

SAMNIQUEKA HALSEY

PhD Candidate

SamniquekaHalsey.com

Program in Ecology, Evolution, and Conservation Biology

University of Illinois-Urbana/Champaign

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ACADEMIC TRAINING

University of Illinois	Urbana/Champaign, IL
<i>Ph.D. in Ecology, Evolution & Conservation Biology, Expected May 2019</i>	
<i>Graduate Minor in Teaching</i>	
Advisor: Dr. James Miller	
Chicago State University	Chicago, IL
<i>Masters of Science in Biological Sciences, 2013</i>	
Advisor: Dr. Timothy Bell	
Northeastern Illinois University	Chicago, IL
<i>Bachelors of Science in Biology, 2011</i>	

RESEARCH EXPERIENCE

University of Notre Dame	Notre Dame, IN
<i>Research Assistant I</i>	
April 2016- August 2016	
Morton Arboretum	Lisle, IL
<i>Conservation Biology Research Assistant I</i>	
January 2014- December 2015	
<i>Conservation Biology Intern</i>	
May 2012-December 2013	
Chicago State University	Chicago, IL
<i>Graduate Assistant</i>	
Sept 2012-June 2013	
Indiana Dunes State Park & National Lakeshore	Porter, IN
<i>Data Collection Volunteer</i>	
June 2012 & June 2013	
Peggy Notebaurt Nature Museum	Chicago, IL
<i>Butterfly Lab Volunteer</i>	
July 2010-December 2010	
University Of Colorado	Boulder, CO
<i>Field Assistant</i>	
May 2010-June 2010	

TEACHING EXPERIENCE

University of Illinois	Urbana/Champaign, IL
<i>Teaching Assistant [Course Development]</i>	
~ NRES 103- The Great Lakes: Freshwater Wonder at Risk	
August 2017-December 2017	
<i>Teaching Assistant</i>	
~ IB 105-Environmental Biology	
January 2018-May 2018	
~ IB 104- Animal Biology	
August 2017-December 2017	
~ NRES 456-Integrative Ecosystem Management	
January 2017-May 2017	
~ IB 105-Environmental Biology	
August 2016-December 2016	
~ NRES 456-Integrative Ecosystem Management	
January 2015-May 2015	
~ IB 105- Environmental Biology	
October 2014- December 2014	
College of Lake County	Vernon Hills, IL
<i>Adjunct Instructor</i>	
January 2014- May 2014	
~ BIOL 140- Environmental Biology	
Chicago International Charter School	Chicago, IL
<i>Substitute Teacher</i>	
January 2012-June 2014	

PROFESSIONAL SOCIETIES

Ecological Society of America
 Society for Conservation Biology
 ACM Special Interest Group on High
 Performance Computing

PEER REVIEW

Ad Hoc Reviewer:
 AoB PLANTS

PUBLICATIONS

Referred Journal articles (n=5)

- Halsey SJ**, Cinel S, Wilson J, Bell TJ, Bowles M (2017) Predicting Population Viability of a Monocarpic Perennial Dune Thistle Using Individual-Based Models. *Ecological Modelling*. 359:363-371
- Halsey SJ**, Bell TJ, Bowles M (2017) Initial transplant size and microsite influences transplant survivorship and growth of a threatened dune thistle. *Ecological Restoration*. 35(1): 52-59
- Nelson SB, Coon JJ, Duchardt CJ, Fischer JD, **Halsey SJ**, Kranz AJ, Parker CM, Schneider SC, Swartz TM, Miller JR. (2017) Patterns and mechanisms of invasive plant impacts on North American birds: a systematic review. *Biological Invasions*. 19(5):1547-1563
- Halsey SJ**, Bell TJ, McEachern K, Pavlovic N. (2016) Population-specific life histories in restoration contribute to metapopulation viability. *Ecosphere*. 7(11):e01536
- Halsey SJ**, Bell TJ, McEachern K, Pavlovic N. (2015) Comparison of reintroduction and enhancement effects on metapopulation viability. *Restoration Ecology*. 23(4):375-384.

Unrefereed (n=2)

- Bowles M, **Halsey SJ**, McBride J, Pavlovic N (2015) Grassland-forest transition in the Prairie Peninsula region of northwest Indiana as recorded by the U.S. Public Land Survey (1829-1835). Report to the Indiana Department of Natural Resources, Lake Michigan Coastal Program. The Morton Arboretum, Lisle, Illinois
- Halsey SJ** (2013) A metapopulation approach to examining the effect of restorations on population viability in the Indiana Dunes (Masters' thesis) Chicago State University. Chicago, IL.

In Review (n=1)

- Halsey SJ**, Allan, BF, Miller JR. (In Review) The role of *Ixodes scapularis*, *Borrelia burgdorferi* and wildlife hosts in Lyme disease prevalence: A comprehensive review. *Ticks and Tick-borne diseases*.

In Prep (n=4)

- Halsey SJ**, Miller JR. (In Prep) A spatial agent-based model of the disease vector *Ixodes scapularis* to explore tick-host associations. *Ecological Modelling*.
- Halsey SJ**, Miller JR. (In Prep) The role of biodiversity in the maintenance of *Ixodes scapularis* population dynamics: a meta-analysis
- Halsey SJ**, Stewart-Merrill TE. (In Prep) Reconciling the Dilution Effect Debate.
- Bowles M, **Halsey SJ**, McBride J, Pavlovic N. (In Prep) Grassland-forest transition in the Prairie Peninsula region of northwest Indiana.

