast-needs-a 784977.html?cxtype=rss_opinion_82093

University of Georgia Press Release, Freshwater sustainability in Southwestern and Southeastern US. http://www.uga.edu/news/artman/publish/101213_freshwater.shtml

National Science Foundation Press Release, LTER All Scientists Meeting, Estes Park, CO, USA. http://www.nsf.gov/news/news_summ.jsp?cntn_id=107987&org=olpa&from=news

PRESENTED PAPERS, AND LECTURES

Invited Seminars

International

Kominoski, J.S. Sustaining ecosystem services requires an understanding of organic carbon throughout river networks. The Institute for Sustainable Sciences and Development, Hiroshima University, Hiroshima, Japan, November 6, 2014.

Kominoski, J.S. Carbon processing in aquatic ecosystems: understanding nutrient limitation from microbial to ecosystem scales. School of Life Sciences, University of Xiamen, Xiamen, Fujian, China, July 18, 2014.

Kominoski, J.S. Decoupling resource and consumer diversity from ecosystem function in stream ecosystems. Université de Toulouse, UPS, INP, EcoLab (Laboratoire d'écologie fonctionnelle), Toulouse, France, April 16, 2010.

Kominoski, J.S. Decoupling resource and consumer diversity from ecosystem function in stream ecosystems. Department of Plant Biology and Ecology, University of the Basque Country, Bilbao, Spain, April 24, 2010.

Kominoski, J.S. Decoupling resource and consumer diversity from ecosystem function in stream ecosystems. Department of Ecology, Faculty of Biology, University of Barcelona, Barcelona, Spain, April 20, 2010.

Kominoski, J.S. Shifting consumer phenology along stream riparian gradients in forest

composition. Department of Forest Sciences, University of British Columbia, Vancouver, BC, Canada, January, 18, 2010.

Kominoski, J.S. Linking resource and consumer diversity to ecosystem function in detritus-based watersheds. Department of Zoology, University of British Columbia, Vancouver, BC, Canada, September 17, 2008

USA

Kominoski, J.S. (2023). Ecosystems and climate change: using context to understand long-term responses to disturbances. Department of Biology, University of Miami Seminar, Miami, FL, September 18, 2023.

Kominoski, J.S. (2023). Quantifying interactive drivers of fire and hydrology on wetland biogeochemistry and plant productivity. Department of Chemical, Environmental, and Mechanical Engineering, University of Miami Seminar, Miami, FL, November 17, 2023.

Kominoski, J.S. (2021). Understanding disturbance legacies and long-term environmental changes in the Florida Coastal Everglades. CUHASI Seminar Series. September 19, 2021.

Kominoski, J.S. (2021). Understanding interactions among discrete and continuous disturbances in coastal ecosystems. Department of Ecology & Environmental Biology, North Carolina State University. Virtual. March 4, 2021

Kominoski, J.S. (2021). Understanding interactions among discrete and continuous disturbances in coastal ecosystems. Department of Biology, University of Puerto Rico – Rio Piedras. Virtual. February 24, 2021.

Kominoski, J. S. (2020). Understanding interactions among discrete and continuous disturbances in coastal ecosystems. Department of Integrative Biology, University of South Florida. Virtual.

Kominoski, J. S. (2020). Understanding interactions among discrete and continuous disturbances in coastal ecosystems. Howard T. Odum Center for Wetlands, University of Florida. Virtual.

Kominoski, J.S. Understanding disturbance through long-term ecological research. Department of Biology and Biochemistry, University of Houston, Houston, Texas, USA. January 15, 2020.

Kominoski, J.S. Shifting long-term biogeochemical baselines with saltwater intrusion: how do enhanced marine connectivity and altered plant communities affect carbon storage in coastal wetland ecosystems? Department of Plant Science & Landscape Architecture, University of Maryland, College Park, MD, USA. September 22, 2016.

Kominoski, J.S. Timing is everything: Understanding short- and long-term variability in light and temperature on inter-biome freshwater ecosystem production. LTER Mini-Symposium, National Science Foundation, Arlington, VA, USA. March 5, 2015.

Kominoski, J.S. Carbon processing in aquatic ecosystems: understanding nutrient limitation from microbial to ecosystem scales. Department of Marine Biology, Texas A&M University Galveston, Galveston, TX, USA, April 17, 2014.

Kominoski, J.S. Carbon processing in aquatic ecosystems: Using seasonal variation, nutrient limitation, and terrestrial-aquatic linkages to forecast shifting functional baselines. Archbold Biological Station, Venus, FL, USA, March 13, 2014.

Kominoski, J.S. The functional implications of accelerated terrestrial carbon loss in freshwater ecosystems. Southeast Environmental Research Center, Florida International University, Miami, FL, USA, December 11, 2013.

Kominoski, J.S. Balancing carbon and nutrient demand of ecosystem metabolism: effects of long-term nutrient enrichment in detritus-based streams. School of Agricultural, Forest, and Environmental Sciences, Clemson University, SC, USA, April 18, 2013.

Kominoski, J.S. Carbon processing in stream ecosystems defined by nutrient enrichment. Department of Biological Sciences, Sam Houston State University, Huntsville, TX, USA, October 17, 2013.

Kominoski, J.S. Ecosystem (im)balance: global change effects on fresh water and carbon in coupled systems. Department of Biological Sciences, Virginia Tech, Blacksburg, VA, USA, December 16, 2011.

Kominoski, J.S. Ecosystem (im)balance: global change effects on fresh water and carbon in coupled systems. Department of Biological Sciences, Florida International University, Miami, FL, USA, December 9, 2011.

Kominoski, J.S. Ecosystems embedded in landscapes: global change and biodiversity loss impacts. Department of Biological Sciences, University of Alabama, Tuscaloosa, AL, USA, March 16, 2011.

Kominoski, J.S. Ecology in urbanizing ecosystems. Department of Biological Sciences, Florida International University, Miami, FL, USA, March 3, 2011.

Kominoski, J.S. Resource and consumer diversity drives ecosystem process rates in detritus-based watersheds. Department of Ecology & Evolutionary Biology, University of California, Santa Cruz, CA, USA, Feb, 9, 2011.

Kominoski, J.S. Forecasting ecological consequences on global shifts in riparian vegetation. Harvard Forest LTER, Petersham, MA, USA, September 17, 2010.

Kominoski, J.S. Longitudinal dynamics in river structure and functioning. Biology Department, College of the Holy Cross, Worcester, MA, USA, September 15, 2010.

Kominoski, J.S. Linking resource and consumer diversity to explain ecosystem functioning. Department of Biological Sciences, Florida International University, Miami, FL, USA, June 3, 2009.

Kominoski, J.S. Linking resource and consumer diversity to explain ecosystem functioning. Environmental Studies Program, The Evergreen State College, Olympia, WA, USA, February 15, 2009.

Kominoski, J.S. Biodiversity and ecosystem functioning in detritus-based ecosystems. School of Life Sciences, Arizona State University, Tempe, AZ, USA, November 10, 2007.

Kominoski, J.S. Biodiversity and ecosystem functioning in detritus-based ecosystems. Department of Biological Sciences, Northern Arizona University, Flagstaff, AZ, USA, November 6, 2007

Presentations at Scientific Meetings
International

Gaiser, E., J.S. Kominoski, T.G. Troxler. Long term increases in phosphorus pulses in an oligotrophic wetland undergoing hydrologic restoration. Freshwater Sciences Meeting, Brisbane Australia, June 3-7, 2023.

Anderson, K.J., J.S. Kominoski. Shifting sources and fates of carbon with increasing hydrologic presses and pulses in coastal wetlands. Freshwater Sciences Meeting, Brisbane Australia, June 3-7, 2023.

Ortiz, L., J.S. Kominoski, K. Capps, S. Chen, K. Hopkins, R. Hale, J. Morse, A. Quick, C. Rizzie, A. Roy. Stormwater infrastructure and seasonal hydrology transform dissolved organic carbon and nutrients in urban coastal waters. Freshwater Sciences Meeting, Brisbane Australia, June 3-7, 2023.

Chen, S., K. Capps, K. Hopkins, R. Hale, J.S. Kominoski, A. Roy, J. Morse, A. Quick, L. Munoz Ortiz, C. Rizzie. Urbanization alters the quantity and quality of dissolved organic matter in subtropical river networks in metropolitan Atlanta, Georgia, USA. Freshwater Sciences Meeting, Brisbane Australia, June 3-7, 2023.

Quick, A., A. Roy, R. Hale, K. Capps, K. Hopkins, J.S. Kominoski, J. Morse, S. Chen, C. Rizzie, L. Munoz Ortiz. Spatial and temporal variation in quantity and bioavailability of dissolved organic carbon within a metropolitan area. Freshwater Sciences Meeting, Brisbane Australia, June 3-7, 2023.

Kominoski, J.S., B.A. Ball, T.W. Bell, G. Gerrish, P. Gutierrez Fonseca, K. Hall, P. Medeiros, J.A. Rudgers. Ecological sensitivities to pulse dynamics and antecedent climate: insights from across US LTER sites. Ecological Society of America Meeting, Montreal, QB, Canada, August 14-19, 2022.

Kominoski, J. S. Long-term ecological research of coastal biogeochemistry reveals disturbance legacies. International Symposium on Coastal Ecosystems and Global Change. Xiamen University, China. Xiamen, China April 16-19, 2021.

Kominoski, J.S., A.R. Armitage, S.P. Charles, A. Kuhn, S.C. Pennings, and C.A. Weaver. Wetland plant composition affects ecosystem connectivity during a catastrophic hurricane. Mangrove, Macrobenthos, and Management Meeting, Singapore, July 1-5, 2019.

Armitage, A.R., J.S. Kominoski, M.J. Osland, J.F. Schalles, S.C. Pennings. Resilience of the marsh-mangrove ecotone in Texas, USA following a series of extreme events. ECSA 57: Changing Estuaries, Coasts, and Shelf Systems Meeting, Perth, Australia, September 3-6, 2018.

Kominoski, J.S., E.E. Gaiser, E. Castañeda-Moya, S.E. Davis, S. Dessu, D.Y. Lee, L. Marazzi, V. Rivera-Monroy, A. Sola. D. Surratt, R. Travieso, T.G. Troxler. Enhanced marine and freshwater connectivity increase spatiotemporal synchrony of phosphorus and aquatic heterotrophy in coastal wetlands. Association for the Sciences of Limnology & Oceanography Aquatic Sciences Meeting, Victoria, Canada. June 10-15, 2018.

Lee, D.Y., J.S. Kominoski, B.J. Wilson, S.M. Servais, S.P. Charles, V. Mazzei, S.E. Davis, T.G. Troxler, E.E. Gaiser, M. Kline, M. Robinson. Saltwater intrusion legacies alter ecosystem carbon cycling in experimental wetlands: insights into freshwater restoration and recovery. Association for the Sciences of Limnology & Oceanography Aquatic Sciences Meeting, Victoria, Canada. June 10-15, 2018.

Smith, M.A., J.S. Kominoski, E.E. Gaiser, T.G. Troxler. Short-term dissolved organic matter dynamics in a tidally influenced urban creek during extreme high tides. Association for the Sciences of Limnology & Oceanography Aquatic Sciences Meeting, Victoria, Canada. June 10-15, 2018.

Martinez, A., J.S. Kominoski, A. Larrañaga. Effects of *Eucalyptus* dissolved organic matter on aquatic biofilm metabolism: implications of water scarcity. Association for the Sciences of Limnology & Oceanography Aquatic Sciences Meeting, Granada, Spain. February 23, 2015.

Kominoski, J.S., L.B. Marczak, X. Pinto, J.S. Richardson. Riparian forest composition determines stream organic matter processing dynamics. American Society of Limnology & Oceanography Aquatic Sciences Meeting, Nice, France. January 9, 2009.

Kominoski, J.S., C.M. Pringle, B.A. Ball. Quantitative assessment of eastern hemlock (*Tsuga canadensis*) litter and woolly adelgid (Adelges tsugae) carcass inputs to a detritus-based stream. 30th Congress of the International Association of Theoretical and Applied Limnology. Montreal, QB, Canada. August 20, 2007.

