

**Kelsey A. Martinez**  
**PhD Candidate in Biology**  
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### **Education**

Syracuse University, Syracuse, NY: Biology PhD candidate, advised by Dr. Jason Fridley;  
anticipated defense: 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** (totaling \$234,000)

2016-2018	STEM Fellow, Syracuse University (\$58,000)
2016	NSF EAPSI Japan Fellow (\$12,000)
2015-2016	Dept. of Biology TA, Syracuse University (\$58,000)
2014-2015	McNair Fellow, Syracuse University 2014-2015 (\$65,000)
2013-2014	Dept. of Plant Biology TA, Southern Illinois University (\$20,000)
2012-2013	Southern Illinois University Masters Fellow (\$20,000)
2011	Undergraduate thesis research grant, Knox College (\$1000)

### **Presentations at Scientific Meetings**

2016	<b>Martinez KA</b> , Hikosaka K, Fridley JD. Ecophysiology of deciduous forest invasions: variation in leaf traits home and away. NSF/JSPS Research Symposium. Tokyo, Japan.
2018	<b>Martinez KA</b> , 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