

**LAUREN N. GRIFFITHS, PH.D.**

DrLaurenGriffiths@gmail.com | (561) 755-0445  
4940 Bayshore Drive | Naples, FL 34112  
www.DrLaurenGriffiths.com

**a. EDUCATION**

2020	Ph.D.	Geology	University of South Florida
2017	M.S.	Environmental Science	Florida Gulf Coast University
2014	B.S.	Environmental Studies	Florida Southern College

**b. PROFESSIONAL APPOINTMENTS**

2020 – present	<b>Florida Gulf Coast University</b> , Postdoctoral Researcher
2018 – present	<b>Florida Gulf Coast University</b> , Courtesy Faculty
2017 – 2020	<b>University of South Florida</b> , Research Assistant, Everglades Wetland Research Park
2015 – 2020	<b>Florida Gulf Coast University</b> , Research Assistant, Everglades Wetland Research Park
2019	<b>University of South Florida</b> , Teaching Assistant
2013 – 2017	<b>Palm Beach County Department of Environmental Resources Management</b> , Student Worker, Ecosystem Restoration

**c. TEACHING EXPERIENCE**

Graduate Teaching Assistant, University of South Florida  
Wildlife Research Methods, EVR 3218

Courtesy Faculty, Florida Gulf Coast University  
Co-instructor Wetland Ecology, PCB 4442/EVR 6936 (2016, 2017, 2019, 2020)  
Co-instructor Wetland River and Coastal Science, EVR 4920/EVR 6907 (2019, 2020)

**d. PUBLICATIONS**

**Griffiths, L.N.**, Haupt, T.N., Zhang, L. and Mitsch, W.J. 2021. Role of emergent and submerged vegetation and algal communities on nutrient and management in a subtropical urban stormwater treatment wetland. *Wetlands Ecology and Management*.

**Griffiths, L.N.** and Mitsch, W.J. 2020. Nutrient retention via sedimentation in a created urban stormwater treatment wetland. *Science of the Total Environment*, 727.

**Griffiths, L.N.** and Mitsch, W.J. 2017. Removal of nutrients from urban stormwater runoff by storm-pulsed and seasonally pulsed created wetlands in the subtropics. *Ecological Engineering* 108, 414-424.

MacDonnell, C.P., Zhang, L., **Griffiths, L.**, & Mitsch, W.J. 2017. Nutrient concentrations in tidal creeks as indicators of the water quality role of mangrove wetlands in Southwest Florida. *Ecological Indicators*, 80, 316-326.

*In review*

**Griffiths, L.N.** and Mitsch, W.J. in review. Estimating the effects of a hurricane on carbon storage in mangrove wetlands in southwest Florida. *Estuaries and Coasts*.

**e. CONFERENCE PARTICIPATION**

- 2021 **Griffiths, L.N.** and W.J. Mitsch. 22-25 March 2021. Role of vegetation and algal communities on nutrient retention and management in a created urban stormwater treatment wetlands. 13<sup>th</sup> Annual Symposium on Biogeochemistry of Wetlands; Virtual.
- 2020 **Griffiths, L.N.** and W.J. Mitsch. 2020. Nutrient retention via vegetative uptake and sedimentation in created wetlands in subtropical Florida. UF Water Institute Symposium; Gainesville, Florida.  
**Griffiths, L.N.** 2020. Urban wetlands preventing coastal algal blooms. Workshop/Symposium on Wetlands Mitigating Harmful Algal Blooms; Naples, Florida.
- 2019 **Griffiths, L.N.** 2019. Nutrient retention via vegetative uptake and sedimentation in created wetlands in subtropical Florida. Workshop/Symposium on Wetlands Mitigating Harmful Algal Blooms; Huron, Ohio.  
**Griffiths, L.N.** and W.J. Mitsch. 2019. Nutrient retention via vegetative uptake and sedimentation in created wetlands in subtropical Florida. 8<sup>th</sup> International Symposium on Wetland Pollutant Dynamics and Control; Aarhus, Denmark.  
**Griffiths, L.N.** and W.J. Mitsch. 2019. Nutrient retention from urban runoff via vegetative uptake and sedimentation in created wetlands in subtropical Florida. Greater Everglades Ecosystem Restoration conference; Coral Springs, Florida.
- 2018 **Griffiths, L.N.** and W.J. Mitsch. 2018. Nutrient retention via vegetative uptake and sedimentation in created wetlands in subtropical Florida. 12<sup>th</sup> International Symposium on Biogeochemistry of Wetlands; Coral Springs, Florida.  
Nesbit, T.A., **Griffiths, L.N.** and W.J. Mitsch. 2018. Seasonal and Hurricane Irma effects on the hydrologic regime of a constructed urban stormwater treatment wetland complex in southwestern Florida. 12<sup>th</sup> International Symposium on Biogeochemistry of Wetlands; Coral Springs, Florida.
- 2017 **Griffiths, L.** and Mitsch, W.J. 2017 Retention of nutrients from urban stormwater runoff by storm-pulsed and seasonally pulsed created wetlands in the subtropics. Society of Wetland Scientists Annual Meeting; San Juan, Puerto Rico.
- 2016 **Griffiths, L.** and Mitsch, W.J. 2016. Nutrient removal in urban stormwater runoff through created wetlands in Southwest Florida. Society of Wetland Scientists Annual Meeting; Corpus Christi, Texas.  
**Griffiths, L.** and Mitsch, W.J. 2016. Nutrient reduction in urban stormwater runoff through created wetlands. Florida Chapter of the Wildlife Society Spring Meeting; Gainesville, Florida.  
**Griffiths, L.** 2016. Phosphorus reduction in stormwater through created wetland. 25<sup>th</sup> Annual Southwest Florida Water Resource Conference; Fort Myers, Florida.

## **f. FUNDING**

- 2020-22 “Monitoring, predicting, and controlling harmful algal blooms by buoy ultrasonic technology in a range of lakes in southwest Florida.” Florida Department of Environmental Protection. (\$983,685) – co-investigator (25%)
- 2018 Tharp Research Fellowship (\$1,300)
- 2016-19 “Freedom Park Stormwater Treatment Wetlands: Towards a Long-Term Monitoring and Management Plan.” Collier County, Naples, Florida (\$54,503) – co-investigator (25%)
- 2016 Naples Garden Club Fellowship (\$2,150)

## **g. SERVICE AND OUTREACH**

Ad-hoc reviewer

*Total Science of the Environment*

Connecticut Sea Grant and New York Sea Grant Long Island Sound Study extramural research program

Undergraduate and graduate student mentorship

Volunteer

Ocean Church –technical and production team

Local elementary and middle schools as guest lecturer