USA

Kominoski, J.S. Hurricane trends: Is it all doom and gloom? Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Anderson, K., J.S. Kominoski, A. Nocentini, S. Hoffman. Peat and marl dissolved organic matter vary among wetlands with nutrient enrichment and restored hydrology. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Gaiser, E.E., J.S. Kominoski, T.G. Troxler. Long-term dynamics of phosphorus pulses and their legacies in the Florida Coastal Everglades. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Montenegro, K., J.S. Kominoski, K. Whelan, M. Prats. Increasing marine hydrologic connectivity influences physical and biogeochemical processes in coastal mangrove soils. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Nocentini, A., J. Redwine, E.E. Gaiser, T. Hill, S. Hoffman, J.S. Kominoski, J. Sah, D. Shinde, D. Surratt. Rehydration drives landscape-scale shifts in wetland vegetation relative to patch-scale effects of chemistry and fire. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Restrepo, V., E. Castañeda-Moya, J.S. Kominoski, E. Solohin. Quantifying post-hurricane regeneration of mangrove species along phosphorus fertility gradients in the Florida Coastal Everglades. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Richey, A. J.S. Kominoski, S.F. Oberbauer, P. Olivas, S.L. Malone. Hydrologic effects on net ecosystem exchange of CO_2 in the Southeastern Saline Everglades. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida. April 17-20, 2023.

Anderson, K., J.S. Kominoski, M. Smith. Shifting sources and fates of carbon with increasing hydrologic presses and pulses in coastal wetlands. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. February 27-28, 2023.

Montenegro, K., J.S. Kominoski, K.R.T. Whelan, M. Prats. Increasing marine hydrologic connectivity influences physical and biogeochemical processes in coastal mangrove soils. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. February 27-28, 2023.

Restrepo, V.B., E. Castañeda-Moya, J. S. Kominoski. Quantifying post-hurricane regeneration of mangrove species along phosphorus fertility gradients in the Florida Coastal Everglades. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. February 27-28, 2023.

King, J., J.S. Kominoski, J. Pope. Understanding spatiotemporal patterns of flocculent organic matter biogeochemistry and metabolic reactivity in short- and long-hydroperiod Everglades marshes. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. February 27-28, 2023.

Richey, A., J.S. Kominoski, P. Olivas, S. Malone. Water level and surface salinity trends and relationships in the Everglades freshwater-saline ecotone. Florida Coastal Everglades Long

Term Ecological Research Program All Scientists Meeting, Miami, Florida. February 27-28, 2023.

Kominoski, J.S., C.J. Patrick, W. McDowell, B. Stauffer. Coordinating storms and data streams: Hurricane Ecosystem Response Synthesis (HERS-RCN). Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Hale, R., K. Capps, K. Hopkins, J.S. Kominoski, J. Morse, A. Roy, S. Chen, A. Quick, A. Blinn, D. Cross. B.T. Folk, L.D. Ortiz Muñoz, C. Pendergast, C. Rizzie. Scales and drivers of variability in dissolved organic carbon across diverse urban watersheds. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Chen, S., R. Hale, K. Capps, J.S. Kominoski, K. Hopkins, A. Roy, J. Morse, A. Quick, D. Cross, C. Pendergast, C. Rizzie, L.D. Ortiz Muñoz. Spatial and temporal variation in DOM in urban streams of the eastern United States. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Quick, A., A. Roy, R. Hale, K. Capps, K. Hopkins, J.S. Kominoski, J. Morse, S. Chen, C. Rizzie. Seasonal trends in dissolved and particulate organic carbon across urban stream in Boston, USA. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Ortiz Muñoz, L.D., J.S. Kominoski, R. Rizzie, S. Chen, A. Quick. Urban dissolved organic carbon and aquatic metabolism vary with land-use and seasons. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Anderson, K., J.S. Kominoski, A. Nocentini, S. Hoffman, M.A. Smith. Nutrient limitation interacts with carbon sources and hydrology to drive dissolved organic matter in wetlands. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Hoffman, S., J.S. Kominoski, K. Anderson, A. Nocentini, E.E. Gaiser, J. Redwine. Freshwater rehydration increases primary production and mobilizes legacy phosphorus in Everglades marshes. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Smith, M.A., J.S. Kominoski, K. Anderson. Investigating long-term spatiotemporal variation in dissolved organic matter composition in subtropical coastal wetlands. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Montenegro, K., J.S. Kominoski, K.R. Whelan, M. Pratts. Quantifying how increased marine hydrologic inputs affect coastal mangrove soil accretion and elevation. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan, May 14-20, 2022.

Hoffman, S., J.S. Kominoski, K. Anderson, A. Nocentini, E.E. Gaiser, J. Redwine. Freshwater rehydration increases primary production and mobilizes legacy phosphorus in Everglades marshes. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. March 2-3, 2022.

Anderson, K., J.S. Kominoski, A. Nocentini, S. Hoffman. Nutrient limitation interacts with carbon sources and hydrology to drive dissolved organic matter in wetlands. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. March 2-3, 2022.

Montenegro, K., J.S. Kominoski, K. Whelan, M. Prats. Quantifying how increased marine hydrologic inputs affect coastal mangrove soil accretion and elevation. Florida Coastal Everglades Long Term Ecological Research Program All Scientists Meeting, Miami, Florida. March 2-3, 2022.

Quick, A., A.H. Roy, R. Hale, K.J. Capps, K. Hopkins, J.S. Kominoski, J. Morse. Variability in dissolved organic carbon across urban streams in Boston, Massachusetts. Northeast Aquatic Biologists Conference, Portland, Maine. March 2-4, 2022.

Armitage, A.R., J.E. Thompson, C.A. Weaver, J.S. Kominoski, S.C. Pennings. The role of interacting disturbances on the expansion and contraction of subtropical mangroves. Association for the

Sciences of Limnology and Oceanography, Ocean Sciences Meeting. Virtual. February 24 – March 4, 2022.

Mannetti, L.M., E. Cook, E.E. Gaiser, M. Garriga, K. Grove, D.M. Iwaniec, J. Kominoski, T. McPhearson, T. Munoz-Erickson, A. Mustafa, T. Troxler, and M.A. Smith. 2021. Transformative approaches to envisioning and modeling sustainable, equitable, and resilient coastal cities. Coastal Estuarine and Research Federation Virtual Meeting, Virtual, November 1, 2021 - November 11, 2021.

Armitage, A.R., J.E. Thompson, J.S. Kominoski, S.C. Pennings. The ebb and flow of mangrove encroachment: recovery dynamics following a major cold damage event. Coastal and Estuarine Research Federation Annual Meeting. Virtual. November 1-4, 8-11, 2021.

Oehm, N.J., J.S. Kominoski, T. Phelan-Reyes, T. Casal, P. Thompson, C. Basterrechea. Engaging K-12 classrooms and community partners to test the effects of saltwater intrusion on organic matter processing in coastal wetlands. INTECOL International Wetlands Conference, Christchurch, New Zealand & Virtual. October 10-15, 2021.

Kominoski, J.S., C.A. Weaver, A.R. Armitage, S.C. Pennings. Coastal carbon processing rates increase with mangrove cover following a hurricane in Texas, USA. Ecological Society of America Virtual Meeting, August 2-6, 2021.

Nocentini, A., J.S. Kominoski, J.J. O'Brien, J. Redwine. Fire causes a stronger release of nutrient limitation in higher than lower phosphorus-limited subtropical wetlands. Ecological Society of America Virtual Meeting, August 2-6, 2021.

Smith, M.A., J.S. Kominoski, E.E. Gaiser, N.B. Grimm, L.E. McPhillips, B.R. Rosenzweig, A. Ruhí, T.G. Troxler. Synchronizing hydrology in urban watersheds: flow-shunt flood-pulse concept. Association of the Sciences of Limnology and Oceanography Virtual Meeting, June 2021.

Anderson, K., J.S. Kominoski, S. Hoffman, A. Nocentini, M. Zeller. How does phosphorus limitation differentially affect dissolved organic carbon composition in peat and marl freshwater marshes? Association of the Sciences of Limnology and Oceanography Virtual Meeting, June 2021.

Kominoski, J.S., S.C. Neubauer, R. Bremen, A. Camacho, A. Camacho-Santamans, S.P. Charles, J.A. Cherry, E.E. Gaiser, K. Gedan, A.M. Helton, E.R. Herbert, K.S. Ishtiaq, M.L. Kirwan, K.W. Krauss, L. Lamb-Wotton*, D. Morant*, G.B. Noe, M.J. Osland, T.G. Troxler, K.L. Tully, B.J. Wilson. Net ecosystem productivity maximized at intermediate salinity increases in diverse coastal wetlands. Association of the Sciences of Limnology and Oceanography Virtual Meeting, June 2021.

Follstad Shah, J.J., M. Ardón, M. Gessner, A. Lecerf, J.S. Kominoski. Invariant temperature sensitivity of leaf litter breakdown amongst taxonomic groups and streams with different trophic status. Society for Freshwater Science Virtual Meeting, May 2021.

Castañeda, E., Rivera-Monroy, V. H., Chambers, R. M., Zhao, X., Lamb-Wotton, L., Gorsky, A., Gaiser, E. E., Troxler, T. G., Kominoski, J. S., Hiatt, M. Hurricane-induced P deposition effects on plant-soil feedbacks in karstic-dominated mangroves of the Florida Coastal Everglades. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida, April 19-22, 26-29, 2021.

Redwine, J., Saunders, C., Zweig, C., Atkinson, A., Nocentini, A., Rudnick, D. T., … Sah, J. P. Bridging towards restoration: how expanding adaptive management processes will influence the next decade of ecological conditions in Northeast Shark River Slough. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida, April 19-22, 26-29, 2021.

Malone, S. L., Zhao, J., Kominoski, J. S., Starr, G., Staudhammer, C. L., Olivas, P. C., Oberbauer, S. F. Integrating aquatic metabolism and net ecosystem CO_2 balance in calcareous short- and

long-hydroperiod subtropical freshwater wetlands. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida, April 19-22, 26-29, 2021.

Nocentini, A., Kominoski, J. S., Sah, J. P., & Redwine, J. Coupling fire and water management to control wetland nutrient cycling during Everglades restoration. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida, April 19-22, 26-29, 2021.

Kominoski, J. S. Bridging towards restoration: quantifying how increases in freshwater hydroperiod are changing the ecology of Northeast Shark River Slough, Everglades National Park. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, Florida, April 19-22, 26-29, 2021.

Nocentini, A., Kominoski, J. S., Sah, J. P., & Ross, M. Comparing biogeochemical legacies of fire in shorter- and longer-hydroperiod wetlands with different soil types. Ecological Society of America Annual Meeting, August 3-6, 2020.

Kominoski, J. S. Differences in organic matter processing rates in marsh-mangrove wetlands are homogenized following a major hurricane. Ecological Society of America Annual Meeting, August 3-6, 2020.

Armitage, A. R., Weaver, C. A., Kominoski, J. S., & Pennings, S. C. Are scrub mangroves resistant or vulnerable to hurricane disturbance at the range edge? Ecological Society of America Annual Meeting, August 3-6, 2020.

Smith, M. A., Kominoski, J. S., Price, R., Gaiser, E. E., & Troxler, T. G. Evaluating spatiotemporal variation in water source contributions to coastal urban canal networks using an endmember mixing model. Ecological Society of America Annual Meeting, August 3-6, 2020.

Kominoski, J. S. Understanding how restoration, fire, and climate change influence the ecology of water pulses in the Florida Coastal Everglades. South Florida Natural Resources Center, National Park Service. Homestead, Florida, June 25, 2020.

Tomczyk, N., Rosemond, A. D., Hotchkiss, E. R., Kominoski, J. S., Thomas, S. A., Helton, A. M., … Benstead, J. P. Stoichiometry of net nutrient uptake in five forested headwater streams along a steep experimental N and P gradient. Society for Freshwater Science Annual Meeting, June 9-12, 2020.

