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**Certified Senior Ecologist, Ecological Society of America**  
**Fellow, Ecological Society of America**  
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**Erdős number: 4**

***Education***

- 1982** – B.A. (East Asian studies/Asian philosophy), Yale University.
- 1986** – Ph.D. (Ecology and evolutionary biology), Brown University.

***Honors and Awards***

- 1982** – University Fellowship, Brown University
- 1992** – Presidential Faculty Fellow, U.S. National Science Foundation
- 2004** – Eminent Ecologist, Kellogg Biological Station
- 2008** – Distinguished Visiting Professor, University of Miami
- 2008** – Distinguished Ecologist, Michigan Technological University
- 2010** – Ledermann Lecturer in Natural History and Conservation Biology, University of Rhode Island
- 2012** – Elected Fellow, Ecological Society of America
- 2014** – Human Diversity Award (for Harvard Forest Summer Undergraduate Research Program), Organization of Biological Field Stations
- 2016** – Edward P. Bass Distinguished Visiting Environmental Fellow, Yale Institute for Biospheric Studies (for spring semester 2016)
- 2016** – Presidential International Fellowship (Visiting Professor), Chinese Academy of Sciences.
- 2016** – Forest Champion Award (to the Wildlands & Woodlands Team), New England Forestry Foundation

***Positions Held***

- February 1980 - May 1980** – Assistant Curator in Invertebrate Zoology, Peabody Museum of Natural History, Yale University.
- June 1980 – May 1982** – Research Assistant, Yale University.
- September 1983 – May 1986** – Teaching Assistant, Brown University (*assisted in: Invertebrate Zoology, Field Ecology, Plant Diversity [Taxonomy], and Introductory Ecology*)
- July 1986 – July 1988** – Post-doctoral Research Associate and Lecturer, Section of Ecology and Systematics and Ecosystems Research Center, Cornell University (*courses taught: Introduction to Plant Ecology, Laboratory for Plant Ecology, Plant Ecology seminar*).

**September 1988 – August 1989** – Post-doctoral Research Associate, Organization for Tropical Studies, Costa Rica, and Department of Biology, Tulane University.

**September 1989 – August 1990** – Visiting Assistant Professor, Department of Biology, Swarthmore College (*courses taught: Introductory Ecology, Tropical Ecology and Conservation, Introductory Biology [ten lectures plus one laboratory section]*).

**September 1990 – June 1996** – Assistant Professor, Department of Biological Sciences, Mount Holyoke College (*courses taught: Ecology & Evolution, Advanced Ecology, Conservation Biology, Local Flora, Biomechanics, Biostatistics, Introduction to Environmental Studies, Senior Seminar in Environmental Decision Making.*).

**July 1993 – June 1996** – Marjorie Fisher Assistant Professor of Environmental Studies, Mount Holyoke College.

**November 1993 – June 2003** – Member, Five College Graduate Faculty, University of Massachusetts, Amherst, Massachusetts, Departments of Natural Resources Conservation, and Organismic and Evolutionary Biology.

**July 1996 – June 2001** – Marjorie Fisher Associate Professor of Environmental Studies and Associate Professor of Biological Sciences, Mount Holyoke College (tenured).

**July 2001 – June 2003** – Marjorie Fisher Professor of Environmental Studies and Professor of Biological Sciences, Mount Holyoke College.

**September 2001 – June 2002** – Charles Bullard Fellow, Harvard Forest, Harvard University.

**June 2002 – present** – Senior Research Fellow, Department of Organismic and Evolutionary Biology, Harvard University, and Senior Ecologist, Harvard Forest.

**November 2006 – present** – Adjunct Research Professor, Departments of Biology (2006 – present) and Environmental Conservation (2010 – 2016), University of Massachusetts.

**January – May 2016** – Edward Bass Distinguished Visiting Environmental Fellow, Yale Institute for Biospheric Studies and Department of Ecology and Evolutionary Biology, Yale University.

**June 2016 – present** – Adjunct Research Professor, Tropical Forests and People Research Centre, Faculty of Arts, Business and Law, University of the Sunshine Coast, Marroochydore, Queensland, Australia.

**January 2018 – present** – Affiliate, Gund Institute for the Environment, University of Vermont, Burlington, Vermont, USA

### *Administrative Experience*

**July 1991 – June 1993 and July 1996 – June 1999** – Chair, Program in Environmental Studies, Mount Holyoke College.

**August 1996 – August 2000** – Program Director, Mount Holyoke College's Howard Hughes Medical Institute Undergraduate Biological Sciences Education Program.

**July 1998 – June 2001** – Director, Mount Holyoke College Center for Environmental Literacy.

**September 1998 – June 2001** – Chair, Mount Holyoke Science Complex Project (in charge of design and construction of a \$40 Million, 4 building, Unified Science Complex).

**July 1999 – June 2001** – Sponsored Research Officer and Chair of the Science Advisory Board (Chair of Science Department Chairs/Associate Dean of Science), Mount Holyoke College.

**August 2004 – present** – Program Director, Harvard Forest Summer Research Program.

### *International Advisory Boards*

**September 2012 – present** – Southwest Experimental Garden Array (SEGA): Chair of the Data Management Committee (2012 – 2016); Member of the Scientific Advisory Committee (2015 – present).

**February 2015 – present** – Biodiversity Exploratories (Germany): Chair of Advisory Board.  
**July 2015 – present** – Luquillo LTER (Puerto Rico): Member of the Advisory Committee.  
**March 2016 – present** – Fraser Island Research Station Advisory Committee, University of the Sunshine Coast, Queensland, Australia.  
**October 2016 – present** – Environmental Data Initiative (EDI); Chair of the Advisory Board

### *Journal Editorships*

**1995 – 2004** – Board of Editors, *American Journal of Botany*.  
**1995** – Guest Editor, *Ecological Applications* (special section on Bayesian statistics)  
**1998 – 2001** – Founding Editor, *Ecological Archives*  
**2000** – Guest Editor, *Restoration Ecology* (special section on Mangrove Restoration)  
**2005 – 2008** – Board of Editors, *Ecology Letters*.  
**2002 – 2010** – Associate Editor-in-Chief, *Ecology*  
**2002 – 2008** – Associate Editor-in-Chief, *Ecological Monographs*  
**2009 – 2015** – Editor-in-Chief, *Ecological Monographs*  
**2012 – 2017** – Board of Editors, *PeerJ*  
**2018** – Guest Editor, *Forests* (special issue on causes and consequences of biodiversity in forest ecosystems)  
**2081 – present** – Senior Editor, *Methods in Ecology and Evolution*

