Nicole L. Kinlock

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Education

2013–present Stony Brook University, Stony Brook, NY
Ph. D. candidate, Department of Ecology & Evolution
Advisor: Dr. Jessica Gurevitch

2009–2013 Rochester Institute of Technology, Rochester, NY
Bachelor of Science in Biology, *summa cum laude*

Publications

in press **Kinlock, NL** A meta-analysis of plant interaction networks reveals competitive hierarchies as well as facilitation and intransitivity. *The American Naturalist.*

2019 Beckmann, M, K Gerstner, M Akin-Fajiye, S Ceauşu, S Kambach, **NL Kinlock**, HRP Phillips, W Verhagen, J Gurevitch, S Klotz, T Newbold, PH Verburg, M Winter, and R Seppelt. Conventional land-use intensification reduces species richness and increases production: A global meta-analysis. *Global Change Biology*, 25(6), 1941-1956.

2019 Peng, S, **NL Kinlock**, J Gurevitch, and S Peng. Correlation of native and exotic species richness: a global meta-analysis finds no invasion paradox across scales. *Ecology*, 100(1), p.e02552.

2018 **Kinlock, NL**, L Prowant, EM Herstoff, CM Foley, M Akin-Fajiye, N Bender, M Umarani, HY Ryu, B Şen, and J Gurevitch. Explaining global variation in the latitudinal diversity gradient: Meta-analysis confirms known patterns and uncovers new ones. *Global Ecology and Biogeography*, 27:125–141.

2015 **Kinlock, NL**, BY Schindler, and J Gurevitch. Biological Invasions in the Context of Green Roofs. *Israel Journal of Ecology and Evolution*, 62 (1-2): 32–43.

Research Experience

2017–present **Applied Biomathematics, Inc.**
Research Associate
Leading projects on the population and community ecology of species of interest to inform conservation.

2017–2018 **Brookhaven National Laboratory**, Environmental & Climate Sciences Department
Research Assistant (Advisor: Dr. Alistair Rogers)

Analyzed the elemental content of leaf samples from the Arctic and tropics.

2018 **Stony Brook University**, Department of Ecology & Evolution
Graduate Research Assistant (Advisor: Dr. Ross Nehm)
Developed assessment materials for undergraduate biology students to measure prior knowledge and learning about matter and energy movement and transformation.

2012 **Rochester Institute of Technology** in assoc. with the Great Lakes Innovative Stewardship Through Education Network
Undergraduate Liaison (Advisors: Drs. A. Christy Tyler and John Waud)
Designed and conducted wetland mitigation, invasive species management, and community outreach projects.

2011 **Clarkson University**, Research Experience for Undergraduates Program
Summer Research Fellow (Advisor: Dr. Michael Twiss)
Measured plankton dynamics in the St. Lawrence River in support of a two-dimensional ecosystem model.

Presentations

2018 **Kinlock, NL** and J Gurevitch. "Invasive status does not dictate community-level interactions in an interaction network of woody plants." Ecological Society of America Annual Meeting, New Orleans, L.A. (Poster)

2017 **Kinlock, NL** and J Gurevitch. "Experimental determination of an invaded old field plant interaction network." Early Career Researcher Symposium, Brookhaven National Laboratory, Upton, NY. (Poster)

2017 **Kinlock, NL** and J Gurevitch. "Characterizing the structure of plant interaction networks." Ecological Society of America Annual Meeting, Portland, O.R. (Poster)

2017 **Kinlock, NL**. "A meta-analysis of network structure in plant-plant interaction communities." Society for Research Synthesis Methodology Annual Meeting, Montreal, Q.C. (Oral presentation)

2017 **Kinlock, NL**. "Community structure of an invaded old field plant interaction network." Yale-Myers Summer Seminar Series, Eastford, C.T. (Public talk)

2017 **Kinlock, NL**. "Characterizing the structure of plant interaction networks." Department of Ecology & Evolution Retreat, Stony Brook, NY. (Oral presentation)

2013 **Kinlock, NL** and AC Tyler. "Does the history of small, urban and suburban wetlands influence the biodiversity of aquatic invertebrate communities?" College of Science Seminar at RIT, Rochester, NY. (Oral presentation)

2012 **Kinlock, NL** and AC Tyler. "Analyzing the effectiveness and efficiency of different methods for invasive *Typha* spp. removal in created wetlands." Summer Undergraduate Research Symposium at RIT, Rochester, NY. (Oral presentation)

2011 **Kinlock, NL**, S Loftus, N Marshall, J Skufca, and M Twiss. "Comparison of plankton dynamics in nearshore and main channel areas of the St. Lawrence River." Summer Sym-

posium on Undergraduate Research Experiences at Clarkson University, Potsdam, NY. (Oral presentation)

Teaching and Mentorship

Instructor

Stony Brook University

2019 Biometry **graduate level course**
2018 Plant Ecology (guest lecturer for one month)
2017, 2016 Introduction to R (two-day workshop)

Teaching Assistant

Stony Brook University

2018 Ecology
2017, 2016 Biometry **graduate level course**
2016, 2014 Fundamentals of Biology: Organisms to Ecosystems
2015 Landscape Ecology Laboratory
2015 Plant Diversity
2014 Applied Ecology and Conservation Biology Laboratory
2013 Fundamentals of Scientific Inquiry in the Biological Sciences I

Undergraduate Mentor

2017 Zambuto, M.A., **Kinlock, NL**, Gurevitch, J. "Comparing Intra- and Interspecific Competition of Spotted Knapweed and Orchardgrass." Undergraduate Research and Creative Activities Research Symposium. Stony Brook, NY. (Mentored student poster presentation)

Honors and Awards

2017 Lawrence B. Slobodkin Award for Research in Ecology (**$550**)
2015 Lawrence B. Slobodkin Award for Research in Ecology (**$750**)
2014 Tinker Foundation Field Research Grant (**$1,997**)
2014 Departmental Excellence Research Award (**$1,000**)
2013 Graduate Council Fellowship, Stony Brook University (**$125,000**) *Awarded annually to ten incoming doctoral students at Stony Brook University.*
2013 Recruitment Fellowship, Stony Brook University (**$2000**)
2013 John Wiley Jones Award for Outstanding Students in Science (**$250**)
2013 Research Scholars Program Award

Professional Service

Reviewer for *Ecology Letters*, *Scientific Reports*, *Journal of Biogeography*, *Ecology and Evolution*, *Ecosphere*, and *Israel Journal of Ecology and Evolution*.
Member of the Ecological Society of America

Additional Experience

2014 **Tropical Plant Systematics**, Organization for Tropical Studies, Costa Rica
Five-week graduate course on the phylogeny and identification of neotropical plants with a research component.

2013–2014 **Improvisation for Scientists**, Alan Alda Center for Communicating Science, Stony Brook University
Weekly workshop to improve communication skills, tailored to scientists.

2012–2013 **Research Scholars Program**, Rochester Institute of Technology (Advisor: Dr. A. Christy Tyler)
Researched and wrote an undergraduate thesis: characterizing aquatic macroinvertebrate communities in small urban and suburban wetlands.

Skills

Programming languages R, Python, C++, bash, JAGS, LaTeX
High performance cluster computing
Git (GitHub/nlkinlock)
Proficient in French