

**Kelsey A. Martinez**  
**PhD Candidate in Biology**  
**Syracuse University**  
kelsey.anne.martinez@gmail.com  
(815)-529-7066  
kelsey.martinez.github.io

### **Education**

Syracuse University, Syracuse, NY: Biology PhD candidate, advised by Dr. Jason Fridley, degree in progress; plan to defend Sept. 2018

Southern Illinois University, Carbondale, IL: MS, Plant Biology 2014, advised by Dr. David Gibson

Knox College, Galesburg, IL: BA, major: Environmental Studies; minor: Anthropology & Sociology  
Honors: Magna cum Laude, Phi Beta Kappa

### **Publications**

**Martinez KA**, Fridley JD (2018) Acclimation of leaf traits in seasonal light environments: are non-native species more plastic? *Journal of Ecology*, in press.

**Martinez KA**, Gibson DJ, Middleton BA (2015) Core-satellite species hypothesis and native versus exotic species in secondary succession. *Plant Ecology*, 216: 419-427.

Gibson DJ, **Martinez KA** (2014) Shawnee National Forest Vegetation Plot Analysis.

### **Manuscripts in Prep**

Martinez KA, Fridley JD, Hikosaka K. Effects of light availability on photosynthetic traits in the native and invasive ranges of shade tolerant invaders.

### **Fellowships & Awards**

2016-2018 STEM Fellow, Syracuse University NSF EAPSI Japan 2016 Fellow

2014-2015 McNair Fellow, Syracuse University 2014-2015

2013-2014 Dept. of Plant Biology TA, Southern Illinois University

2012-2013 Southern Illinois University Masters Fellow

2011 Undergraduate thesis research grant, Knox College

### **Presentations at Scientific Meetings**

2016 Martinez KA, Hikosaka K, Fridley JD. Ecophysiology of deciduous forest invasions: variation in leaf traits home and away. NSF/JSPS Research Symposium. Tokyo, Japan.

2018 Martinez KA, Fridley JD. Seasonal plasticity of shade tolerant shrubs. Ecological Society of America, New Orleans, LA (plan to present poster)

### **Teaching Experience**

2017-2018 Undergraduate Honors Research Advising; Lauren Woolhiser, B.S. Syracuse University

2016 General Biology Teaching Assistant, Syracuse University

2015 Global Change Biology Teaching Assistant, Syracuse University

2013-2014 General Biology Teaching Assistant, Southern Illinois University

**Other Research and Field Experience**

2011            McHenry County Conservation District: Natural Resource Management Intern  
2011            School for Field Studies – Yungaburra, Queensland; semester abroad  
2010            Green Oaks Term, Knox College; off campus study of prairies and botanical ID skills

**Service Positions and Affiliations**

2017-2018      Syracuse University Biology Graduate Student Organization, vice president  
2017-2018      Syracuse University Graduate Student Senate, senator  
2015-2018      Sigma Xi, member  
2013-2014      Southern Illinois University Plant Biology Graduate Student Organization, vice president  
2013-2014      Southern Illinois University Restoration Club, president  
2012-2018      Phi Beta Kappa, member

**Other Skills**

Proficient with linear models, mixed models, multivariate statistics, phylogenetic analyses, and Bayesian modeling (JAGS) in R  
4 field seasons of experience using IRGAs to measure photosynthetic responses  
Ability to use and troubleshoot NC autoanalyzers  
Experience with mixed models in SAS  
Ability to produce publication quality figures in R (ggplot and base)  
Experience with soil analyses and wetland delineation  
Familiar with Adobe Photoshop  
Highly confident in botanical ID skills for Eastern North American vascular plants