### *Research Grants*

**September 1983** – University Fellowship, Brown University.  
**July 1984** – Sigma Xi Grant-in-Aid of research, “Morphological plasticity in *Salicornia europaea*: the role of conspecific density and intraspecific competition for light.”  
**May 1985** – American Museum of Natural History: Theodore Roosevelt Memorial Fund for Research on North American Fauna, “Multiple host use over a temporal gradient by the case-bearing moth, *Coleophora caespititiella* (Zeller).”  
**August 1986** – Hatch Grant NY(C)-183419, “Plant architecture and the evolution of self-thinning in plant monocultures,” 3 years.  
**March 1987** – Smithsonian Institution travel grant, National Museum of Natural History, Caribbean Coral Reef Ecosystem Project, “An experimental study of interactions between mangroves and mangrove root-fouling organisms.”  
**June 1987** – EARTHWATCH (Center for Field Research), “An experimental study of interactions between mangrove trees and their intimately associated epifauna,” 1 year (1/88-12/88).  
**November 1987** – Smithsonian Institution Fellowship, National Museum of Natural History, Caribbean Coral Reef Ecosystem Project, “Interactions between mangrove plants and their associated fauna.”  
**January 1988** – National Geographic Society, “Interactions between mangrove trees and their intimately-associated epifauna.”  
**November 1988** – Smithsonian Institution Fellowship, National Museum of Natural History, Caribbean Coral Reef Ecosystem Project, “Potential facilitations between sponges and red mangroves (*Rhizophora mangle*).”  
**January 1990** – Swarthmore College Committee on Faculty Research, “Interactions between mangroves and their associated fauna.”  
**July 1990** – International Business Machines Corporation (IBM), “Biology Curriculum Innovation Study (BioCIS)” (development of instructional software for biology and environmental studies). Co-principal investigator, 2 years, \$125,000.

- November 1990** – Howard Hughes Medical Institute Research Grant, “Population Biology of spring ephemeral communities across a successional sequence in northern New England,” 1 year.
- December 1990** – Mount Holyoke College Faculty Research Grant, “Continuation of long-term demographic studies of mangrove-root epibenthic communities,” 1 year.
- December 1990** – Smithsonian Institution Fellowship, National Museum of Natural History, Caribbean Coral Reef Ecosystem Project, “Interactions between mangroves and root-fouling epibionts.”
- April 1991** – Howard Hughes Medical Institute Research Grant, “Reproductive phenology and seed dispersal of deciduous forest understory plant communities.”
- May 1991** – National Science Foundation, “Animal-plant interactions in mangrove communities,” BSR-91-07195, 3½ years (12/1991-5/1995), \$162,000.
- May 1992** – National Science Foundation, Presidential Faculty Fellow Award, “Marine Environmental Ecology: Teaching, Research and Conservation,” DEB-92-53743, 5 years (9/1992-9/1997), \$500,000.  
+ **REU Supplement:** DEB 97-41904; \$5,000.
- May 1996** – Howard Hughes Medical Institute, “Undergraduate education at Mount Holyoke College,” HHMI 71196-505002, 4 years (8/1996-8/2000), \$900,000.
- October 1996** – Orchards Golf Course, South Hadley, Massachusetts, “Environmental impact assessment of the golf course irrigation project on the Stony Brook watershed,” 1 year (10/1996-9/1997), \$6,700.
- May 1998** – National Science Foundation, “Inquiline communities in changeable pitchers: do nutrients link community assembly to dynamic habitats?” DEB 98-05722, 3½ years (9/98-2/02), \$149,000.  
+ **REU Supplement:** DEB 99-42207; \$5,000.  
+ **REU Supplement:** DEB 00-xxxxx; \$4,432.  
+ **REU Supplement:** DEB 01-15145; \$6,000.
- May 1999** – Massachusetts Heritage and Endangered Species Program, “Ant species diversity in Massachusetts bogs,” 1 year (5/99-4/00), \$2,931.
- May 1999** – Mount Holyoke College, Ellen P. Reese Fund, “Restoration ecology of Hawley Bog,” 1 year (5/99-4/00), \$3,000.
- September 1999** – Mellon Foundation, “Center for Environmental Literacy at Mount Holyoke College,” 3 years (9/99-8/02), \$300,000.
- May 2000** – Mount Holyoke College, Ellen P. Reese Fund, “Seed ecology of the flora of Hawley Bog,” 1 year (5/00-4/01), \$3,000.
- May 2000** – Mount Holyoke College, Faculty Grant, “Leaf trait relationships in wetlands: do global patterns apply?” 1 year (5/00-4/01), \$2,500.
- May 2000** – Massachusetts Natural Heritage and Endangered Species Program, “Ant species diversity in bogs of Martha’s Vineyard and Nantucket,” 1 year (5/99-4/00), \$338.
- July 2000** – National Science Foundation, “Biocomplexity: incubation activity: a synthetic approach to phytotelmata communities,” (co-PI with Tom Miller [FSU] and Nicholas Gotelli [UVM]), DEB 00-83617, 2 years (8/00 - 7/02), \$92,034.
- March 2001** – Charles Bullard Fellowship, Harvard University, 1 year (9/01-5/02), \$30,000.
- October 2002** – National Science Foundation, SGER DEB 03-01361, “Mechanisms of community re-assembly after a catastrophic fire,” (co-PI with Nathan Sanders [Humboldt State], Erik Jules [Humboldt State], and Nicholas Gotelli [UVM]), 1 year (1/03-12/03), \$8,000 sub-award of \$50,000 total.
- November 2002** – National Science Foundation, “Effects of nutrient stress on a co-evolved food web,” DEB 02-35128, 3 years (4/1/2003-3/31/2006), \$322,466.