Smoak, J.M., J. Breithaupt, R.P. Moyer, K. Radabaugh, T.S.S. Bianchi, D. Vaughn, B.E. Rosenheim, C. Schafer, L.G. Chambers, S. Harttung, J.S. Kominoski. Sea-level rise and storms alter soil carbon dynamics of southwest Florida mangrove forests. American Geophysical Union Annual Meeting, San Francisco, California, USA, December 9-13, 2019.

Smith, M.A., J.S. Kominoski. The Urban Flood Pulse Concept: defining spatiotemporal periodicity and synchrony of flood pulse dynamics in urban ecosystems. American Geophysical Union Annual Meeting, San Francisco, California, USA, December 9-13, 2019.

Armitage, A., C. Weaver, J.S. Kominoski, S. Pennings. Acute and persistent storm impacts influence post-hurricane recovery trajectories in a salt marsh-mangrove ecotone. Coastal and Estuarine Research Federation Biennial Conference, Mobile, Alabama, USA, November 3-7, 2019.

Castañeda-Moya, E., V. Rivera-Monroy, R. Chambers, X. Zhao, L. Lamb-Wotton, A. Gorsky, E. Gaiser, T. Troxler, J.S. Kominoski, M. Hiatt. Hurricanes fertilize coastal wetlands in the Gulf of Mexico: The case of Florida Everglades mangroves. Coastal and Estuarine Research Federation Biennial Conference, Mobile, Alabama, USA, November 3-7, 2019.

Rudnick, D., J. Redwine, L. Pearlstine, T. Hill, T. Troxler, J.S. Kominoski, J. Richards, B. Wilson, S. Charles, F. Sklar, C. Coronado-Molina, S. Davis. Everglades restoration reassessed: addressing coastal wetland vulnerabilities to sea-level rise. Coastal and Estuarine Research Federation Biennial Conference, Mobile, Alabama, USA, November 3-7, 2019.

Patrick, C., J.S. Kominoski, W. McDowell. Synthesizing and Understanding Ecosystem Responses to Tropical Cyclones. Coastal and Estuarine Research Federation Biennial Conference, Mobile, Alabama, USA, November 3-7, 2019.

Zeller, M., B. Van Dam, C. Lopes, J.S. Kominoski. A diel study of fluorescent DOM in Florida Bay

seagrasses overlaying carbonate sediments. Coastal and Estuarine Research Federation Biennial Conference, Mobile, Alabama, USA, November 3-7, 2019.

Troxler, T., B. Wilson, F. Sklar, S. Charles, J.S. Kominoski, E. Gaiser, C. Coronado-Molina, S. Kelly, S. Davis, K. Ishtiaq, J.Richards, D. Gann. Responses of marsh ecosystems to coastal change in the Southeastern Florida Everglades. Coastal and Estuarine Research Federation Biennial Conference, Mobile, Alabama, USA, November 3-7, 2019.

Rosemond, A.D., P.M. Bumpers, S.J. Wenger, J.S. Kominoski, D.W.P. Manning, V. Gulis, J.P.Benstead. Beyond blooms: the critical role of terrestrial carbon in uptake and retention of stream nutrients. Ecological Society of America Meeting, Louisville, Kentucky, USA, August 11-16, 2019.

Kominoski, J.S., E.E. Gaiser, M. Ardón, E. Bernhardt, L.G. Chambers, S.P. Charles, J.A. Cherry, C.B. Craft, S.E. Davis, K. Gedan, A.M. Helton, M.L. Kirwan, K.W. Krauss, J.P. Megonigal, S.C. Neubauer, M.J. Osland, S.C. Pennings, S. Servais, T.G. Troxler, K. Tully, and B.J. Wilson. Comparing effects of saltwater intrusion on carbon loss among coastal wetland ecosystems: From monitoring to mechanisms. Ecological Society of America Meeting, Louisville, Kentucky, USA, August 11-16, 2019.

Gaiser, E.E., E. Castañeda-Moya, J.S. Kominoski, J.S. Rehage, T.G. Troxler, and K. Zhang. Hurricanes interact with disturbance legacies to effect ecosystem resilience. Ecological Society of America Meeting, Louisville, Kentucky, USA, August 11-16, 2019.

Smith, M.A., J.S. Kominoski, E.E. Gaiser, T.G. Troxler, O. Barbosa, and N.B. Grimm. A comparison of nutrient uptake dynamics in urban wetlands across different regional climates. Ecological Society of America Meeting, Louisville, Kentucky, USA, August 11-16, 2019.

Sarker, S.K.., J.S. Kominoski, E.E. Gaiser, L.J. Scinto, D.T. Rudnick. Quantifying changes in freshwater availability and chemistry during early stages of Everglades restoration. Ecological Society of America Meeting, Louisville, Kentucky, USA, August 11-16, 2019.

Patrick, C., L. Yeager, A. Armitage, F. Carvallo, V. Congdon, K. Dunton, M. Fisher, A. Hardison, J. Hogan, J. Hosen, X. Hu, B. Reese, S. Kinard, J. Kominoski, X. Lin, Z. Liu, P. Montagna, S. Pennings, L. Walker, C. Weaver, M. Wetz. Driving wind and torrential rain: Impacts of Hurricane Harvey on coastal ecosystems. Association of the Sciences of Limnology and Oceanography Meeting, San Juan, Puerto Rico, February 23 – March 2, 2019.

Kominoski, J.S., A.R. Armitage, S.P. Charles, A. Kuhn, S.C. Pennings, and C.A. Weaver. Plant composition affects ecosystem connectivity during a catastrophic hurricane. Association of the Sciences of Limnology and Oceanography Meeting, San Juan, Puerto Rico, February 23 – March 2, 2019.

Barreto Velez, T., J. Smoak, A. Chappel, M. Ross, J. Meeder, J. Kominoski, J. Fourqurean, T. Crowl, D. Ogurcak. Does climate drive changes in nutrient concentrations of mangrove sediments? A comparison between basin and fringe forests in La Parguera, Puerto Rico. Association of the Sciences of Limnology and Oceanography Meeting, San Juan, Puerto Rico, February 23 – March 2, 2019.

Rivera Cruz, J., T. Barreto Velez, M. Santos-Crespo, D. Ogurcak, T. Crowl, J. Fourqurean, M. Ross, J. Meeder, S. Charles, J. Kominoski, J. Smoak, A. Chappel, M. Yu, A. Lugo. Variation in sediment nutrient concentrations in an urban-mangrove ecosystem, Piñones, Puerto Rico. Association of the Sciences of Limnology and Oceanography Meeting, San Juan, Puerto Rico, February 23 – March 2, 2019.

Santos-Crespo, M., T. Barreto-Velez, J. Rivera-Cruz, D. Ogurcak, T. Crowl, J. Smoak, A. Chappel, J. Fourqurean, M. Ross, J. Kominoski, J. Meeder. Variation in the nutrient content of sediments down core in the basin and fringe mangrove forests of Jobos Bay, Puerto Rico. Association of the Sciences of Limnology and Oceanography Meeting, San Juan, Puerto Rico,

February 23 – March 2, 2019.

Dessu, S.B., R. Price, A. Wymore, J.S. Kominoski, S.E. Davis, W.H. McDowell, E.E. Gaiser. Development and application of Percentile-Range Indexed Mapping and Evaluation (PRIME) tool for long term ecological assessment. American Geophysical Union Meeting, Washington, DC USA, December 10-14, 2018.

Wollheim, W. W.B. Bowden, T. Harms, L. Koenig, J.S. Kominoski, A.D. Rosemond, W.K. Dodds. Metabolic scaling of river networks. American Geophysical Union Meeting, Washington, DC USA, December 10-14, 2018.

Charles, S.P., J.S. Kominoski, J.F. Meeder, J.P. Sah, L.J. Scinto, J.M. Smoak, M.S. Ross. Will mangrove encroachment mitigate carbon loss with saltwater intrusion in subtropical coastal wetlands? American Geophysical Union Meeting, Washington, DC USA, December 10-14, 2018.

Wilson, B.J., S.M. Servais, S.P. Charles, V. Mazzei, C. Coronado-Molina, S.E. Davis, E.E. Gaiser, J.S. Kominoski, J.H. Richards, D.T. Rudnick, F.H. Sklar, T.G. Troxler. Drivers and mechanisms of peat collapse in coastal wetlands. American Geophysical Union Meeting, Washington, DC USA, December 10-14, 2018.

Wilson, B.J., S.M. Servais, S.P. Charles, V. Mazzei, C. Coronado-Molina, S.E. Davis, E.E. Gaiser, J.S. Kominoski, J.H. Richards, D.T. Rudnick, F.H. Sklar, T.G. Troxler. Drivers and mechanisms of peat collapse in coastal wetlands. National Conference on Ecosystem Restoration, New Orleans, LA, USA, August 26-30, 2018.

Weaver, C.A., A.R. Armitage, J.S. Kominoski, S.C. Pennings. Shoreline erosion and plant damage within the mangrove-marsh ecotone following Hurricane Harvey. Hurricane Harvey Research Symposium, Port Aransas, TX, USA. August 23, 2018.

Patrick, C.J., L. Yeager, A.R. Armitage, F. Carvallo, V. Congdon, K. Dunton, M. Fisher, A. Hardison, J. Hogan, J. Hosen, X. Hu, B. Kiel Reese, S. Kinard, J.S. Kominoski, X. Lin, Z. Liu, P.A. Montagna, S.C. Pennings, L. Walker, C.A. Weaver, M. Wetz. A tale of two storms: Wind and rain impacts of Hurricane Harvey. Hurricane Harvey Research Symposium, Port Aransas, TX, USA. August 23, 2018.

Kominoski, J.S., A.R. Armitage, S.P. Charles, A. Kuhn, S.C. Pennings, and C.A. Weaver. Plant species identity affects ecosystem connectivity (retention and erosion) in coastal wetlands during a major hurricane. Ecological Society of America Meeting, New Orleans, LA, USA, August 5-10, 2018.

Wilson, B.J., S.M. Servais, S.P. Charles, V. Mazzei, C. Coronado-Molina, S.E. Davis, E.E. Gaiser, J.S. Kominoski, J.H. Richards, D.T. Rudnick, F.H. Sklar, T.G. Troxler. Drivers and mechanisms of peat collapse in coastal wetlands. Ecological Society of America Meeting, New Orleans, LA, USA, August 5-10, 2018.

Gaiser, E.E. T.A. Crowl, R. Teutonico, J.S. Kominoski, B. Schonhoff, D. Ogurcak, N. Oehm. Experiential learning in subtropical ecology at the urban-wildland interface. Ecological Society of America Meeting, New Orleans, LA, USA, August 5-10, 2018.

*Fernandez, M., J.S. Kominoski, B.B. Rothermel. Testing the relative above- and below-ground responses to fire-induced phosphorus release in intermittent wetlands. Ecological Society of America Meeting, New Orleans, LA, USA, August 5-10, 2018.

Rosemond, A.D., P.M. Bumpers, D.W.P. Manning, J.S. Kominoski, J.P. Benstead, V. Gulis, J.C. Maerz. Loaded but leaky: Chronic nutrient enrichment results in reduced and seasonally variable nutrient storage in detritus-based streams. Ecological Society of America Meeting, New Orleans, LA, USA, August 5-10, 2018.

Armitage, A.R., C.A. Weaver, J.S. Kominoski, S.C. Pennings. Shoreline erosion and plant damage within the mangrove-marsh ecotone following Hurricane Harvey. Ecological Society of

America Meeting, New Orleans, LA, USA, August 5-10, 2018.

Marazzi, L. M. Finlayson, P. Gell, P. Julian, J.S. Kominoski, E.E. Gaiser. Successful wetland restoration must balance benefits to human societies and ecosystems. Society of Wetland Scientists Meeting, Denver, CO, USA, May 29-June 1 2018.

Chambers, L.G., N. Hurst, E. Duga, J. Smoak, J.S. Kominoski. Assessing the biogeochemical impact of storm layer sediments in mangroves affected by Hurricane Irma. Society of Wetland Scientists Meeting, Denver, CO, USA, May 29-June 1 2018.

Meeder, J., R. Parkinson, M. Ross, J.S. Kominoski, S. Castañeda. Increasing carbon storage in response to historical sea-level rise, Biscayne Bay coastal wetlands, southeast Florida. Society of Wetland Scientists Meeting, Denver, CO, USA, May 29-June 1 2018.

