

John Anthony Miller (Tony)

**I. Contact Information**

Department of Biological Sciences  
Kent State University  
Kent OH 44242  
Email: jmill222@kent.edu Phone: 330-347-3704

**II. Education**

The University of Akron: B.S. Biology (Honors College, Summa Cum Laude). May 2013.  
Honors Thesis: Effects of Warming on *Leersia oryzoides*. Advisor: Randy Mitchell.

The University of Akron: M.S. Biology. August 2016.  
Thesis: Local Adaptation in *Sphagnum palustre*. Advisor: Randy Mitchell.

Current Position:  
Kent State University: Ph.D., Biological Sciences-Ecology and Evolutionary Biology. Advisor: Andrea Case.

**III. Academic Experience**

a. Assistantships

- i. Natural Science Biology Lab TA (University of Akron): SP 2014-SP 2015.  
An undergraduate course designed as a science credit for students who are not majoring in biology. Lab courses with 40 students.
- ii. Research Assistant (University of Akron): SU 2014 and SU 2015.  
Vegetation scoring and monitoring of a wetland.
- iii. Natural Science Biology Lab Coordinator (University of Akron): FA 2015-SU 2016.  
Organize and arrange the lab materials and setup for all Natural Science Biology labs, consisting of 600 total students.
- iv. Teaching Assistant Biological Foundations Lab (Kent State University): FA 2016, SP 2019.  
An undergraduate biology lab for students majoring in biology. Lab course with 25 students.
- v. Teaching Assistant Ornithology Lab (Kent State University): SP 2017, SP 2018.  
An undergraduate lab course with 22 students. Main topics include anatomy and species identification by sight and sound.
- vi. Teaching Assistant Local Flora Lab (Kent State University): FA 2017, FA 2019.  
An undergraduate lab course with 10 students. Main topics include using a dichotomous plant key and field identifications.
- vii. Teaching Assistant Plant Biology Lab (Kent State University): SP 2020.  
An undergraduate lab course with 8 students. Main topics include biogeography, plant anatomy and physiology.

b. Other Relevant Employment

- i. Student Peer Tutor (University of Akron Wayne College): Aug. 2011-May 2013.
- ii. Student Peer Mentor (University of Akron): Aug. 2012-May 2013.
- iii. Chemistry Stockroom Manager (University of Akron Wayne College): Sept. 2013-Dec. 2013.

c. Guest Lectures

- i. General Ecology. Dr. Anne Wiley. University of Akron. October 2014. Undergraduate course lecture entitled Peatlands.
- ii. General Ecology. Dr. Anne Wiley. University of Akron. October 2015. Undergraduate course lecture entitled Local Adaptation in *Sphagnum palustre*.

**IV. Conference Presentations**

- i. Monitoring the Moss of a Wetland Restoration. Poster Presentation. Ohio Natural History Conference. February, 2017. Columbus, OH.
- ii. Modeling Sex Ratio Variation in *Lobelia siphilitica* L. (Campanulaceae). Poster Presentation. Botany Conference. July, 2018. Rochester, MN.
- iii. Can environmental variables predict population sex ratios across a species range? Poster Presentation. Evolution Conference. June, 2019. Providence, RI

**V. Grants and Fellowships**

- a. Ohio Biological Survey Small Grants Program. \$500. Awarded for identifying *Sphagnum* spp. and researching ecology of the species at a tamarack bog. (2014).
- b. Ohio Biological Survey Small Grants Program. \$500. Awarded for finding populations of *Lobelia siphilitica* and documenting the sex ratios at the sites. (2017).
- c. Herrick Aquatic Ecology Research Grant. \$1,500. Awarded for studying the effects of clay content on *Lobelia siphilitica* relative fitness. (2018).
- d. Kent State Graduate Student Senate Research Award. \$2,000. Awarded for studying the effects of clay content on *Lobelia siphilitica* relative fitness. (2019).
- e. Herrick Aquatic Ecology Research Grant. \$900. Awarded for studying soil samples of *Lobelia siphilitica* populations. (2019).

**VI. Publications**

- a. Miller, T., & Mitchell, R. J. (2018). Source Locality Effects on Restoration Potential in *Sphagnum palustre* L. from 3 Ohio Sites. *The Ohio Journal of Science*, 118(2), 34-42.

**VII. Scholastic Awards**

- a. Lazarus Walter Macior Graduate Scholarship (University of Akron). 2013.

- b. Alice and Walter Macior Award in Plant Sciences. (University of Akron). 2015.

**VIII. Mentoring of Undergraduate Students**

- a. Ziad Shwaiki (Honors Student in Randy Mitchell Lab).
- b. Farah Chaudhry (Honors Student in Randy Mitchell Lab).