- + **REU Supplement:** DEB 04-22750; \$7,347.
- + **REU Supplement:** DEB 05-20792; \$7,000.
- + **RET Supplement:** DEB 05-28625; \$10,560.
- December 2002** – Harvard Center for the Environment, “Ecological and environmental impacts of the extinction of core species,” 2 years (12/3/2002 - 11/1/2004), \$46,000.
- November 2003** – National Science Foundation, “FSML: Infrastructure for whole-plant biology and experimental plant ecology at the Harvard Forest,” DBI 03-30605, 2 years (12/15/2003-12/14/2005), \$132,148.
  - + **REU Supplement:** DEB 04-22745; \$7,674.
  - + **REU Supplement:** DEB 05-20794; \$10,005.
  - + **REU Supplement:** DEB 06-18448; \$10,691.
- March 2004** – National Science Foundation, “Nutrient analysis equipment for community, ecosystem, hydrological, and physiological research at Harvard Forest,” DBI 04-00759, 3 years (4/1/04-3/31/07), \$61,810.
- March 2005** – National Science Foundation, “REU Site: Harvard Forest Program in Forest Ecology: Multi-scale investigations of a forested ecosystem in a changing world,” DBI 04-52254, 5 years (3/8/2005 -3/7/2010), \$732,042.
  - + **REU Evaluation Supplement:** DEB 08-12997; \$13,606.
- November 2005** – National Science Foundation, “Moths, ants, and carnivorous plants: the spatial dimension of species interactions,” DEB 05-41680, 5 years (3/1/2006 - 2/28/2011), \$585,000.
  - + **REU Supplement:** DEB 07-22588; \$7,500.
  - + **RAHSS Supplement:** DEB 08-02665; \$5,692.
  - + **RET Supplement:** DEB 08-16508; \$10,000.
  - + **RET Supplement:** DEB 09-02592; \$10,000.
  - + **REU Supplement:** DEB 10-25362; \$7,000.
  - + **REU Supplement:** DEB 11-10434; \$7,000.
- May 2006** – National Science Foundation, “LTER-IV: Integrated studies of the drivers, dynamics, and consequences of landscape change in New England,” (co-PI with David R. Foster [PI], Kathleen Donohue, J. William Munger, & Steven Wofsy), DEB 06-20443, 6 years (10/1/2006 - 9/30/2012), \$4,920,000.
- May 2007** – Massachusetts Natural Heritage and Endangered Species Program, “Ants of Massachusetts,” 1 year (5/1/2007 – 4/31/2008), \$2,000.
- May 2007** – Nantucket Biodiversity Initiative, “Ants of Massachusetts,” 1 year (5/1/2007 – 4/31/2008), \$1,000.
- May 2007** – Conservation Research Foundation, “Ants of Massachusetts,” 1 year (5/1/2007 – 4/31/2008), \$4,000.
- May 2007** – Harvard University, Museum of Comparative Zoology, Arthur M. Green Fund for Research, “Ants of Massachusetts,” 1 year (5/1/2007 – 4/31/2008), \$3,132.
- October 2007** – Department of Energy, “Impacts of elevated temperature on ant species, communities and ecological roles at two temperate forests in eastern North America,” (co-PI with Robert Dunn [PI], Nathan Sanders, & Nicholas Gotelli), DE-FG02-08ER64510, 4 years (1/1/2008 – 12/31/2011), \$3,029,934 (Harvard sub-award : \$1,322,000).
- September 2008** – Department of Energy, “Effects of warming on tree species’ recruitment in deciduous forests of the eastern United States,” (co-PI with Jerry Melillo [PI], Jim Clark, & Jacqueline Mohan), 4 years (1/1/2008 – 12/31/2011), (Harvard Sub-award: \$292,151).

- February 2009** – Department of Energy, “Improving forecasts of species responses to climate change: hierarchical Bayesian analysis of tree distributions across space and time,” NICCR, 2 years (4/1/2009 – 3/1/2011), \$163,145
- March 2009** – National Science Foundation, “Dissertation research: Testing the effects of priors on prediction error in Bayesian demographic models,” (Doctoral Dissertation Improvement Grant of Ph.D. student Sydne Record), 1 year, (6/1/2009 – 5/31/2010), DEB 09-09604, \$12,715.
- September 2009** – National Science Foundation, “FSML: Infrastructure for molecular and microbial ecology at the Harvard Forest,” DBI 09-30516, 2 years (9/15/2009 – 9/14/2011), \$348,259.  
 + **REU Supplement:** DEB 11-11158; \$22,718.  
 + **REU Supplement:** DEB 12-39937; \$13,938.
- May 2010** – National Science Foundation, “REU Site: Harvard Forest Summer Research Program in Forest Ecology 2010-2014: Ecological data-model fusion and environmental forecasting for the 21<sup>st</sup> century,” DBI 10-03938, 5 years (6/1/2010 – 5/31/2015), \$524,612.  
 + **ROA Supplement:** DEB 11-07917; \$24,998.
- September 2010** – NASA, “GCCE: Data-model fusion and forecasting 21<sup>st</sup>-century environmental change in northeastern North America,” NNX10AT52A, 3 years (12/1/2010-11/31/2013), \$420,715.
- September 2010** – USDA Forest Service, “Harvard Forest wood energy demonstration project,” Northeastern Area State and Private Forestry, 3 years (10/1/2010-9/30/2014), \$200,000.
- January 2011** – LTER Network Office, “LTER Synthesis Working Group: State changes and threshold dynamics,” 1 year (1/1/2011 – 12/31/2011), \$12,000.
- April 2011** – Massachusetts Clean Energy Center, Commonwealth Wind Incentive Program, “Harvard Forest wind turbine project,” 21 months (11/1/2010 – 8/1/2012), \$44,000.
- September 2011** – National Science Foundation, “Dimensions of Biodiversity: Collaborative Research: The climate cascade: functional and evolutionary consequences of climatic change on species, trait, and genetic diversity in a temperate ant community,” DEB 11-36646, 4 years (1/1/2012 – 12/31/2015), \$614,559.
- June 2012** – National Science Foundation, “FSML: Walk-up towers for research, education, communication, and outreach at the Harvard Forest,” DBI 12-24437, 2 years (9/1/2012 – 8/31/2014), \$347,764.  
 + **RAHSS Supplement:** DBI 13-41121; \$5,479.  
 + **REU Supplement:** DBI 13-41122; \$13,188.  
 + **REU Supplement:** DBI 14-46653; \$12,742.  
 + **REU Supplement:** DBI 15-35283; \$10,748.
- July 2012** – National Science Foundation: “Collaborative Research: Forecasting and forestalling tipping points in an aquatic ecosystem,” DEB 11-44056, 3 years (9/1/2012 – 8/31/2015), \$193,518.  
 + **REU Supplement:** DEB 15-18653; \$6,250
- July 2012** – National Science Foundation, “Harvard Forest LTER V: New science, synthesis, scholarship, and a strategic vision for society,” DEB 12-37491, 6 years (10/1/2012 – 9/31/2018), \$5,880,000 (co-PI with David R. Foster [PI]).
- February 2015** – National Science Foundation, “REU Site: A forest full of Big Data: the Harvard Forest Summer Research Program in Ecology 2015-2019,” DBI 14-59519, 5 years (3/1/2015 – 2/29/2020), \$776,713.
- May 2015** – National Science Foundation, “SI2-SSI: Collaborative Research: Bringing End-to-End Provenance to Scientists,” ACI 14-50277, 3 years (5/1/2015 – 4/31/18), \$1,422,728.

**December 2015** – VolkswagenStiftung, “GeoBio-Interactions: contributions to climatic change of the relations between activities of red wood ants (*Formica rufa*-group) and tectonic processes,” 2 years (1/1/2016-12/31/2017), €92,800.

**January 2016** – Chinese Academy of Sciences, Presidential International Fellowship Initiative. 2 months (8/15/2016-10/15/2016), ¥100,000.