Armitage, A.R., C.A. Weaver, J.S. Kominoski, S.C. Pennings. Shoreline erosion and plant damage within the mangrove-marsh ecotone following Hurricane Harvey. Benthic Ecology Meeting Society, Corpus Christi, TX, USA, March 27-30, 2018.

Read, D., M.A. Smith, J.S. Kominoski. Understanding water source contribution to urban stormwater. American Chemical Society National Meeting & Exposition, New Orleans, LA, USA, March 18-22, 2018.

Rivera Cruz, J.L., T.A. Crowl, J. Fourqurean, M.S. Ross, J.F. Meeder, J.S. Kominoski, J.M. Smoak, A. Lugo, M. Yu. Variation in sediment nutrient concentrations in an urban-mangrove ecosystem, Piñones, Puerto Rico. American Chemical Society National Meeting & Exposition, New Orleans, LA, USA, March 18-22, 2018.

Rivera-Monroy, V.H. Danielson, T.M., E. Castañeda-Moya, M.L Kelsall, E.E. Gaiser, R.Travieso, X. Zhao, J.S. Kominoski. Effect of phosphorus availability and hurricane disturbance interactions on the elemental stoichiometry of mangrove litterfall. Coastal and Estuarine Research Federation Biennial Meeting, Providence, RI, USA, November 6-9, 2017.

Charles, S.P., J.S. Kominoski, S.M. Servais, M. Ross, B.J. Wilson, T.G. Troxler, D. Rudnick, F. Sklar, S.E. Davis. Sea level rise drives changes in carbon storage in coastal wetlands of the Florida Everglades. Coastal and Estuarine Research Federation Biennial Meeting, Providence, RI, USA, November 6-9, 2017.

Troxler, T.G., T. McPhearson, M.A. Smith, T. Muñoz-Erickson, M. Feagan, B. Rosenzweig, T. Spiegelhalter, C. Salazar, M. Nepomechie, E.E. Gaiser, J.S. Kominoski, R. Roy Chowdhury, K. Grove. Socio-ecological-technological system approaches for coastal urban resilience to extreme flooding. Coastal and Estuarine Research Federation Biennial Meeting, Providence, RI, USA, November 6-9, 2017.

Kominoski, J.S., E. Gaiser, and S.G. Baer. Revisiting Odum (1969): A heuristic model of how long-term ecological research advances theory of dynamic and developing systems. Ecological Society of America Meeting, Portland, OR, USA, August 6-11, 2017.

Kominoski, J.S., E. Gaiser, K. Grove, M. Healy*, R.R. Chowdhury, M. Smith*, and T.G. Troxler. Raising with the rise: Socioecological responses to sea-level rise in South Florida. Ecological Society of America Meeting, Portland, OR, USA, August 6-11, 2017.

Farrell, K.J., A.D. Rosemond, F. Ballantyne IV, J. Kominoski, S.M. Bonjour, J. Rüegg, Lauren E. Koenig, C.L. Baker*, M.T. Trentman*, Tamara K. Harms and K.R. Sheehan. Variation in resource stoichiometry signals differential carbon to nutrient limitation for stream consumers across biomes. Ecological Society of America Meeting, Portland, OR, USA, August 6-11, 2017.

Wilson, B.J.*, S. Servais*, S.P. Charles*, J.S. Kominoski and T.G. Troxler. Biogeochemical effects of a freshwater marsh experiencing simultaneous saltwater intrusion and nutrient enrichment: A stress-subsidy experiment. Ecological Society of America Meeting, Portland, OR, USA, August 6-11, 2017.

Sokol, E.R., N.I. Wisnoski, Christopher M. Swan, R. Andrade, H.L. Bateman, A.G. Hope, J.S. Kominoski, N.K. Lany, L. Marazzi, S.J. Presley, A. Rassweiler, S. Record, M.R. Willig, P.L. Zarnetske. The role of long-term ecological research programs for testing metacommunity theory and understanding biodiversity patterns. Ecological Society of America Meeting, Portland, OR, USA, August 6-11, 2017.

Meeder, J., J.S. Kominoski, M. Ross, and R. Parkinson. Marine transgression is changing coastal sediment organic carbon storage: a quantitative assessment from the Southeast Saline Everglades, Florida. Society of Wetland Scientists Meeting, San Juan, PR, June 5-8, 2017.

Ogurcak, D., T. Crowl, M. Ross, J. Meeder, J. Smoak, J.S. Kominoski, and J. Fourqurean. Understanding variation in mangrove structure and function with imminent sea-level rise: A Caribbean coastal network model. Society of Wetland Scientists Meeting, San Juan, PR, June 5-8, 2017.

Armitage, A., R. Bergren*, K. Bowers*, S. Charles*, S. Dastidar*, H. Guo, Z. Hughes, C. Weaver, A. Whitt*, J.S. Kominoski, and S. Pennings. The ecological consequences of mangrove expansion into salt marshes: A synthesis of field studies across the Texas Coast. Society of Wetland Scientists Meeting, San Juan, PR, June 5-8, 2017.

Wilson, B., S. Servais, S. Charles*, S. Davis, E. Gaiser, J.S. Kominoski, S. Kelly, D. Rudnick, F. Sklar, and T. Troxler. Testing mechanisms of plant-soil carbon loss in coastal ecosystems: insights from simulated saltwater intrusion in wetland mesocosms. Society of Wetland Scientists Meeting, San Juan, PR, June 5-8, 2017.

Charles, S., J.S. Kominoski, B. Wilson, S. Servais*, E. Gaiser, S. Davis, F. Sklar, D. Rudnick, T. Troxler, M. Ross, S. Kelly, V. Mazzei*. Shifting abiotic conditions and mangrove encroachment alter soil carbon storage in field and manipulative studies in the Florida Everglades. Society of Wetland Scientists Meeting, San Juan, PR, June 5-8, 2017.

Rosemond, A., J. Benstead, J. Maerz, V. Gulis, P. Bumpers*, D. Manning*, J.S. Kominoski, L. Demi*. Nitrogen and phosphorus have differential effects at the top and bottom of stream food webs. Society for Freshwater Science Meeting, Raleigh, NC, June 4-8, 2017.

Song, C., W.K. Dodds, J. Rüegg, A. Argerich, C.L. Baker, W.B. Bowden, M. Douglas, K.J. Farrell*, M.B. Flinn, E.A. Garcia, K.B. Gido, T.K. Harms, A.M. Helton, S. Jia, J.B. Jones, L.E. Koenig*, J.S. Kominoski, W.H. McDowell, D. McMaster, S.P. Parker, A.D. Rosemond, K.R. Sheehan, M.T. Trentman*, M.R. Whiles, W.M. Wollheim, and F. Ballantyne. Interaction between physiology and environmental heterogeneity determines discrepancy in stream metabolism across scales. Society for Freshwater Science Meeting, Raleigh, NC, June 4-8, 2017.

Bumpers, P., A. Rosemond, J. Benstead, L. Demi, J.S. Kominoski, V. Gulis, J. Maerz, and D. Manning*. A little bit of algae goes a long way: Nutrient enrichment stimulates algal growth in heavily shaded streams. Society for Freshwater Science Meeting, Raleigh, NC, June 4-8, 2017.

Kominoski, J.S. S.E. Davis, E.E. Gaiser, L. Marazzi, E. Casteñada-Moya, V.H. Rivera-Monroy, *A. Sola, D. Surratt, T.G. Troxler. Shifting long-term biogeochemical baselines: enhanced marine connectivity increases nutrient availability in coastal wetland ecosystems. Association for the Science of Limnology and Oceanography Meeting, Honolulu, HI, USA. February 26-March 3, 2017.

Charles, S.P., J.S. Kominoski, A.R. Armitage, H. Guo, S. Dastidar, Z. Hughes, C.A. Weaver*, A. Whitt*, and S.C. Pennings. Quantifying effects of foundation species identity and density on organic carbon storage along an experimental marsh-mangrove gradient. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Troxler, T.G., E.E. Gaiser, S.P. Charles*, C. Coronado, S.E. Davis, J. Fuentes, S. Kelly, J.S.

Kominoski, C.J. Madden, V. Mazzei*, F.H. Sklar, S.M. Servais*, J. Stachelek, and B.J. Wilson*. Carbon cycle science in the Florida Coastal Everglades: Research to inform carbon and water management. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Wilson, B.J., S.M. Servais*, S.P. Charles*, T.G. Troxler, J.S. Kominoski, E.E. Gaiser, and F.H. Sklar. Simulated saltwater intrusion decreases net ecosystem exchange in coastal marshes, dampening their capacity to store carbon. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Servais, S.M., B.J. Wilson, V. Mazzei*, E.E. Gaiser, J.S. Kominoski, T.G. Troxler and S.P. Charles*. Testing subsidy-stress effects of saltwater intrusion on microbial processing of carbon and nutrients in freshwater wetland soils. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Mazzei, V., E.E. Gaiser, J.S. Kominoski, B.J. Wilson, S.M. Servais*, and T.G. Troxler. Experimental saltwater intrusion decreases periphyton production in a subtropical freshwater wetland. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Sklar, F.H., C. Coronado, T.G. Troxler, J. Stachelek, S. Kelly, B.J. Wilson*, and J.S. Kominoski. Coastal subsidence as a function of salinity intrusion and peat decomposition in a karst environment. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Farrell, K.J., A.D. Rosemond, F. Ballantyne, C. Song, and J.S. Kominoski. Go big or go home: Can we predict whole-stream ecosystem functions from small-scale measurements? Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Kominoski, J.S., J. Pachón*, J. Brock, and C.W. McVoy. Spatiotemporal variation in aquatic ecosystem heterotrophy in freshwater subtropical wetlands is driven by water and organic matter availability. Ecological Society of America Meeting, Fort Lauderdale, FL, USA. August 6-11, 2016.

Kominoski, J.S., S.P. Charles*, N. Damaso*, P. Kushwaha*, D. Mills, S.M. Servais*, B.J. Wilson*, S.C. Pennings, H. Guo, S. Dastidar*, Z. Hughes, A.R. Armitage, C.A. Weaver*, A. Whitt*. Biotic and abiotic drivers of carbon storage during mangrove establishment in salt and freshwater marsh ecosystems: a mechanistic framework. Mangrove & Macrobenthos Meeting, St. Augustine, FL, USA. July 18-22, 2016.

Armitage, A.R., H. Guo, S. Dastidar*, Z. Hughes, A.R. Armitage, C.A. Weaver*, A. Whitt*, S.P. Charles*, J.S. Kominoski, and S.C. Pennings. Vegetation regime shift in coastal wetlands affects trapping of wrack subsidies from subtidal habitats. Mangrove & Macrobenthos Meeting, St. Augustine, FL, USA. July 18-22, 2016.

Charles, S.P., J.S. Kominoski, A.R. Armitage, H. Guo, S. Dastidar, Z. Hughes, C.A. Weaver*, A. Whitt*, and S.C. Pennings. Quantifying effects of foundation species identity and density on organic carbon storage along an experimental marsh-mangrove gradient. Mangrove & Macrobenthos Meeting, St. Augustine, FL, USA. July 18-22, 2016.

Pennings, S.C., H. Guo, S. Dastidar*, Z. Hughes, A.R. Armitage, C.A. Weaver*, A. Whitt*, S.P. Charles*, and J.S. Kominoski. Vegetation regime shift in coastal wetlands affects trapping of wrack subsidies from subtidal habitats. Mangrove & Macrobenthos Meeting, St. Augustine, FL, USA. July 18-22, 2016.

*Morales, K., J.S. Kominoski, and S.M. Servais. Quantifying changes in soil microbial carbon use in coastal wetlands exposed to gradients in salinity and phosphorus: Implications for sea level rise. Society of Wetland Scientists Meeting, Corpus

Christi, TX, USA. May 31-June 4, 2016.

*Deng, Q., A. Ruhí, J.S. Kominoski, M.M. Hagler, J.L. Sabo. Abiotic influences on fish community dynamics in a Southeastern U.S. river. Society for Freshwater Science Meeting, Sacramento, CA, USA. May 21-26, 2016.

