

Janelle Goeke

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EDUCATION

PhD Student (*Coastal Ecology*) **2016-Present**

Texas A&M University Galveston Campus, Galveston, Texas

- Ecology and Evolutionary Biology Program
- Advisor: Dr. Anna Armitage

Bachelor of Science (*Biology*) **May 2016**

State University of New York at Geneseo (SUNY Geneseo), Geneseo, New York

- Bachelor of Science in Biology with Honors
- Geology Minor
- Graduated *summa cum laude*
- Study Abroad - Arctic Ecology at University of Oulu, Finland, Summer 2014

RESEARCH EXPERIENCE

Coastal Wetlands Ecology Lab **2016-Present**

- Studying mangrove encroachment of salt marshes and its bottom up effects on herbivorous marsh species

Analysis of the Cyanobacterial Population of Loon Lake **2015-2016**

- Collected lake water samples from Loon Lake, Wayland, New York and performed analysis to determine cyanobacterial species and abundance, and the levels of cyanobacterial toxins present

Fungal Infection of Sea Fans in Relation to Reef Health **Spring 2015**

- Surveyed Common and Venus sea fans on coral reefs around the island of San Salvador, Bahamas for evidence of infection by Aspergillosis

Expression of *fsd-1* Gene Variants in the Filamentous Fungus *Neurospora crassa* **2015-2016**

- Studied the conditions which caused the expression of each of the three transcript variants of *fsd-1* in *Neurospora crassa*

Modeling the Spread of Beech Bark Disease Using R **2014**

- Used the statistical program R to analyze the factors affecting the spread and propagation of the insect and fungus causing beech bark disease in a forest

Effect of herbivory on Brassica photosynthesis **2014**

- Researched the effect of herbivory by *Pieris rapae* caterpillars on photosynthetic rate of *Brassica rapa* plants

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PEER-REVIEWED PUBLICATIONS

Hancock, Z.B., **J.A. Goeke**, and M.K. Wicksten. In press. A sea anemone of many names: a review of the taxonomy and distribution of the invasive actinarian *Diadumene lineata*, with records of its reappearance on the Texas coast (Diadumenidae). *ZooKeys*.

TEACHING EXPERIENCE

Teaching Assistant **Fall 2017-Present**
Coastal Plant Ecology (MARB 430)

Tutor **2014 to 2016**
SUNY Geneseo Department of Biology

Undergraduate Lab Assistant **Fall 2015**
SUNY Geneseo Department of Biology

FINANCIAL AWARDS AND GRANTS

- EEB Research Grant **2017**
- Texas A&M University Galveston 2 Year Competitive Graduate Fellowship **2016**

SCHOLARSHIP AND ACADEMIC HONORS

- Phi Beta Kappa Honor Society, SUNY Geneseo **2016**
- Herman Forest Gaia Award Recipient **2016**
- Presidential Scholar, SUNY Geneseo **2015**
- Beta Beta Beta Biology Honor Society, SUNY Geneseo **2014**

CONFERENCE PARTICIPATION

Ecological Society of America, 102nd Annual Meeting (ESA) **August 2017**
Portland, Oregon

- Student Volunteer

Coastal & Estuarine Research Federation, 23rd Biennial Conference (CERF) **November 2015**

Portland, Oregon

- Student Volunteer
- Mentoring Program participant

POSTER SESSIONS & PRESENTATIONS

GREAT Day 2016 (*Geneseo Recognizing Excellence, Achievement & Talent*) **April 2016**
SUNY Geneseo

GREAT Day 2015 (*Geneseo Recognizing Excellence, Achievement & Talent*) **April 2015**
SUNY Geneseo

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GREAT Day 2014 (*Geneseo Recognizing Excellence, Achievement & Talent*)

April 2014

SUNY Geneseo

MEMBERSHIPS

Coastal & Estuarine Research Federation (*Member*)

Fall 2015-Present