**Output: Scientific and technical books; Peer-reviewed journal articles; Book chapters, technical reports, and scientific essays; Creative writing; Exhibitions of photography, art, and architecture; Book reviews; and Meeting abstracts**

*Scientific and technical books*

- 1 Gotelli, N. J. & A. M. Ellison. 2004/2012. *A primer of ecological statistics* (1<sup>st</sup> and 2<sup>nd</sup> editions). Sinauer Associates, Sunderland, Massachusetts, USA.
- 2 Ellison, A. M., N. J. Gotelli, E. J. Farnsworth, & G. D. Alpert. 2012. *A field guide to the ants of New England*. Yale University Press, New Haven, Connecticut, USA.
- 3 Shavit, A. & A. M. Ellison (editors). 2017. *Stepping in the same river twice: replication in biological research*. Yale University Press, New Haven, Connecticut, USA.
- 4 Ellison, A. M. & L. Adamec (editors). 2018. *Carnivorous plants: physiology, ecology, and evolution*. Oxford University Press, Oxford, UK.
- 5 Ellison, A. M. & N. J. Gotelli. **under contract**. *Scaling Sarracenia*. Princeton University Press (Monographs in Population Biology), Princeton, New Jersey, USA.

*Peer -reviewed journal articles*

- 1 Ellison, A. M. & L. W. Buss. 1983. A naturally occurring developmental synergism between the cellular slime mold, *Dictyostelium mucoroides* and the fungus, *Mucor hiemalis*. *American Journal of Botany* 70: 298-302.
- 2 Metcalfe, W. S., A. M. Ellison, & M. D. Bertness. 1986. Survivorship and spatial development of *Spartina alterniflora* Loisel. (Gramineae) seedlings in a New England salt marsh. *Annals of Botany* 58: 249-258.
- 3 Ellison, A. M., M. D. Bertness, & T. Miller. 1986. Seasonal patterns in the belowground biomass of *Spartina alterniflora* Loisel. (Gramineae) across a tidal gradient. *American Journal of Botany* 73: 1548-1554.
- 4 Bertness, M. D., C. Wise, & A. M. Ellison. 1987. Consumer pressure and seed set in a salt marsh perennial plant community. *Oecologia* 71: 190-200.
- 5 Ellison, A. M. 1987. Effects of competition, disturbance, and herbivory on *Salicornia europaea*. *Ecology* 68: 576-586.
- 6 Ellison, A. M. 1987. Density-dependent dynamics of *Salicornia europaea* monocultures. *Ecology* 68: 737-741.
- 7 Bertness, M. D. & A. M. Ellison. 1987. Determinants of pattern in a New England salt marsh plant community. *Ecological Monographs* 57: 129-147.
- 8 Ellison, A. M. 1987. Effects of seed dimorphism on the density-dependent dynamics of *Atriplex triangularis* (Chenopodiaceae). *American Journal of Botany* 74: 1280-1288.
- 9 Ellison, A. M. & K. J. Niklas. 1988. Branching patterns of *Salicornia europaea* (Chenopodiaceae) at different successional stages: a comparison of theoretical and real plants. *American Journal of Botany* 75: 501-512.
- 10 Ellison, A. M., & D. Rabinowitz. 1989. Effects of density and emergence time on size hierarchy formation in populations of leafed and leafless peas (*Pisum sativum* L.). *American Journal of Botany* 76: 427-436.

- 11 Ellison, A. M. 1989. Morphological determinants of self-thinning in plant monocultures and a proposal concerning the role of self-thinning in plant evolution. *Oikos* 54: 287-292.
- 12 Ellison, A. M., & C. D. Harvell. 1989. Size hierarchies in *Membranipora membranacea*: do colonial animals follow the same rules as plants? *Oikos* 55: 349-355.
- 13 Ellison, A. M. & E. J. Farnsworth. 1990. The ecology of Belizean mangrove-root fouling communities: I. Epibenthic fauna are barriers to isopod attack of red mangrove roots. *Journal of Experimental Marine Biology and Ecology* 142: 91-104.
- 14 Ellison, A. M. & D. Vam Vikiates. 1991. Evolutionarily stable morphologies in mixed populations of leafless and leafy peas. *Evolution* 45: 40-48.
- 15 Ellison, A. M. 1991. Life-history and feeding behaviour of case-bearing moths (Lepidoptera: Coleophoridae) in a New England salt marsh. *Environmental Entomology* 20: 857-864.
- 16 Denslow, J. S., E. Newell, & A. M. Ellison. 1991. The effect of palms on growth and survival of tree seedlings in a rain forest understory. *Biotropica* 23: 225-234.
- 17 Farnsworth, E. J. & A. M. Ellison. 1991. Patterns of herbivory in Belizean mangrove swamps. *Biotropica* 23: 555-567.
- 18 Ellison, A. M. & E. J. Farnsworth. 1992. Belizean mangrove-root epibionts: patterns of distribution and abundance, and effects on root growth. *Hydrobiologia* 247: 87-98.
- 19 Ellison, A. M., J. S. Denslow, B. Loiselle & D. Brenés M. 1993. Seed and seedling ecology of neotropical Melastomataceae. *Ecology* 74: 1733-1749.
- 20 Ellison, A. M., K. J. Niklas & S. Shumway. 1993. Xylem vascular anatomy and water transport of *Salicornia europaea*. *Aquatic Botany* 45: 325-339.
- 21 Ellison, A. M. & E. J. Farnsworth. 1993. Seedling survivorship, growth, and response to disturbance in Belizean mangal. *American Journal of Botany* 80: 1137-1145.
- 22 Farnsworth, E. J. & A. M. Ellison. 1993. Dynamics of herbivory in Belizean mangal. *Journal of Tropical Ecology* 9: 435-453.
- 23 Ellison, A. M., P. M. Dixon, & J. Ngai. 1994. A null model for neighborhood models of plant competitive interactions. *Oikos* 71: 225-238.
- 24 Ellison, A. M. & B. L. Bedford. 1995. Response of a wetland vascular plant community to disturbance: a simulation study. *Ecological Applications* 5: 109-123.
- 25 Farnsworth, E. J. & A. M. Ellison. 1996. Scale-dependent spatial and temporal variability in biogeography of mangrove-root epibiont communities. *Ecological Monographs* 66: 45-66.
- 26 Murren, C. J., & A. M. Ellison. 1996. Effects of habitat, plant size, and floral display on male and female reproductive success of the neotropical orchid *Brassavola nodosa*. *Biotropica* 28: 30-41.
- 27 Farnsworth, E. J. & A. M. Ellison. 1996. Sun-shade adaptability of the red mangrove, *Rhizophora mangle* (Rhizophoraceae): changes through ontogeny at several levels of biological organization. *American Journal of Botany* 83: 1131-1143.
- 28 Ellison, A. M. & E. J. Farnsworth. 1996. Spatial and temporal variability in growth of *Rhizophora mangle* saplings on coral cays: links with variation in insolation, herbivory, and local sedimentation rate. *Journal of Ecology* 84: 717-731.
- 29 Ellison, A. M. 1996. Bayesian inference for ecological research and environmental decision-making. *Ecological Applications* 6: 1036-1046.
- 30 Ellison, A. M. & E. J. Farnsworth. 1996. Anthropogenic disturbance to Caribbean mangrove ecosystems: past impacts, present trends, and future predictions. *Biotropica* 28: 549-565.
- 31 Ellison, A.M., E. J. Farnsworth, & R.R. Twilley. 1996. Facultative mutualism between red mangroves and root-fouling sponges in Belizean mangal. *Ecology* 77: 2431-2444.