Dodds, W.K., W. Wollheim, J.S. Kominoski, et al. Implications of spatial heterogeneity for scaling lotic metabolism. Society for Freshwater Science Meeting, Sacramento, CA, USA. May 21-26, 2016.

*Farrell, K.J., A.D. Rosemond, F. Ballantyne, C. Song, J.S. Kominoski. Scaling metabolism and nutrient uptake in a headwater stream network: What drives ecosystem processes at multiple measurement scales? Society for Freshwater Science Meeting, Sacramento, CA, USA. May 21-26, 2016.

Kominoski, J.S., A. Ruhí, M.M. Hagler, J.L. Sabo, T. Sinha, S. Arumugam, J.D. Olden. Flow anomalies in Southeastern and Southwestern U.S. rivers: Quantifying local extirpation probabilities of freshwater fauna. Society for Freshwater Science Meeting, Sacramento, CA, USA. May 21-26, 2016.

Rosemond, A.D., D.W.P. Manning, P.M. Bumpers, J.S. Kominoski, V. Gulis, J.P. Benstead, J.C. Maerz. Nutrient enrichment flips nitrogen: phosphorus ratios of diverse detrital resources. Society for Freshwater Science Meeting, Sacramento, CA, USA. May 21-26, 2016.

Wollheim, W., W.K. Dodds, J.S. Kominoski et al. Scaling laws for aquatic metabolism versus watershed size. Society for Freshwater Science Meeting, Sacramento, CA, USA. May 21-26, 2016.

Kominoski, J.S., A.D. Rosemond, J.P. Benstead, V. Gulis, J.C. Maerz, and D.W. Manning. Nutrient enrichment stimulates whole-stream ecosystem respiration despite a reduced carbon base. Association for the Sciences of Limnology and Oceanography Meeting, Santa Fe, NM, USA. June 5-10, 2016.

Coronado-Molina, C., S.M. Servais, J.S. Kominoski. Saltwater intrusion effects on sawgrass root breakdown: effects on soil microbial enzyme activities in freshwater and brackish wetlands. Coastal and Estuarine Research Federation Meeting, Portland, OR, USA. November 8-12, 2015.

*Song, C., F. Ballantyne, *C. Baker, W. Bowden, W.K. Dodds, *K. Farrell, M. Flinn, K. Gido, T. Harms, J. Jones, *L. Koenig, J.S. Kominoski, W.H. McDowell, *S. Parker, A.D. Rosemond, *M. Trentman, W.H. Wolheim. Temperature sensitivity of stream gross primary production and respiration from the tropics to the arctic. American Geophysical Union Annual Meeting, San Francisco, CA, USA. December 14-18, 2015.

Dodds, W.K., F. Ballantyne, *C. Baker, W. Bowden, *K. Farrell, M. Flinn, K. Gido, T. Harms, J. Jones, *L. Koenig, J.S. Kominoski, W.H. McDowell, *S. Parker, A.D. Rosemond, *C. Song, *M. Trentman, W.H. Wolheim. Biome Context and Lotic Ecosystem Rates. American Geophysical Union Annual Meeting, San Francisco, CA, USA. December 14-18, 2015.

Kominoski, J.S. Timing is everything: Understanding short- and long-term variability in light and temperature on inter-biome freshwater ecosystem production. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

Kominoski, J.S., A.D. Rosemond, *K.J. Farrell, *D.W.P. Manning. Rivers without headwaters are like trees without branches: Integrating network-level ecological connectivity to enhance conservation. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. (Invited Talk). August 9-14, 2015.

*Wilson, B.J., *S.M. Servais, *V. Mazzei, T.G. Troxler, J.S. Kominoski, E.E. Gaiser, F. Sklar, C. Coronado-Molina, S. Kelly, S.E. Davis. Changes in ecosystem carbon responses to saltwater

exposure: Implications of sea level rise in the Florida coastal Everglades. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

Troxler, T.G., F. Sklar, S.E. Davis, E.E. Gaiser, S. Kelly, J.S. Kominoski, C.J. Madden, *V. Mazzei, C. Coronado-Molina, D. Rudnick, *S.M. Servais, J. Stachelek, *B.J. Wilson. The effects of projected sea-level rise on Everglades coastal ecosystems: Evaluating the potential for and mechanisms of peat collapse. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

*Servais, S.M., J.S. Kominoski, *B.J. Wilson, *V. Mazzei, E.E. Gaiser, T.G. Troxler, C. Coronado-Molina, S.E. Davis, S. Kelly, J. Stachelek, F. Sklar, C.J. Madden, L. Bauman. Effects of increased water salinity and inundation on microbial processing of carbon and nutrients in oligohaline wetland soils. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

Pennings, S.C., H. Guo, *S. Dastidar, Z. Hughes, A.R. Armitage, *C. Weaver, *A. Whitt, J.S. Kominoski, *S.P. Charles. Vegetation regime shift in coastal wetlands affects trapping of wrack subsidies from subtidal habitats. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

Armitage, A.R., *A. Whitt, *S.P. Charles, *S. Dastidar, H. Guo, Z. Hughes, J.S. Kominoski, S.C. Pennings. Bottom-up effects of mangrove expansion on transient and resident salt marsh fauna. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

*Charles, S.P., J.S. Kominoski, A.R. Armitage, H. Guo, *C.A. Weaver, S.C. Pennings, *A. Whitt. Mangrove encroachment into salt marshes may enhance carbon storage but reduce surface accretion in coastal wetlands. Centennial Ecological Society of America Meeting, Baltimore, MD, USA. August 9-14, 2015.

*Charles, S.P., J.S. Kominoski. Vegetation state changes in inland and coastal riparian and wetland ecosystems: implications for ecosystem carbon retention. Society of Wetland Scientists Meeting, Providence, RI, USA. May 31-June 4, 2015.

Kominoski, J.S., C.M. McVoy, J.T. Brock. Spatiotemporal variation in ecosystem heterotrophy in carbonate subtropical wetlands is driven by flocculent organic matter. Society for Freshwater Science Meeting, Milwaukee, WI, USA. May 17-21, 2015.

Kominoski, J.S. Drought and saltwater intrusion in freshwater ecosystems: emerging threats that take the future of our science belowground, Society for Freshwater Science Meeting, Milwaukee, WI, USA. (Invited Talk). May 17-21, 2015.

Sheehan, K., W. Wollheim, *K. Farrell, *C. Song, J.S. Kominoski, *M. Trentman, W.K. Dodds, A.D. Rosemond, F. Ballantyne, J. Ruëgg, Janine. Beyond our reach? Extrapolating network-scale aquatic metabolism from reach-scale observation. Society for Freshwater Science Meeting, Milwaukee, WI, USA. May 17-21, 2015.

Follstad Shah, J., J.S. Kominoski, M. Ardón-Sayao, W.K. Dodds, M. Gessner, N.A. Griffiths, S. Johnson, A. Lecerf, C. LeRoy, *D.W.P. Manning, A.D. Rosemond, C.M. Swan, J.R. Webster, L. Zeglin. Global meta-analysis of temperature effects on leaf litter breakdown rates in streams. Society for Freshwater Science Meeting, Milwaukee, WI, USA. May 17-21, 2015.

Zeglin, L., S. Cooper, R. Utz, M. Ardón-Sayao, R. Bixby, A. Burdett, W.K. Dodds, N.A. Griffiths, T. Harms, L. Johnson, S. Johnson, J. Jones, J.S. Kominoski, W.H. McDowell, A.D. Rosemond. Synthesis of stream ecosystem responses to nutrient enrichment at multiple trophic levels. Society for Freshwater Science Meeting, Milwaukee, WI, USA. May 17-21, 2015.

*Manning, D.W.P., A.D. Rosemond, J.P. Benstead, J.S. Kominoski, P.M. Bumpers. Watershed land use effects on coupled nitrogen and phosphorus relationships in U.S. streams and rivers. Society for Freshwater Science Meeting, Milwaukee, WI, USA. May 17-21, 2015.

Ruëgg, J., K. Sheehan, *C. Baker, M. Daniels, W.K. Dodds, *K. Farrell, M. Flinn, K. Gido, T. Harms,

J. Jones, *L. Koenig, J.S. Kominoski, W.H. McDowell, W. Bowden, A.D. Rosemond, *M. Trentman. Baseflow patterns of geomorphic heterogeneity in stream networks across biomes. Society for Freshwater Science Meeting, Milwaukee, WI, USA. May 17-21, 2015.

Davis, S.E., T. Troxler, F. Sklar, C. Coronado-Molina, E.E. Gaiser, S. Kelly, J.S. Kominoski, C. Madden, D. Rudnick, J. Stachelek. Effects of increased salinity and inundation on wetland soil carbon dynamics at the Everglades freshwater-saltwater ecotone. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, FL, USA. April 20-23, 2015.

*Servais, S.M., J.S. Kominoski, *B.J. Wilson, *V. Mazzei, C. Coronado-Molina, S.E. Davis, E.E. Gaiser, S. Kelly, C. Madden, J. Stachelek, F. Sklar, L. Bauman. Effects of increased salinity and inundation on microbial processing of carbon and nutrients in oligohaline wetland soils. Greater Everglades Ecosystem Restoration Meeting, Coral Springs, FL, USA. April 20-23, 2015.

*Weaver, C.A., A.R. Armitage, *S.P. Charles, S. Dastidar, H. Guo, Z. Huges, J.S. Kominoski, *A. Witt, S.C. Pennings. Implications of mangrove expansion in the northern Gulf of Mexico: Mangrove and marsh habitats support different nekton species. Gulf Estuarine Research Society, Port Aransas, Texas, USA. October 30-31, 2014.

*Weaver, C.A., A.R. Armitage, *S.P. Charles, S. Dastidar, H. Guo, Z. Huges, J.S. Kominoski, *A. Witt, S.C. Pennings. Ecological Implications of Black Mangrove Expansion in the Gulf of Mexico. Texas Bays and Estuaries Meeting, Port Aransas, Texas, USA. April 23-24, 2014.

Kominoski, J.S., C.M. McVoy, J.T. Brock. Aquatic ecosystem metabolism in ridge and slough habitats of The Everglades: Characterizing spatiotemporal variation in water column heterotrophy. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

*Farrell, K.J., A.D. Rosemond, F. Ballantyne, S.M. Bonjour, J.S. Kominoski. Spatial dynamics in organic matter stoichiometry in a stream network. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

Gulis, V., T.P. Burns, J. Fitzgerald, C.R. Barrett, J.S. Kominoski, J.P. Benstead, A.D. Rosemond. Dissolved nutrients drive microbial activity while fungi control decomposition and nutrient stoichiometry of submerged leaf litter and wood. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

*Manning, D.W.P., A.D. Rosemond, J.S. Kominoski, V. Gulis, J.P. Benstead and J.C. Maerz. Nitrogen and phosphorus affect leaf litter breakdown via different mechanistic pathways. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

Rosemond, A.D., J.P. Benstead, J.C. Maerz, V. Gulis, J.S. Kominoski, D.W.P. Manning, K.G. Norris. Whole-stream carbon retention decreases with nitrogen and phosphorus concentrations. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

*Servais, S.M., J.S. Kominoski, J.C. Pachón, S. Davis, E.E. Gaiser, T. Troxler. Short-term effects of phosphorus loading and plant defoliation on plant-soil carbon processes in coastal ecosystems. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

*Pachón, J.C., J.S. Kominoski, S.M. Servais, S. Davis, E.E. Gaiser, T. Troxler. Predicting storm-driven impacts of terrestrial carbon loss and phosphorus loading on aquatic ecosystem metabolism. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

Rosemond, A.D., J.P Benstead, J.C. Maerz, V. Gulis, J.S. Kominoski, D. Manning, K. Norris Whole-stream carbon retention decreases with nitrogen and phosphorus concentrations. Joint Aquatic Sciences Meeting. Portland, OR, USA. May 18-23, 2014.