INVITED TALKS/PANELS

- Halsey SJ**, Solorzano Lowell, K, Perrin-Stowe T. Fostering a more diverse environment in Ecology and Evolution. **Midwest Ecology and Evolution Conference**, March 2017, Urbana, IL. (panel)

CONFERENCE PRESENTATIONS

- Pavlovic NB, Bowles MS, **Halsey SJ**, McBride J. Patterns and processes controlling the pre-settlement vegetation in the landscape of the southern tip of Lake Michigan. **U. S. Regional Association of the International Association for Landscape Ecology**, April 2018, Chicago, IL. (abstract accepted)

- Halsey SJ**, Miller JR. Exploring tick-host associations using a spatially and temporally explicit agent-based model. **Ecological Society of America**, August 2017, Portland, OR. (oral presentation)
- Halsey SJ**, Miller JR. Host diversity and population dynamics of *Ixodes scapularis* populations: a meta-analysis. **Ecological Society of America**, August 2016, Ft. Lauderdale, FL. (poster presentation)
- Halsey SJ**, Bell TJ, Cinel S, Wilson J, Bowles M. Predicting Population Viability of a Monocarpic Perennial Dune Thistle Using Individual-Based Models. **North American Congress for Conservation Biology**, July 2016, Madison, WI. (oral presentation)
- Halsey SJ**, Miller JR. Using Individual-based modelling to depict tick-environment-host associations. **Midwest Ecology and Evolution Conference**, March 2016, Oxford, OH. (oral presentation)
- Halsey SJ**, Miller JR. Using modelling to understanding Lyme disease ecology. **Community of Scholars Research Symposium**, March 2016, Urbana, IL. (oral presentation)
- Halsey SJ**, Miller JR. A Community modelling approach in understanding the ecology of Lyme disease. **18th Annual GEEB Symposium**, February 2016, Urbana, IL. (oral presentation)
- Halsey SJ**, Miller JR. Modeling the relationships between ticks, hosts and the environment. **Recruitment Weekend Lighting talks for the Department of Natural Resources and Environmental Science**, February 2016, University of Illinois-Urbana/Champaign, Urbana, IL. (oral presentation)
- Halsey SJ**, Bell TJ, McEachern AK. A Metapopulation Approach to Examining Population Viability in the Indiana Dunes. **Ecological Society of America**, August 2013, Minneapolis, MN. (oral presentation)
- Halsey SJ**, Bell TJ, McEachern AK. A Metapopulation Approach to Examining Population Viability in the Indiana Dunes. **Indiana Dunes National Lakeshore Science Conference**, October 2011, Gary, IN. (oral presentation)
- Halsey SJ**. A Metapopulation Approach to Examining Population Viability in the Indiana Dunes (Progress Report). **Chicago State University Dept. of Biological Sciences Research Seminar Series, Chicago State University**, 2012, Chicago IL. (oral presentation)
- Jacobs KA, Kirt S, Jackson L, **Halsey SJ**. Prairie Education, Research and Management at Chicago State University. **Schulenburg Prairie symposium at the Morton Arboretum**, September 2012, Lisle IL. (poster presentation)

HONORS & AWARDS

Diversify Higher Education Faculty in Illinois Fellowship		2017-2018
~ State-level support plus tuition waiver: Total \$13,000		
Ford Foundation Dissertation Fellowship (Honorable Mention/Alternate)		2017
Fall 2016 Teacher ranked as Excellent		
Computational & Data Science Fellowship	ACM SIGHPC/Intel	2016-2019
~ International-level support for personal and research expenses. Total: \$45,000		
PEEC Travel Grant	University of Illinois U/C	2016
PEEC Summer Research Grant	University of Illinois U/C	2016
Graduate College Fellowship	University of Illinois U/C	2014-2016
~ University-level two-year support plus tuition waiver: Total \$40,000		
Biological Sciences Graduate Assistantship	Chicago State University	2012-2013
~ Department-level support plus tuition waiver: Total \$10,800		

SERVICE

JUNIOR LEAGUE OF CHAMPAIGN/URBANA	Urbana/Champaign, IL
~ Assistant Chair Kids in the Kitchen	May 2017-Present
~ Member	September 2016-Present
UNIVERSITY OF ILLINOIS	Urbana/Champaign, IL
<i>STEM-Fem Alliance (Student organization)</i>	November 2014-Present

~ President April 2017-Present
~ Outreach Coordinator November 2014- April 2017
Graduates in Ecology and Evolutionary Biology (Student Organization)
~ Outreach Coordinator May 2017- Present
~ Member
CHICAGO STATE UNIVERSITY Chicago, IL
Friend of the Prairie (Student organization) September 2011-May 2013
~ Vice-President

PROFESSIONAL DEVELOPMENT

Leadership Training	Junior Leagues U/C	2017
Diversity in Higher Education Course	University of Illinois U/C	2017
College Teaching Course	University of Illinois U/C	2016
Graduate Academy for College Teaching	University of Illinois U/C	2015
CLC Professional Development Course	College of Lake County	2014

~ Not Just for English Class: How Faculty in All Disciplines Can Use Writing Effectively in Their Courses.