- 32 Farnsworth, E. J., A. M. Ellison, & W.-K. Gong. 1996. Elevated CO<sub>2</sub> alters anatomy, physiology, growth and reproduction of red mangrove (*Rhizophora mangle* L.). *Oecologia* 108: 599-609.
- 33 Farnsworth, E. J. & A. M. Ellison. 1997. Global patterns of predispersal seed predation on mangroves and its effects on seedling regeneration. *Biotropica* 29: 318-330.
- 34 Farnsworth, E. J. & A. M. Ellison. 1997. Global conservation ecology of mangrove ecosystems. *Ambio* 26: 328-334.
- 35 Ellison, A. M. & E. J. Farnsworth. 1997. Simulated sea-level change alters anatomy, physiology, growth, and reproduction of red mangrove (*Rhizophora mangle* L.). *Oecologia* 112: 435-446.
- 36 Murren, C. J. & A. M. Ellison. 1998. Seed dispersal characteristics of *Brassvola nodosa* (Orchidaceae). *American Journal of Botany* 85: 675-680.
- 37 Gotsch, S. G. & A. M. Ellison. 1998. Seed germination of the northern pitcher plant, *Sarracenia purpurea*. *Northeastern Naturalist* 5: 175-182.
- 38 Denslow, J. S., A. M. Ellison & R. L. Sanford, Jr. 1998. Treefall gap size effects on above- and below-ground processes in a tropical wet forest. *Journal of Ecology* 86:597-609.
- 39 Merkt, R. E. & A. M. Ellison. 1998. Geographic and habitat-specific morphological variation of *Littoraria (Littorinopsis) angulifera* (Lamarck, 1822). *Malacologia* 40: 279-295.
- 40 Błędzki, L. A. & A. M. Ellison. 1998. Population growth and production of *Habrotrocha rosa* Donner (Rotifera: Bdelloidea) and its contribution to the nutrient supply of its host, the northern pitcher plant, *Sarracenia purpurea* L. (Sarraceniaceae). *Hydrobiologia* 385: 193-200.
- 41 LaDeau, S. L. & A. M. Ellison. 1999. Seed bank composition of a northeastern tussock swamp. *Wetlands* 19: 255-261.
- 42 Ellison, A. M. 1999. Cumulative effects of oil spills on mangroves. *Ecological Applications* 9: 1490-1492.
- 43 Ellison, A. M., E. J. Farnsworth & R. E. Merkt. 1999. Origins of mangrove ecosystems and the mangrove biodiversity anomaly. *Global Ecology and Biogeography* 8: 95-115.
- 44 Blackstone, N. W. & A. M. Ellison. 2000. Maximal indirect development, set-aside cells, and levels of selection. *Molecular and Developmental Evolution* 288: 99-104.
- 45 Ellison, A. M. 2000. Restoration of mangrove ecosystems: do we know enough? *Restoration Ecology* 8: 219-229.
- 46 Ellison, A. M., B. B. Mukherjee & A. Karim. 2000 Scale-dependent vegetation-environment relationships of mangroves in the Sundarbans of Bangladesh, with special attention to the endemic species, *Heritiera fomes* (Sterculiaceae). *Journal of Ecology* 88: 813-824.
- 47 Błędzki, L.A. & A. M. Ellison. 2000. Effect of water flow rate on zooplankton of shallow rheolimnic reservoirs. *Verhandlung Internationale Vereinigung Limnologie* 27: 2865-2869.
- 48 Ellison, A. M. 2001. Interspecific and intraspecific variation in seed size and germination requirements of *Sarracenia* (Sarraceniaceae). *American Journal of Botany* 88: 429-437.
- 49 Ellison, A. M., & N. J. Gotelli. 2001. Evolutionary ecology of carnivorous plants. *Trends in Ecology and Evolution* 16: 623-629.
- 50 Ellison, A. M. & N. J. Gotelli. 2002. A fine-scale indicator of nitrogen saturation in northern ecosystems. *Proceedings of the National Academy of Sciences, USA* 99: 4409-4412.
- 51 Błędzki, L. A. & A. M. Ellison. 2002. Nutrient regeneration by rotifers in New England (USA) bogs. *Verhandlung Internationale Vereinigung Limnologie* 28: 1328-1331.
- 52 Ellison, A. M. 2002. Macroecology of mangroves: large-scale patterns and processes in tropical coastal forests. *Trees: Structure & Function* 16: 181-194.