Kominoski, J.S., J.P. Benstead, K.C. Kinek, A.D. Rosemond, J.C. Maerz, and D.W.P. Manning. Comparing stream ecosystem respiration along experimental and anthropogenic N:P gradients in a single catchment. 61st Annual Society for Freshwater Science Meeting, Jacksonville, Florida, USA. May 19-23, 2013.

*Kinek, K.C., J.S. Kominoski, and A.D. Rosemond. Landscape variation in dissolved nutrients and substrate stability differentially affect primary production and respiration in streams. 61st Society for Freshwater Science Meeting, Jacksonville, Florida, USA. May 19-23, 2013.

*Manning, D.W.P., A.D. Rosemond, J.S. Kominoski, V. Gulis, J.P Benstead and J.C. Maerz. Dissolved N:P ratio differentially affects contrasting litter species. 61st Society for Freshwater Science Annual Meeting. Jacksonville, FL, USA. May 19-23, 2013.

*Bumpers, P.M., Maerz, J.C., Rosemond, A.D., Benstead, J.P., Kominoski, J.S. Nutrient Enrichment of Detritus-Based Headwater Streams Stimulates Growth of a Vertebrate Top Predator. 61st Society for Freshwater Science Annual Meeting. Jacksonville, FL, USA. May 19-23, 2013.

*Burns, T.P., V. Gulis, J.S. Kominoski, A.D. Rosemond, J.P. Bensteasd. Effects of dissolved nutrient ratios and concentrations on microbial activity associated with submerged leaf litter and wood. 61st Society for Freshwater Science Annual Meeting. Jacksonville, FL, USA. May 19-23, 2013.

Kominoski, J.S., J.P. Benstead, A.D. Rosemond, D.W.P. Manning. Balancing stream metabolic demands for carbon and nutrients: N:P enrichment stimulates whole-stream heterotrophic respiration despite a reduced carbon base. Association of the Sciences of Limnology and Oceanography Meeting, New Orleans, Louisiana, USA. February 17-22, 2013.

Kominoski, J.S., J.P. Benstead, A.D. Rosemond, D.W.P. Manning. Balancing stream metabolic demands for carbon and nutrients: N:P enrichment stimulates whole-stream heterotrophic metabolism despite a reduced carbon base. 60th Annual Society for Freshwater Science Meeting, Louisville, KY, USA. May 20-24, 2012.

Rosemond, A.D., J.S. Kominoski, V. Gulis, J.P. Benstead. Thresholds in N and P concentration and ratio defined by carbon loss in streams. 60th Annual Society for Freshwater Science Meeting, Louisville, KY, USA. May 20-24, 2012.

*Manning, D.W.P., J.S. Kominoski, A.D. Rosemond, V. Gulis, J.P. Benstead. How do dissolved N:P ratios affect substrate-specific respiration rates in streams? 60th Annual Society for Freshwater Science Meeting, Louisville, KY, USA. May 20-24, 2012.

*Bumpers, P.M., A.D. Rosemond, J.C. Maerz, J.S. Kominoski, J.P. Benstead. Predicting effects of differing N:P enrichment ratios on two larval salamander species based on diet composition, life history, and stoichiometry. 60th Annual Society for Freshwater Science Meeting, Louisville, KY, USA. May 20-24, 2012.

Rosemond, A.D., V. Gulis, J.P. Benstead, J.C. Maerz, J.S. Kominoski, and *D.W.P. Manning. Metabolically driven carbon transformations in streams: Nutrient enrichment effects and the pivotal role of supply and substrate stoichiometry. Gordon Research Conference: The Metabolic Basis of Ecology and Evolution in a Changing World. University of New England, Biddeford, Maine, USA. May 20-24, 2012.

Follstad Shah, J., M. Ardon, J.S. Kominoski, W.K. Dodds, M.O. Gessner, N.A. Griffiths, S. Johnson, A. Lecerf, D.W.P. Manning, A. Rosemond. MASS LOSS: A quantitative synthesis of leaf decomposition in streams. 60th Annual Society for Freshwater Science Meeting, Louisville, KY, USA. May 20-24, 2012.

Kominoski, J.S., J.P. Benstead, D.W.P. Manning, A.D. Rosemond. Baseline trophic state and stream ecosystem metabolism: predicting heterotrophic responses to nutrient enrichment. 59th Annual North American Benthological Society Meeting, Providence, RI, USA. May 22-26, 2011.

*Manning, D.W.P, J.S. Kominoski, A.D. Rosemond. Organic matter stoichiometry drives heterotrophic respiration in forested streams. 59th Annual North American Benthological Society Meeting, Providence, RI, USA. May 22-26, 2011.

Kominoski, J.S., J.J. Follstad Shah. Foundation 'species' and terrestrial-aquatic linkages: effects of

shifting plant composition at the aquatic-riparian interface. 58th Annual North American Benthological Society Meeting, Santa Fe, NM, USA. June 6-11, 2010.

Larrañaga, S., J.S. Kominoski, J.S. Richardson. Does riparian forest composition influence resource-consumer stoichiometry dynamics and functioning in stream ecosystems? 58th Annual North American Benthological Society Meeting, Santa Fe, NM, USA. June 6-11, 2010.

Atwood, T.B., M. Kang, J.S. Kominoski, J.S. Richardson. Influences of leaf litter quality on isotopic fractionation of carbon and nitrogen by the larval stonefly, *Zapada cinctipes*. 58th Annual North American Benthological Society Meeting, Santa Fe, NM, USA. June 6-11, 2010.

Kominoski, J.S., L.B. Marczak, X. Pinto, J.S. Richardson. Terrestrial resource subsidies and aquatic food webs: forest composition and litter quality influence multi-trophic structure and functioning in streams. 57th Annual North American Benthological Society Meeting, Grand Rapids, MI, USA. May 16-23, 2009.

Rosemond, A.D., J.S. Kominoski. Predicting alterations in organic matter dynamics due to global change in freshwater ecosystems. 57th Annual North American Benthological Society Meeting, Grand Rapids, MI, USA. May 16-23, 2009.

Kominoski, J.S., C.M. Pringle, B.A. Ball, D.C. Coleman, M.D. Hunter, B.J. Mattsson. Litter processing in terrestrial and aquatic ecosystems: Importance of species composition and trait persistence. 93nd Annual Ecological Society of America Meeting, Milwaukee, WI, USA. August 3-8. 2008.

Kominoski, J.S., T.J. Hoellein, C.J. LeRoy, C.M. Pringle, C.M. Swan. Studies of stream organic matter processing advance the theoretical framework linking biodiversity and ecosystem function. 56th Annual North American Benthological Society Meeting, Salt Lake City, UT, USA. May 25-30, 2008.

Ball, B.A., M.A. Bradford, D.C. Coleman, M.D. Hunter, J.S. Kominoski, C.M. Pringle. Effects of leaf litter species richness and composition on nutrient dynamics and decomposer biota. 92nd Annual Ecological Society of America Meeting, San Jose, CA, USA. August 5-10, 2007.

Kominoski, J.S., C.M. Pringle. How does diversity of decomposing leaf litter affect changes in litter chemistry and associated macroinvertebrate assemblages in a detritus-based stream? 55th Annual North American Benthological Society Meeting, Columbia, SC, USA. June 3-8, 2007.

Kominoski, J.S., C.M. Pringle, B.A. Ball, M.A. Bradford, D.C. Coleman, D.B. Hall, M.D. Hunter. Positive, non-additive effects of species diversity on ecosystem function. LTER All Scientists Meeting, Estes Park, CO, USA. September 20-23, 2006.

Ball, B.A., J.S. Kominoski, M.D. Hunter, C.M. Pringle, D.C. Coleman, M.A. Bradford. The effects of leaf litter species diversity on decomposition in a forested watershed in the southern Appalachians. 91st Annual Ecological Society of America Meeting, Memphis, TN, USA. August 6-11, 2006.

Kominoski, J.S., C.M. Pringle, B.A. Ball, M.A. Bradford, D.C. Coleman, D.B. Hall, M.D. Hunter. Positive, non-additive effects of species diversity on ecosystem function. 91st Annual Ecological Society of America Meeting, Memphis, TN, USA. August 6-11, 2006.

Kominoski, J.S., C.M. Pringle, B.A. Ball, M.A. Bradford, D.C. Coleman, D.B. Hall, M.D. Hunter. Predicting functional effects of riparian tree species composition on leaf litter processing in a southern Appalachian headwater stream. 54th Annual North American Benthological Society Meeting, Anchorage, AK, USA. June 4-9, 2006.

Kominoski, J.S., B.A. Ball, C.M. Pringle, M.D. Hunter, D.C. Coleman. Effects of leaf litter species diversity on decomposition in a forested watershed in the southern Appalachians, U.S.A. 53th Annual North American Benthological Society Meeting, New Orleans, LA, USA. May 22-27, 2005.

Kominoski, J.S., B.A. Ball, C.M. Pringle, M.D. Hunter, D.C. Coleman. Effects of leaf litter species

diversity on decomposition in a forested watershed. Southeastern Ecology and Evolution Conference, Athens, GA, USA. March 10, 2004.

Kominoski, J.S., N.C. Tuchman, P.A. Moore, C.G. Peterson, R.G. Wetzel. DOC derived from elevated CO_2-altered leaf litter: impacts on stream periphyton growth and community structure. 51th Annual North American Benthological Society Meeting, Athens, GA, USA. May 27-31, 2003.

Kominoski, J.S., N.C. Tuchman, P.A. Moore, C.G. Peterson, R.G. Wetzel. DOC derived from elevated CO_2-altered leaf litter: impacts on stream periphyton growth and community structure. Sigma Xi Student Forum, Loyola University Chicago, Chicago, IL, USA. March 10, 2003.

Working Groups and Symposia

NSF LTER Science Council Meeting (FCE-LTER Representative), Virtual. November 17-19, 2021.

NSF Innovation Lab: Wildfire and the Biosphere, Virtual. May 17-19, 21, 26, 2021.

Future of Synthesis in Ecology, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara, CA, USA. Virtual. February 17-18, 2021.

NSF MacroSystems Biology PI Meeting, Virtual. January 29-30, 2021.

NSF LTER Science Council Meeting (FCE-LTER Representative), Virtual. May 17-19, 2020.

NSF Reintegrating Biology Jumpstart, Atlanta, Georgia, USA. December 4-6, 2019.

NSF LTER Science Council Meeting (FCE-LTER Representative), Luquillo LTER, Puerto Rico. May 17-19, 2019.

NSF LTER Science Council Meeting (FCE-LTER Representative), North Temperate Lakes LTER, WI, USA. May 17-19, 2018.

NSF LTER Science Council Meeting (FCE-LTER Representative), Hubbard Brook LTER, NH, USA. May 17-19, 2017.

NSF MacroSystems Biology PI Meeting, Washington, DC (Co-PI, Presenter), September 29-30, 2016.

NSF LTER Working Group: "Synthesizing metacommunity ecology across long-term ecological research sites" (Invited Participant), September 16-19, 2016.

NSF LTER Science Council Meeting (FCE-LTER Representative), Santa Barbara Current LTER, National Center for Ecological Analysis and Synthesis, University of Santa Barbara, Santa Barbara, CA, USA. May 10-13, 2016

NSF Water Sustainability & Climate PI Meeting, Washington, DC (PI, Presenter), March 7-9, 2016.

NSF LTER All-Scientists' Meeting workshop: "Using long-term data to expand ecological theory" (Organizer), Estes Park, CO, August 30-September 2, 2015.

NSF LTER All-Scientists' Meeting workshop: "Resistance, resilience, and vulnerability to high-energy storms: A gradient perspective" (Invited Participant), Estes Park, CO, August 30-September 2, 2015.

NSF LTER All-Scientists' Meeting workshop: "Using the metacommunity concept to synthesize biodiversity patterns across LTER sites" (Invited Participant), Estes Park, CO, August 30-September 2, 2015.

NSF MacroSystems Biology PI Meeting, Washington, DC (Co-PI, Presenter), August 6-7, 2015.

NSF LTER Science Council Meeting (FCE-LTER Representative), Harvard Forest LTER, Petersham, MA, USA. May 5-8, 2015

NSF MacroSystems Biology SCALER Project Meetings, Konza Prairie LTER, Manhattan, KS, November 11-14, 2014.

