

Susan M. Magnoli

University of Kansas, Kansas Biological Survey
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EDUCATION

- 2018 Ph.D. Michigan State University; Plant Biology, advised by Dr. Jen Lau
2011 M.S. Sonoma State University; Biology, advised by Dr. Hall Cushman
2008 B.S. University of California, Davis; Plant Biology

ACADEMIC APPOINTMENTS

- 2019-present Postdoctoral research associate, University of Kansas. Advised by Dr. James Bever
2019 Postdoctoral research associate, Indiana University. Advised by Dr. Jen Lau

PUBLICATIONS

Lau, J.A., **S.M. Magnoli**, C.R. Zirbel, & L.A. Brudvig (2019). The limits to adaptation in restored ecosystems and how management can overcome them. *Annals of the Missouri Botanical Garden* 104:441-454.

Getman-Pickering, Z., C.P. terHorst, **S.M. Magnoli**, & J.A. Lau (2018) Evolution of increased *Medicago polymorpha* size during invasion does not result in increased competitive ability. *Oecologia* 188:203-212.

Kleinhesselink, A.R., **S.M. Magnoli**, & J.H. Cushman (2014) Shrubs as ecosystem engineers across an environmental gradient: effects on species richness and exotic plant invasion. *Oecologia* 175:1277-1290.

Magnoli, S.M., A.R. Kleinhesselink, & J.H. Cushman (2013) Responses to invasion and invader removal differ between native and exotic plant groups in a coastal dune. *Oecologia* 173:1521-1530.

RESEARCH GRANTS AND SUPPORT

- 2019-2021 NIFA Postdoctoral Fellowship, USDA. *Legume-rhizobia mutualism as a driver of grassland composition and community resistance to invasion* (\$150,670)
2017-2019 Doctoral Dissertation Improvement Grant, National Science Foundation. *The role of rapid adaptation in plant population establishment* (\$20,135)
2011-2018 Paul Taylor Travel Awards, Michigan State University (\$4900)
2011-2016 KBS Summer Research Awards (\$4500)
2010 California Native Plant Society Research Grant (\$600)
2010 Northern California Botanists Research Scholarship (\$1000)
2010 California Native Plant Society Milo Baker Chapter merit scholarship (\$500)
2010 Sonoma State University Research Scholarships (\$900)

FELLOWSHIPS AND AWARDS

- 2019-present USDA NIFA Postdoctoral Fellow, University of Kansas
2017 KBS K-12 Fellow, Kellogg Biological Station, Michigan State University
2016 LTER Research Fellow, Kellogg Biological Station, Michigan State University
2013-2015 NSF GK-12 Fellow, Kellogg Biological Station, Michigan State University
2011-2012 Plant Sciences Recruiting Fellowship, Michigan State University
2008 Department Citation for outstanding performance in Plant Biology, UC Davis
2007 Irwin Segal Summer Research Fellowship in Molecular Biology, UC Davis
2004-2008 University of California Regent's Scholarship (full tuition)

TEACHING EXPERIENCE

- 2016 Graduate Teaching Assistant, Michigan State University. *Plant Systematics*
2015-2016 Graduate Teaching Assistant, Michigan State University. *Ecology lab*
2013-2015 NSF GK-12 Fellow, Kellogg Biological Station, Michigan State University. Taught lessons with teachers in middle and high school science classes, developed curriculum, presented at teacher workshops
2009-2011 Graduate Teaching Assistant, Sonoma State University. *Genetics, evolution, and ecology lab*

PRESENTATIONS/POSTERS

- Magnoli, S.M. Novel plant-microbial interactions: rapid evolution of a legume-rhizobium mutualism in restored prairies. Presented at the Ecological Society of America meeting in New Orleans, LA, August 2018
Magnoli, S.M. Rapid evolution in ecological restorations. Presented at the American Society of Naturalists meeting in Pacific Grove, CA, January 2018
Magnoli, S.M. Rapid evolution in ecological restorations. Presented at the Ecological Society of America meeting in Portland, OR, August 2017
Magnoli, S.M. Microbially-mediated plasticity in native and invasive plants. Presented at the Ecological Society of America meeting in Baltimore, MD, August 2015.
Magnoli, S.M., A.R. Kleinhesselink and J.H. Cushman. Variation in plant response to invasion and removal of a dominant plant invader. Presented at the Ecological Society of America meeting in Portland, OR, August 2012.
Magnoli, S.M., A.R. Kleinhesselink and J.H. Cushman. Community-level impacts of a dominant plant invader on native and exotic vegetation in a coastal dune ecosystem. Presented at the California Native Plant Society, Milo Baker Chapter monthly meeting. June 2011.
Magnoli, S.M. Community-level and facilitative impacts of iceplant in a coastal dune ecosystem. Poster presented at the Northern California Botanists Annual Conference. Chico, CA, January 2011.

PROFESSIONAL EXPERIENCE

- 2010 Field Ecologist, Department of Environmental Science and Policy, UC Davis
2009 Botanist, EDAW|AECOM, Sacramento, CA

MENTORING

- 2017 Andrea Lescoe, *Michigan State University*, Undergraduate Research Apprentice
2016 Balindile Motsa, *Michigan State University*, Undergraduate Research Apprentice
2015 Krista DeCooke, *Michigan State University*, Undergraduate Research Apprentice
2014 Felipe Navarro, *Michigan State University*, Undergraduate Research Apprentice
Sara Carabajal, *Humboldt State University*, NSF REU

OUTREACH ACTIVITIES

- 2018 Organized 2nd Annual Kellogg Biological Station BioBlitz
2018 YWCA TechGyrls Science/Engineering Camp
2018 Barry County Builds: Physics of flight activity
2017 Tour guide for KBS Agriculture and Ecology Tour
2017 Barry County Builds: Build a pollinator activity
2014 MSU Science Festival: "Roses are red, violets are blue, when bees are on flowers, what do they do?"
2012-2014 MSU Girls Math and Science Day: Plant-pollinator interactions
2011 Led California Native Plant Society, Milo Baker Chapter, annual fieldtrip: Coastal dune plant communities

INSTITUTION AND COMMITTEE SERVICE

- 2017 Outreach committee, Kellogg Biological Station
2015-2017 Graduate representative to Kellogg Biological Station faculty meetings
2014 Graduate affairs committee, Kellogg Biological Station
2013 MSU Department of Plant Biology search committee, graduate representative

JOURNAL REVIEWS

Reviewer for the following: American Journal of Botany, The American Naturalist, Basic and Applied Ecology, Evolution, Evolutionary Applications, Functional Ecology, Journal of Vegetation Science, Molecular Ecology, New Phytologist, Oecologia, Trends in Ecology and Evolution