- 53 Helly, J. J., T. T. Elvins, D. Sutton, D. Martinez, S. E. Miller, S. Pickett & A. M. Ellison. 2002. Controlled publication of digital scientific data. *Communications of the Association for Computing Machinery* 45: 97-101.
- 54 Gotelli, N. J. & A. M. Ellison. 2002. Biogeography at a regional scale: determinants of ant species density in bogs and forests of New England. *Ecology* 83: 1604-1609.
- 55 Gotelli, N. J. & A. M. Ellison. 2002. Nitrogen deposition and extinction risk in the northern pitcher plant *Sarracenia purpurea*. *Ecology* 83: 2758-2765.
- 56 Ellison, A. M. & J. N. Parker. 2002. Seed dispersal and seedling establishment of *Sarracenia purpurea* (Sarraceniaceae). *American Journal of Botany* 89:1024-1026.
- 57 Ellison, A. M., E. J. Farnsworth & N. J. Gotelli. 2002. Ant diversity in pitcher-plant bogs of Massachusetts. *Northeastern Naturalist* 9: 267-284.
- 58 Gotelli, N. J. & A. M. Ellison. 2002. Assembly rules for New England ant assemblages. *Oikos* 99: 591-599.
- 59 Ellison, A. M., N. J. Gotelli, J. S. Brewer, L. Cochran-Stafira, J. Kneitel, T. E. Miller, A. S. Worley & R. Zamora. 2003. The evolutionary ecology of carnivorous plants. *Advances in Ecological Research* 33: 1-74.
- 60 Błędzki, L. A., & A. M. Ellison. 2003. Diversity of rotifers from northeastern USA bogs with new species records for North America and New England. *Hydrobiologia* 497: 53-62.
- 61 Buckley, H. L., T. E. Miller, A. M. Ellison, & N. J. Gotelli. 2003. Reverse latitudinal trends in species richness of pitcher-plant food webs. *Ecology Letters* 6: 825-829.
- 62 Ellison, A. M. 2004. Wetlands of Central America. *Wetlands Ecology & Management* 12: 3-55.
- 63 Ellison, A. M. 2004. Bayesian inference for ecologists. *Ecology Letters* 7: 509-520.
- 64 Ellison, A. M., H. L. Buckley, T. E. Miller, & N. J. Gotelli. 2004. Morphological variation in *Sarracenia purpurea* (Sarraceniaceae): geographic, environmental, and taxonomic correlates. *American Journal of Botany* 91: 1930-1935.
- 65 Butler, J. L., D. Z. Atwater, & A. M. Ellison. 2005. Red-spotted newts: an unusual nutrient source for northern pitcher plants. *Northeastern Naturalist* 12: 1-10.
- 66 Dixon, P. M., A. M. Ellison, & N. J. Gotelli. 2005. Improving the precision of estimates of the frequency of rare events. *Ecology* 86: 1114-1123.
- 67 Ellison, A. M. & E. J. Farnsworth. 2005. The cost of carnivory for *Darlingtonia californica* (Sarraceniaceae): evidence from relationships among leaf traits. *American Journal of Botany* 92: 1085-1093.
- 68 Wakefield, A. E., N. J. Gotelli, S. E. Wittman, & A. M. Ellison. 2005. The effect of prey addition on nutrient stoichiometry, nutrient limitation, and morphology of the carnivorous plant *Sarracenia purpurea* (Sarraceniaceae). *Ecology* 86: 1737-1743.
- 69 Ratchford, J. S., S. E. Wittman, E. S. Jules, A. M. Ellison, N. J. Gotelli, & N. J. Sanders. 2005. The effects of fire, local environment, and time on ant assemblages in fens and forests. *Diversity and Distributions* 11: 487-497.
- 70 Ellison, A. M., M. S. Bank, B. D. Clinton, E. A. Colburn, K. Elliott, C. R. Ford, D. R. Foster, B. D. Kloeppel, J. D. Knoepp, G. M. Lovett, J. Mohan, D. A. Orwig, N. L. Rodenhouse, W. V. Sobczak, K. A. Stinson, J. K. Stone, C. M. Swan, J. Thompson, B. von Holle, & J. R. Webster. 2005. Loss of foundation species: consequences for the structure and dynamics of forested ecosystems. *Frontiers in Ecology and the Environment* 9: 479-486.
- 71 Gotelli, N. J., & A. M. Ellison. 2006. Forecasting extinction risk with non-stationary matrix models. *Ecological Applications* 16: 51-61.
- 72 Atwater, D. Z., J. L. Butler, & A. M. Ellison. 2006. Spatial distribution and impacts of moth larvae on northern pitcher plants. *Northeastern Naturalist* 13: 43-56.

- 73 Ellison, A. M., L. J. Osterweil, J. L. Hadley, A. Wise, E. Boose, L. Clarke, D. R. Foster, A.  
Hanson, D. Jensen, P. Kuzeja, E. Riseman, & H. Schultz. 2006. An analytic web to  
support the analysis and synthesis of ecological data. *Ecology* 87: 1354-1358.
- 74 Gotelli, N. J., & A. M. Ellison. 2006. Food-web models predict species abundance in response to  
habitat change. *PLoS Biology* 4: e324.
- 75 Ne'eman, G., R. Ne'eman, & A. M. Ellison. 2006. Limits to reproductive success of *Sarracenia*  
*purpurea* (Sarraceniaceae). *American Journal of Botany* 93: 1660-1666.
- 76 Sullivan, K. A., & A. M. Ellison. 2006. The seed bank of hemlock forests: implications for forest  
regeneration following hemlock decline. *Journal of the Torrey Botanical Society* 133:  
393-402.
- 77 Ellison, A. M. Nutrient limitation and stoichiometry of carnivorous plants. 2006. *Plant Biology* 8:  
740-747.
- 78 Sanders, N. J., N. J. Gotelli, S. E. Wittman, J. S. Ratchford, A. M. Ellison, & E. S. Jules. 2007.  
Assembly rules of ground-foraging ant assemblages are contingent on disturbance,  
habitat, and spatial scale. *Journal of Biogeography* 34: 1632-1641.
- 79 Ellison, A. M., S. Record, A. Arguello, & N. J. Gotelli. 2007. Rapid inventory of the ant  
assemblage in a temperate hardwood forest: species composition and sampling methods.  
*Environmental Entomology* 36: 766-775.
- 80 Butler, J. L., & A. M. Ellison. 2007. Nitrogen cycling dynamics in the carnivorous northern  
pitcher plant, *Sarracenia purpurea*. *Functional Ecology* 21: 835-843.
- 81 Boose, E. R., A. M. Ellison, L. J. Osterweil, R. Podorozhny, L. Clarke, A. Wise, J. L. Hadley, &  
D. R. Foster. 2007. Ensuring reliable datasets for environmental models and forecasts.  
*Ecological Informatics* 2: 237-247.
- 82 Dunn, R. R., N. J. Sanders, M. C. Fitzpatrick, E. Laurent, J.-P. Lessard, D. Agosti, A. N.  
Andersen, C. Brul, X. Cerda, A. M. Ellison, B. L. Fisher, H. Gibb, N. J. Gotelli, A. Gove,  
B. Guenard, M. Janda, M. Kaspari, J. T. Longino, J. Majer, T. P. McGlynn, S. B. Menke,  
C. L. Parr, S. M. Philpott, M. Pfeiffer, J. Retana, A. V. Suarez, & H. L. Vasconcelos.  
2007. Global ant (Hymenoptera: Formicidae) biodiversity and biogeography – a new  
database and its possibilities. *Myrmecological News* 10: 77-83.
- 83 Ellison, A. M. 2008. Managing mangroves with benthic biodiversity in mind: moving beyond  
roving banditry. *Journal of Sea Research* 59: 2-15.
- 84 Farnsworth, E. J., & A. M. Ellison. 2008. Prey availability directly affects physiology, growth,  
nutrient allocation, and scaling relationships among leaf traits in ten carnivorous plant  
species. *Journal of Ecology* 96: 213-221.
- 85 Butler, J. L., N. J. Gotelli, & A. M. Ellison. 2008. Linking the brown and the green:  
transformation and fate of allochthonous nutrients in the *Sarracenia* microecosystem.  
*Ecology* 89: 898-904.
- 86 Gotelli, N. J., P. J. Mouser, S. Hudman, S. E. Morales, D. Ross, & A. M. Ellison. 2008.  
Geographic variation in nutrient availability, stoichiometry, and metal concentrations of  
plants in ombrotrophic bogs in New England, USA. *Wetlands* 28: 827-840.
- 87 Peterson, C. N., S. Day, B. E. Wolfe, A. M. Ellison, R. Kolter, & A. Pringle. 2008. A keystone  
predator controls bacterial diversity in the pitcher plant (*Sarracenia purpurea*)  
microecosystem. *Environmental Microbiology* 10: 2257-2266.
- 88 Ellison, A. M., & N. J. Gotelli. 2009. Energetics and the evolution of carnivorous plants -  
Darwin's "most wonderful plants in the world". *Journal of Experimental Botany* 60: 19-  
42.
- 89 Contamin, R., & A. M. Ellison. 2009. Indicators of regime shifts in ecological systems: what do  
we need to know and when do we need to know it? *Ecological Applications* 19: 799-816.