NSF MacroSystems Biology PI Meeting, Washington, DC (Co-PI, Presenter), June 5-6, 2014.

Climate Change and Everglades Restoration, Florida Atlantic University, Boca Raton, FL (Invited Participant), April 28-19, 2014.

NSF LTER Science Council Meeting (FCE-LTER Representative), Kansas State University, Manhattan, KS, USA. May 12-16, 2014
NSF LTER Science Council Meeting (FCE-LTER Representative), New Mexico State University, Las Cruces, NM, USA. May 13-17, 2013
Florida Coastal Everglades LTER All-Scientists Meetings (Biogeochemistry Working Group Co-Lead, Co-PI), Miami, FL, USA. March 10-11, 2012-14; Jan 5-6, 2015; March 9-10, 2016; May 9-10, 2017
NSF Long-term Ecological Research Working Group: "Synthesis of stream ecosystem responses to nutrient enrichment at multiple trophic levels", National Ecological Observatory Network, Boulder, CO, USA (Invited Participant). April 1-3, 2013.
NSF LTER Working Group: "Forecasting rates of stream leaf litter decomposition in response to inland climate change" (Co-organizer). Coweeta LTER, Otto, NC, USA. November 10-12, 2011.
National Center for Ecological Analysis and Synthesis Working Group: "Water sustainability in the Cadillac Desert II", Santa Barbara, CA, USA (Invited Participant). June 3-5, 2010.
NSF LTER Continental Carbon Modeling Workshop, Santa Fe, NM, USA (Leader)
NSF LTER Invertebrate Ecosystem Services Workshop, Harvard Forest LTER, Petersham, MA (Invited Participant). April 4-5, 2010.
NSF LTER All-Scientists' Meeting workshop: "Quantifying carbon and nutrient transformations in aquatic ecosystems at regional to continental scales in response to environmental change" (Co-leader). September 14-16, 2009.
Woodstoich: Ecological/Biological Stoichiometry Workshop, Kawatabi, Japan (Invited Participant). August 17-21, 2009.
National Center for Ecological Analysis and Synthesis Working Group: "Water sustainability in the Cadillac Desert I", Santa Barbara, CA, USA (Invited Participant)
NSF LTER Science Council Meeting (Graduate Student Representative), Portland, OR, USA, May 10-15, 2007
NSF LTER Workshop: "Terrestrial-Aquatic Cross-Site Synthesis", Kellogg Biological Station LTER, MI, USA (Leader). April 12-15, 2007.
NSF LTER Graduate Student Collaborative Research Symposium, H.J. Andrews LTER, OR, USA (Graduate Student Representative). April 13-17, 2005.
Riparian Subsidies Workshop, Sevilleta LTER, NM, USA (Invited Participant). November 14-15, 2004.
Advanced Course on Decomposition in Freshwaters, University of Coimbra, Portugal (Invited Participant). September 5-20, 2004.
Coweeta Hydrologic Laboratory LTER Annual Meeting, Otto, NC, USA (Invited Participant). June 20, 2004.

CREATIVE WORK
N/A

WORKS IN PROGRESS
Papers submitted to journals for consideration

Grant Proposals

FUNDED RESEARCH

Teutonico, R. (PI), Kominoski, J.S. (Senior Personnel), National Science Foundation, Division of Environmental Biology, "REU Site Renewal: Understanding Coastal Ecosystems: From the Everglades to the Coral Reefs" 2022-2027 (Total: $675,058).

Kominoski, J.S. (PI). "CESU: Understanding seagrass inputs on the mangrove soil elevation in Biscayne National Park." National Park Service, $75,000. August 2021-December 2023.

Kominoski, J.S. (PI), E.E. Gaiser, N. Dorn. "CESU: Assessing Near-Field and Landscape Scale Ecological Effects of the Modified Water Deliveries and Comprehensive Everglades Restoration Plan Projects in Northeast Shark River Slough, Everglades National Park." National Park Service, $899,126. September 2021-2025.

Kominoski, J.S. (PI), E.E. Gaiser, J. Rehage, K. Grove, J. Fourqurean. "Supplement: LTER: FCE IV: Coastal Oligotrophic Ecosystem Research". National Science Foundation, Division of Environmental Biology, $149,041. March 2021-2025.

Kominoski, J.S. (PI). "Collaborative Research: Scales and Drivers of Dissolved Organic Carbon across Diverse Urban Watersheds". National Science Foundation, Division of Environmental Biology, $192,011. May 2021-2024.

Kominoski, J.S. (PI). "CESU: Dredging Impacts on Sediment Phosphorus Mineralization at the Northern Boundary of Everglades National Park." National Park Service, $93,896. February 2021-2024.

Kominoski, J.S. (PI). "SOFL-CESU: Investigate Sediment and Floc Transport of Phosphorus at S333 Gated Structure on the Northern Boundary of Everglades National Park". National Park Service, $61,923. April 2020-2023.

Castañeda, E., J.S. Kominoski (Co-PI), J.P. Sah (Co-PI), T.G. Troxler (Co-PI). "Mangrove Resilience to Hurricane Disturbances." National Park Service, $335,341, April 2020-2023.

Patrick, C.J. (PI), W.H. McDowell, B. Stauffer, J.S. Kominoski (Co-PI). "RCN-HERS: Research Coordination Network for Hurricane Ecosystem Response Synthesis". National Science Foundation, Division of Environmental Biology, $489,960. January 2021-2025.

Kominoski, J.S. (PI), E.E. Gaiser, J. Rehage, K. Grove, J. Fourqurean. "LTER: FCE IV: Coastal Oligotrophic Ecosystem Research". National Science Foundation, Division of Environmental Biology, $4,750,800 ($2,828,072 to Kominoski). March 2021-2025.

Gaiser, E.E. (PI), J.S. Kominoski (Co-PI), J. Rehage, K. Grove, J. Fourqurean. "LTER: FCE IV: Drivers of Abrupt Change in the Florida Coastal Everglades. National Science Foundation, Division of Environmental Biology", $2,273,998 ($136,229 to Kominoski). December 2018-2020.

Patrick, C.J. (PI), W.H. McDowell, J.S. Kominoski (Co-PI). "Ecosystem Responses to Hurricanes Synthesis Workshop". National Science Foundation, Division of Environmental Biology, $106,538 November 2018-2019.

Kominoski, J.S. (PI), E.E. Gaiser (Co-PI), A. Nocentini. "Quantifying how variability in hydroperiod and fire mediate plant-soil biogeochemical cycling and productivity in boundary wetlands of Everglades National Park. National Park Service, $298,998. August 2018-2021.

Armitage, A. (PI), S. Pennings, J.S. Kominoski (Co-PI). "The effects of shifting coastal wetland plant communities on the food webs that support living coastal resources." National Oceanic and Atmospheric Administration, Texas Sea Grant, $60,593. September 2018-2020.

Troxler, T.J. (PI), F. Sklar, E. E. Gaiser, J.S. Kominoski (Co-PI), S.E. Davis. "The effects of projected sea-level rise on Everglades coastal ecosystems: Enhancing and continuing experiments to evaluate peat collapse and landscape vulnerability." National Oceanic and Atmospheric Administration, Florida Sea Grant, $279,216. February 2018-2020.

Armitage, A. (PI), S. Pennings, J.S. Kominoski (Co-PI). "RAPID Collaborative Research: Do

mangroves provide better coastal protection than salt marshes? A Hurricane Harvey case study from Port Aransas, Texas, USA." National Science Foundation, Division of Environmental Biology, $39,386. October 2017-2019.

Gaiser, E.E. (PI), M. Heithaus, K. Zhang, T.G. Troxler, J.S. Kominoski (Co-PI). "RAPID: Hurricane Irma: How do ecosystem perturbations interact to influence long-term resilience mechanisms?" National Science Foundation, Division of Environmental Biology, $178,159. December 2017-2019.

Kominoski, J.S. (PI), E.E. Gaiser (Co-PI), L. Scinto, J.C. Trexler. "Assessing near-field and landscape scale ecological effects of the Modified Water Deliveries and Comprehensive Everglades Restoration Plan projects in Northeast Shark River Slough, Everglades National Park." National Park Service, $784,371. October 2016-2021.

Grimm, N.B. (PI), J.S. Kominoski (Senior Personnel). "IRES: Interdisciplinary student research on urban resilience in Latin America." National Science Foundation, $249,705. June 2017-2020.

Kominoski, J.S. (PI), S. Charles (Co-PI). "Dissertation Research: Sea level rise and vegetation regime shifts: implications for soil carbon storage and vulnerability in coastal wetlands." National Science Foundation, Division of Environmental Biology, $16,380. June 2017-2019.

Crowl, T. (PI), J.S. Kominoski (Senior Personnel). "CREST: Center for Aquatic Chemistry & Environment (CAChE)." National Science Foundation, Division of Education & Human Resources, (Total: $5,000,000). May 2016-2021.

Gaiser, E.E. (PI), J.S. Kominoski, T.G. Troxler (Co-PI). "Urban Resilience to Climate Change-Driven Extreme Events." National Science Foundation, Sustainability Research Networks (Total: $10,499,692; FIU: $614,921). July 2015-2020.

Troxler, T.J. (PI), F. Sklar, E. E. Gaiser, J.S. Kominoski (Co-PI), S.E. Davis. "Mechanisms of peat collapse in Everglades coastal ecosystems: Phase II salinity manipulations and surface elevation change." National Oceanic and Atmospheric Administration, Florida Sea Grant, $279,216. February 2016-2018.

Troxler, T.J. (PI), F. Sklar, E. E. Gaiser, J.S. Kominoski (Co-PI), S.E. Davis. "The effects of projected sea-level rise on Everglades coastal ecosystems: Evaluating the potential for and mechanisms of peat collapse using integrated mesocosm and field manipulations." National Oceanic and Atmospheric Administration, Florida Sea Grant, $279,216. February 2014-2016.

Arumugam, S. (PI), E. Berglund, K. Gnanamanikam, K. Kunkel, T. Sinha, K.L. Larson, J.L. Sabo, J.S. Kominoski (PI). National Science Foundation. Category 3: Collaborative Research: Water Sustainability under Near-term Climate Change: A cross-regional analysis incorporating socio-ecological feedbacks and adaptations. (Total: $1,300,000; Kominoski: $111,132). September 2012-2016.

Gaiser, E.E. (PI), R. Jaffe, M. Heithaus, J.S. Kominoski (Co-PI), and R. Price. FCE III: Coastal Oligotrophic Ecosystems Research. National Science Foundation, Division of Environmental Biology, $6,107,659. December 2012-2018.

Rosemond, A.D. (PI), J.C. Maerz, J.S. Kominoski (Co-PI), "Collaborative research: Defining ecosystem heterotrophic response to nutrient concentrations and ratios" National Science Foundation, REU Supplemental, $7,464. June 2012-2013.

Dodds, W.K. (PI), W.M. McDowell, W. Wollheim, A. Helton, B. Bowden, J. Jones, A.D. Rosemond, J.S. Kominoski (Co-PI), M.J. Whiles. M. Flynn, F. Ballentyne, T. Harms. "Collaborative Research: Scaling Consumers and Lotic Ecosystem Rates (SCALER): Centimeters to Continents". National Science Foundation, Emerging Frontiers, Macrosystems Biology, (Total: $1,500,000; Kominoski: $262,697). October 2012-2017.

Follstad Shah, J. (PI), M. Ardón, Kominoski, J.S. (Co-PI), National Science Foundation, 2010 LTER Cross-site Synthesis Workshop Grant, $13,105. October 2011-2012.

Kominoski, J.S. (PI), W. Wollheim. National Science Foundation, 2009 LTER Cross-site Synthesis Workshop Grant, $11,300. October 2010-2011.
Kominoski, J.S. (PI), National Science Foundation, 2007 LTER Cross-site Synthesis Workshop Grant, $7,500. January 2007-2008.
Kominoski, J.S. (PI), 2006 Air & Waste Management Association Grant ($1500)
Kominoski, J.S. (PI), 2002 University of Michigan Graduate Research Grant ($1600)

PROPOSALS SUBMITTED UNDER REVIEW
Kominoski, J.S. (PI), J.S. Rehage (Co-PI), D. Gann (Co-PI), R. Santos (Co-PI), T.G. Troxler (Co-PI). National Science Foundation, Division of Environmental Biology & Division of Ocean Sciences, "LTER V: Coastal Oligotrophic Ecosystems". 2025-2030 (Total: $7,650,000).

