

Kelsey A. Martinez
PhD Candidate in Biology
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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.

Fellowships & Awards

STEM Fellow, Syracuse University 2016-present
NSF EAPSI Japan 2016 Fellow: "Ecophysiology of deciduous forest invasions: variation in leaf traits home and away"; Collaboration with Dr. Kouki Hikosaka at Tohoku University, Sendai, Japan
McNair Fellow, Syracuse University 2014-2015
Dept. of Plant Biology TA, Southern Illinois University (2013-2014)
Southern Illinois University Masters Fellow (2012-2013)
Undergraduate thesis research grant, Knox College (2011)

Presentations at Scientific Meetings

Martinez KA, Hikosaka K, Fridley JD. Ecophysiology of deciduous forest invasions: variation in leaf traits home and away. June 2017, NSF/JSPS Research Symposium. Tokyo, Japan.

Teaching Experience

Undergraduate Honors Research Advising	
Lauren Woolhiser, B.S. Syracuse '18	2017-present
General Biology, Syracuse University	
<i>Graduate Teaching Assistant</i>	January 2016 – May 2016
Global Change Biology, Syracuse University	
<i>Graduate Teaching Assistant</i>	August 2015 – December 2015
General Biology	
<i>Graduate Teaching Assistant, Southern Illinois University</i>	August 2013 – May 2014

Other Research and Field Experience

McHenry County Conservation District (Northern Illinois)	
<i>Field Station and Natural Resource Management Intern</i>	May 2011 – August 2011

Assisted with invasive species removal, brush clearing, woody plant identification, rare plant monitoring, bird surveying; obtained herbicide applicator license
 School for Field Studies – Yungaburra, Queensland January 2011 – May 2011
 Took courses in rainforest ecology and management, completed a comprehensive research project, assisted with rainforest corridor restorations
 Green Oaks Term, Knox College March 2010 – May 2010
 Assisted with stewardship of Knox College Biological Field Station (experience with brush clearing, trail maintenance, prairie burns, and invasive species removal), learned plant ID skills

Service Positions and Affiliations

Vice President of Syracuse University Biology Graduate Student Organization	2017-present
Senator – Syracuse University Graduate Student Senate	2017-present
Member of Sigma Xi	2015-present
Vice President of SIUC Plant Biology Graduate Student Organization	2013-2014
President of SIUC Restoration Club	2013-2014
Member of Phi Beta Kappa	2012-present

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