- 90 Bennett, K. F., & A. M. Ellison. 2009. Nectar, not colour, may lure insects to their death. *Biology Letters* 5: 469-472.
- 91 Karagatzides, J. D., & A. M. Ellison. 2009. Construction costs, payback times, and the leaf economics of carnivorous plants. *American Journal of Botany* 96: 1612-1619.
- 92 Fitzpatrick, M. C., E. L. Preisser, A. M. Ellison, & J. S. Elkinton. 2009. Observer bias and the detection of low-density populations. *Ecological Applications* 19: 1673-1679.
- 93 Karagatzides, J. D., J. L. Butler, & A. M. Ellison. 2009. The pitcher plant *Sarracenia purpurea* can directly acquire organic nitrogen and short-circuit the inorganic nitrogen cycle. *PLoS One* 4: e6164.
- 94 Osterweil, L. J., L. A. Clarke, A. M. Ellison, E. Boose, R. Podorozhny, & A. Wise. 2010. Clear and precise specification of ecological data management processes and dataset provenance. *IEEE Transactions on Automation Science and Engineering* 7: 189-195.
- 95 Ellison, A. M. 2010. Repeatability and transparency in ecological research. *Ecology* 91: 2536-2539.
- 96 Ellison, A. M., & B. Dennis. 2010. Paths to statistical fluency for ecologist. *Frontiers in Ecology and the Environment* 8: 362-370.
- 97 Wittman, S. E., N. J. Sanders, A. M. Ellison, E. S. Jules, J. S. Ratchford, & N. J. Gotelli. 2010. Species interactions and thermal constraints on ant community structure. *Oikos* 119: 551-559.
- 98 Albani, M., P. R. Moorcroft, A. M. Ellison, D. A. Orwig, & D. R. Foster. 2010. Predicting the impact of hemlock woolly adelgid on carbon dynamics of eastern U.S. forests. *Canadian Journal of Forest Research* 40: 119-133.
- 99 Buckley, H. L., T. E. Miller, A. M. Ellison, & N. J. Gotelli. 2010. Local to continental-scale variation in the richness and composition of an aquatic food web. *Global Ecology and Biogeography* 19: 711-723.
- 100 Ellison, A. M., A. A. Barker Plotkin, D. R. Foster, & D. A. Orwig. 2010. Experimentally testing the role of foundation species in forests: the Harvard Forest Hemlock Removal Experiment. *Methods in Ecology and Evolution* 1: 168-179.
- 101 Polidoro, B. A., K. E. Carpenter, L. Collins, N. C. Duke, A. M. Ellison, J. C. Ellison, E. J. Farnworth, E. S. Fernando, K. Kathiresan, N. E. Koedam, S. R. Livingstone, T. Miyagi, G. E. Moore, V. N. Nam, J. E. Ong, J. H. Primavera, S. G. Salmo, III, J. C. Sanciangco, S. Sukardjo, Y. Wang, & Y. W. H. Yong. 2010. The loss of species: mangrove extinction risk and geographic areas of global concern. *PLoS One* 5: e10095.
- 102 Gotelli, N. J., R. M. Dorazio, A. M. Ellison, & G. D. Grossman. 2010. Detecting temporal trends in species assemblages with bootstrapping procedures and hierarchical models. *Philosophical Transactions of the Royal Society of London, Series B* 365: 3621-3631.
- 103 Weiser, M. D., N. J. Sanders, D. Agosti, A. N. Andersen, A. M. Ellison, B. L. Fisher, H. Gibb, N. J. Gotelli, A. D. Gove, K. Gross, B. Guénard, M. Janda, M. Kaspari, J.-P. Lessard, J. T. Longino, J. D. Majer, S. B. Menke, T. P. McGlynn, C. L. Parr, S. M. Philpott, J. Retana, A. V. Suarez, H. L. Vasconcelos, S. P. Yanoviak, & R. R. Dunn. 2010. Canopy and litter ant assemblages share similar climate-species density relationships. *Biology Letters* 6: 769-772.
- 104 Fitzpatrick, M. C., E. L. Preisser, A. Porter, J. Elkinton, L. A. Waller, B. P. Carlin, & A. M. Ellison. 2010. Ecological boundary detection using Bayesian areal wombling. *Ecology* 91: 3448-3455.
- 105 Gotelli, N. J., A. M. Ellison, R. R. Dunn, & N. J. Sanders. 2011. Counting ants (Hymenoptera: Formicidae): biodiversity sampling and statistical analysis for myrmecologists. *Myrmecological News* 15: 13-19.