Zeglin, L. (PI), Kominoski, J.S. (Senior Personnel). National Science Foundation, Division of Environmental Biology, "RaMP: Long Term Networked Ecological Research for the Future (LT-NERF)". 2024-2028 (Total: $2,999,236; Kominoski: $11,590).

PROPOSALS SUBMITTED BUT NOT FUNDED
Hamideh, S. (PI), Kominoski, J.S. (Co-PI), National Science Foundation, Coasts and People, "COPE-ADAPT: Coastal Planning for Equitable Adaptation and Population Transition". 2022-2027 (Total: $12,000,000; Kominoski: $905,842).
Armitage, A. (PI), S. Pennings, J.S. Kominoski (Co-PI). National Science Foundation, Division of Environmental Biology, "Collaborative Research: Ecosystem Responses to Changes in Foundation Species: Do Effects Vary Across Trophic Levels?" August 2, 2017.
Armitage, A. (PI), S. Pennings, J.S. Kominoski (Co-PI). National Science Foundation, Division of Environmental Biology, "Preliminary Proposal: Collaborative Research: Ecosystem Responses to Changes in Foundation Species: Do Effects Vary Across Trophic Levels?" January 23, 2017.
Kominoski, J.S. (PI), B.J. Sikes, B. Rothermel (Co-PI). National Science Foundation, Division of Environmental Biology, "Preliminary Proposal: Collaborative Research: Soil organic matter fuels plant-soil biogeochemistry and productivity in fire-adapted ecosystems". January 23, 2017.
Hale, R. (PI), K. Capps, J. Morse, A. Roy, J.S. Kominoski (Co-PI). National Science Foundation Emerging Frontiers, Macrosystems Biology, "Collaborative Research: Organic Carbon Inputs and Transformations in Urban Streams from Reach to Continental Scales." (Total: $1,200,000; Kominoski: $256,365). October 15, 2016.
Fatoyinbo, L. (PI), D. Lagomasino, S.K. Lee, K. Tully, K. Gedan (Co-PIs), J.S. Kominoski (Collaborator). NASA ROSES, Interdisciplinary Science, "Ecotone Transitions in the Coastal Zone in Response to Sea Level Rise and Saltwater Intrusion" (Total: $1,135,393)
Gaiser, E.E. (PI), J.S. Kominoski (Senior Personnel). National Science Foundation, Division of Environmental Biology, "FCE REU Site: The Changing Drivers of Coastal Ecosystem Transformation." (Total: $738,563)
Kominoski, J.S. (PI), S. Pennings, A. Armitage (Co-PI). National Science Foundation, Division of Environmental Biology, "Preliminary Proposal: Collaborative Research: Quantifying effects of foundation species identity, density, and traits on organic carbon cycling in coastal wetland ecosystems."
Arumugam, S. (PI), J.L. Sabo, A. Ruhí, T. Sihna, J.S. Kominoski (Co-PI). National Science Foundation, "SAVI: Collaborative Proposal: Water and Ecological Sustainability under Near-term Climate Change and Population Growth." (Total: $1,200,000; Kominoski: $121,151)

Pennings, S. (PI), A. Armitage, J.S. Kominoski (Co-PI). National Science Foundation, Division of Environmental Biology, "Collaborative Research: Predicting the functional implications of ecological regime shifts in coastal wetlands." (Total: $1,100,000: Kominoski: $322,627)

Kominoski, J.S. (PI). National Science Foundation, Division of Environmental Biology, "CAREER: Fire-induced phosphorus release interacts with seasonal water availability to drive wetland ecosystem productivity." (Kominoski: $1,299,343)

Gaiser, E.E. (PI), J.S. Kominoski (Senior Personnel). National Science Foundation, Division of Environmental Biology, "FCE REU Site: The Changing Drivers of Coastal Ecosystem Transformation." (Total: $738,563)

Kominoski, J.S. (PI), J.C. Trexler, E.E. Gaiser. National Science Foundation, Division of Environmental Biology, "Preliminary Proposal: Testing the limits of carbon source and nutrient availability on food web stability across a gradient in ecosystem productivity."

Kominoski, J.S. (PI), J.C. Trexler, E.E. Gaiser. National Science Foundation, Division of Environmental Biology, "Preliminary Proposal: Sea-level rise alters freshwater ecosystem energetics and food web stability through declines in benthic structure and productivity."

Kominoski, J.S. (PI), J.C. Trexler, E.E. Gaiser. National Science Foundation, Division of Environmental Biology, "Preliminary Proposal: The rising tide of a sea change: effects of cascading declines in biocomplexity on carbon cycling in freshwater coastal ecosystems."

Pennings, S. (PI), J.S. Kominoski, A. Armitage, J. Fuentes, P. D'Orrico, Z. Huges (Co-PI). National Science Foundation, Division of Environmental Biology, "Collaborative Research: Predicting functional implications of ecological regime shifts in coastal wetland ecosystems." (Total: $1,100,000: Kominoski: $314,565)

Kominoski, J.S. (PI). National Science Foundation, Division of Environmental Biology, "CAREER: From the center to the edge and beyond: Wetland hydroperiod drives ecosystem productivity, species interactions, and cross-ecosystem subsidies" PI (FIU) ($739,717)

Dyckman, C.A. (PI), M. Haneman, J.S. Kominoski, L. Bowling, J.L. Sabo, National Science Foundation, Sustainability Research Networks, "Sustaining Urban Water Use: Projecting Resilience to Drought through Legal, Political and Institutional Overlays across the U.S. Sunbelt". (Total: $11,465,591; Kominoski: $1,305,739).

PATENT DISCLOSURES, APPLICATIONS, AND AWARDS
N/A

PROFESSIONAL HONORS, PRIZES, FELLOWSHIPS
N/A

OFFICES HELD IN PROFESSIONAL SOCIETIES
Society for Freshwater Science, Vice President (appointed), 2022-2023
Society for Freshwater Science, Executive Committee (appointed), 2021-2024
Member, Executive Committee, NSF Long Term Ecological Research Network 2021-2024
Ecological Society of America, Associate Editor *Ecosphere* (appointed), 2019-Present
Society for Freshwater Science, Associate Editor *Freshwater Science* (appointed), 2018-2022
Ecological Society of America, Vice-President/President of the Aquatic Ecology Section (appointed), 2017-2021
Association for the Societies of Limnology and Oceanography, Awards Committee (appointed), 2012-2013
Society for Freshwater Science, Elections and Place Committee Member (appointed), 2011-2012
Society for Freshwater Science, Publications Committee Member (appointed), 2011-2012

Association for the Societies of Limnology and Oceanography, Early Career Committee (appointed), 2010-2013
North American Benthological Society, Executive Committee Member (appointed), 2009-2010
LTER Network, Graduate Student Co-Chair (elected), 2007-2008

OTHER PROFESSIONAL ACTIVITIES AND PUBLIC SERVICE
Chair, Faculty Senate Environment Committee, FIU, 2024-Present
Member, Executive Committee, Society for Freshwater Science, 2021-2023
Member, Executive Committee, NSF Long Term Ecological Research Network
Senator, Faculty Senate, FIU, 2020-2022
Member: Department of Biological Sciences, FIU, Graduate Committee, FIU, 2016-2020
Co-Chair: Faculty Search Committee, Institute of Environment, Department of Chemistry and Biochemistry, FIU, 2017
Co-Chair: Faculty Search Committee, Department Based Education Research, Department of Biological Sciences, STEM Institute, FIU, 2015
Co-Chair: Department of Biological Sciences, Education Committee, FIU, 2015-2018
Osher Lifelong Learning Institute, University of Georgia, Athens, GA, USA (volunteer instructor)
Upper Oconee Watershed Network, Athens, GA, USA; Board member (elected)

MENTORING
Faculty
Justin Campbell, Department of Biological Sciences, Florida International University, 2020-Present
Janna Fierst, Department of Biological Sciences, Florida International University, 2022-Present
Oscar Valverde-Barrentes, Department of Biological Sciences, Florida International University, 2023-Present

Postdocs
Matt Smith (2021-2022, currently Biologist, U.S. Army Corps of Engineers, Washington, DC, USA)
Andrea Nocentini (2018-2021, currently Contractor, National Park Service, Homestead, FL, USA)
Mary Zeller (2018-2019, currently Biogeochemist, Leibniz Institute for Baltic Research, Germany)
Dong Yoon Lee (2017-2018, currently Scientist, South Florida Water Management District, USA)
Aingeru Martinez (2014, currently Research Scientist, University of Coimbra, Portugal)

Graduate Students
Veronica Restrepo (2022-Present)
Jordon King (2022-Present)
Kenny Anderson (2020-2023)
Kevin Montenegro (2021-Present)
Liz Ortiz (2021-Present)
Ximena Mesa (2016-2017, currently PhD candidate, Florida International University, USA)
Matt Smith (2016-2021, currently Biologist, U.S. Army Corps of Engineers, Washington, DC, USA)
Sean Charles (2013-2018, currently Postdoctoral Associate, East Carolina University, NC, USA)
Shelby Servais (2013-2018, currently Program Analyst, Dept. of the Treasury, Washington, DC, USA)

Research Technicians
Rafael Travieso (2008-Present)
Gabriel Kamener (2022-Present)
Christopher Rizzie (2022-Present)

Caitlin Reisa (2023-Present)
Veronica Restrepo (2021-2022)
Sophia Hoffman (2020-2022, currently Lab & Research Technician, University of Virginia, USA)
Ryan Bremen (2020-2021, currently Instructor, University of Miami, USA)
Christopher Rizzie (2019-2022)
Amanda Kuhn (2017-2019, currently PhD candidate, Arizona State University, USA)
Diana Johnson (2018-2019, currently RN)
Shishir Sarker (2018-2019, currently PhD candidate, University of Kentucky, USA)
Michelle Robinson (2014-2018, currently Senior Biologist, Monroe County, FL, USA)
Michael Kline (2014-2018, currently Environmental Sensor Manager, Clemson University, SC, USA)
Hanna Campen (2014, currently PhD candidate, Helmholtz Center for Ocean Research, Kiel, Germany)

Undergraduate Students
Christopher Feliciano (2023-2024)
Roger Bendana (2023-2024)
Christopher Bermudez (REU 2023)
Kristian Lopez (REU 2022)
Jasmine Rodriguez (REU 2022)
Katherine Hulting (REU 2021)
Diana Rodrigues (2019-2021)
Andreina Contreras (REU 2019)
Gonzalo Eyzaguirre (Biology Honors Program 2019)
Andrew Huang (2019-2020)
Alessandra Puig-Santana (REU 2018)
Patricia Leroy (2017-2018)
Francisca Olmos de Aguilera (2017-2018)
Beatriz Sampaio (2017-2018)
Suzy Roebling (REU 2017)
Daniel Reed (REU 2017)
Marco Fernandez (REU 2016)
Gabrielle Cabral (2016-2017)
Venus Garcia (2016-2017)
Andrew Menendez (2015-2016)
Emma Singer (2015)
Kristina Morales (REU 2015)
Diana Segrera (2015-2016)
Daniel Rivera (2014-2015)
Julio Pachón (REU 2013)
Alexis Ramos (2013-2014)
Barbara Moahamed (2013-2014)

High School Students
Valeria Mejia (2021-2023)
Jonathan Lau (2017-2018)
Cate Patriarca (2017-2018)
Andrea Gutierrez (2015)

Public School Teachers
Walfrido Valdes (2023-2025)
Richard Dominguez (2023-2025)
Beatriz Guimaraes (2021-2023)
Lacey Simpson (2021-2023)
Amanda Hernandez (2021-2023)
Cristina Whelan (2020-2022)
Teresa Casal (2015-2016)
Catherine Laroche (2015-2016)