- 106 Oswald, W. W., E. D. Doughty, G. Ne'eman, R. Ne'eman, & A. M. Ellison. 2011. Pollen morphology and its relationship to taxonomy in the genus *Sarracenia* (Sarraceniaceae). *Rhodora* 113: 235-251.
- 107 Pelini, S. L., F. P. Bowles, A. M. Ellison, N. J. Gotelli, N. J. Sanders, & R. R. Dunn. 2011. Heating up the forest: open-top chamber warming manipulation of arthropod communities at Harvard and Duke Forests. *Methods in Ecology and Evolution* 2: 534-540.
- 108 Jules, E. S., A. M. Ellison, N. J. Gotelli, S. Lillie, G. A. Meindl, N. J. Sanders, & A. N. Young. 2011. The influence of fire on a rare serpentine plant assemblage: a five year study of *Darlingtonia* fens. *American Journal of Botany* 98: 801-811.
- 109 Gotelli, N. J., A. M. Smith, A. M. Ellison, & B. A. Ballif. 2011. Proteomic characterization of the major arthropod associates of the carnivorous pitcher plant *Sarracenia purpurea*. *Proteomics* 11: 2354-2358.
- 110 Ellison, A. M., & L. Adamec. 2011. Ecophysiological traits of terrestrial and aquatic carnivorous plants: are the costs and benefits the same? *Oikos* 120: 1721-1731.
- 111 Jenkins, C. N., N. J. Sanders, A. N. Andersen, X. Arnan, C. A. Brühl, X. Cerda, A. M. Ellison, B. L. Fisher, M. C. Fitzpatrick, N. J. Gotelli, A. D. Gove, B. Guénard, J. E. Lattke, J.-P. Lessard, T. P. McGlynn, S. B. Menke, C. L. Parr, S. M. Philpott, H. L. Vasconcelos, M. D. Weiser, & R. R. Dunn. 2011. Global diversity in light of climate change: the case of ants. *Diversity and Distributions* 17: 652-662.
- 112 Pelini, S. L., M. Boudreau, N. McCoy, A. M. Ellison, N. J. Gotelli, N. J. Sanders, & R. R. Dunn. 2011. Effects of short-term warming on low and high latitude forest ant communities. *Ecosphere* 2: art62.
- 113 Baiser, B., N. J. Gotelli, H. L. Buckley, T. E. Miller, & A. M. Ellison. 2011 (2012). Geographic variation in network structure of a Nearctic aquatic food web. *Global Ecology and Biogeography* 21: 579-591.
- 114 Baiser, B., R. Ardeshiri, & A. M. Ellison. 2011. Species richness and trophic diversity increase decomposition in a co-evolved food web. *PLoS One* 6: e20672.
- 115 Sackett, T. E., S. Record, S. Bewick, B. Baiser, N. J. Sanders, & A. M. Ellison. 2011. Response of macroarthropod assemblages to the loss of hemlock (*Tsuga canadensis*), a foundation species. *Ecosphere* 2: art74.
- 116 Bestelmeyer, B. T., A. M. Ellison, W. R. Fraser, K. B. Gorman, S. J. Holbrook, C. M. Laney, M. D. Ohman, D. P. C. Peters, F. C. Pillsbury, A. Rassweiler, R. J. Schmitt, & S. Sharma. 2011. Detecting and managing abrupt transitions in ecological systems. *Ecosphere* 2: art129.
- 117 Ellison, A. M. 2012. The ants of Nantucket: unexpectedly high biodiversity in an anthropogenic landscape. *Northeastern Naturalist* 19(Special Issue 6): 43-66.
- 118 Lustenhouwer, M. N., L. Nicoll, & A. M. Ellison. 2012. Microclimatic effects of the loss of a foundation species from New England forests. *Ecosphere* 3: 26.
- 119 Fitzpatrick, M. C., E. L. Preisser, A. Porter, J. Elkinton, & A. M. Ellison. 2012. Modeling range dynamics in heterogeneous landscapes: invasion of the hemlock woolly adelgid in eastern North America. *Ecological Applications* 22: 472-486.
- 120 Gotelli, N. J., A. M. Ellison, & B. A. Ballif. 2012. Environmental proteomics, biodiversity statistics, and food web structure. *Trends in Ecology and Evolution* 27: 436-442.
- 121 Ellison, A. M. 2012. Out of Oz: Opportunities and challenges for using ants (Hymenoptera: Formicidae) as biological indicators in north-temperate cold biomes. *Myrmecological News* 17: 105-119.

- 122 Ellison, A. M., E. D. Butler, E. J. Hicks, R. F. C. Naczi, P. J. Calie, C. D. Bell, & C. C. Davis. 2012. Phylogeny and biogeography of the carnivorous plant family Sarraceniaceae. *PLoS One* 7: e39291.
- 123 Dakos, V., S. R. Carpenter, W. A. Brock, A. M. Ellison, V. Guttal, A. R. Ives, S. Kéfi, V. Livina, D. A. Seekell, E. H. van Nes, & M. Scheffer. 2012. Methods for detecting early warnings of critical transitions in time series illustrated using simulated ecological data. *PLoS One* 7: e41010.
- 124 Baiser, B., H. L. Buckley, N. J. Gotelli, & A. M. Ellison. 2012/2013. Predicting food-web structure with metacommunity models. *Oikos* 122: 492-506.
- 125 Diamond, S. E., L. M. Nichols, N. McCoy, C. Hirsch, S. L. Pelini, N. J. Sanders, A. M. Ellison, N. J. Gotelli, & R. R. Dunn. 2012. A physiological trait-based approach to predicting the responses of species to experimental climatic warming. *Ecology* 93: 2305-2312.
- 126 Farnsworth, E. J., A. A. Barker Plotkin, & A. M. Ellison. 2012. The relative contributions of seed bank, seed rain, and understory vegetation dynamics to the reorganization of *Tsuga canadensis* forests after loss due to logging or simulated attack by *Adelges tsugae*. *Canadian Journal of Forest Research* 42: 2090-2105.
- 127 Pelini, S. L., S. E. Diamond, H. MacLean, A. M. Ellison, N. J. Gotelli, N. J. Sanders, & R. R. Dunn. 2012. Common garden experiments reveal uncommon responses across temperatures, locations, and species of ants. *Ecology and Evolution* 2: 3009-3115.
- 128 Record, S., M. C. Fitzpatrick, A. O. Finley, S. Veloz, & A. M. Ellison. 2013. Should species distribution models account for spatial autocorrelation? A test of model projections across eight millennia of climate change. *Global Ecology and Biogeography* 22: 760-771.
- 129 Record, S., N. D. Charney, R. M. Zakariah, & A. M. Ellison. 2013. Projecting global mangrove species and community distributions under climate change. *Ecosphere* 4: 34.
- 130 Orwig, D. A., A. A. Barker Plotkin, E. A. Davidson, H. Lux, K. E. Savage, & A. M. Ellison. 2013. Foundation species loss affects vegetation structure more than ecosystem function in a northeastern USA forest. *PeerJ* 1: e41.
- 131 Sirota, J., B. Baiser, N. J. Gotelli, & A. M. Ellison. 2013. Organic-matter loading determines regime shifts and alternative states in an aquatic ecosystem. *Proceedings of the National Academy of Sciences, USA* 110: 7742-7747.
- 132 Fitzpatrick, M. C., N. J. Gotelli, & A. M. Ellison. 2013. MaxEnt versus MaxLike: empirical comparisons with ant species distributions. *Ecosphere* 4: 55.
- 133 Diamond, S. E., C. Penick, S. L. Pelini, A. M. Ellison, N. J. Gotelli, N. J. Sanders, & R. R. Dunn. 2013. Using physiology to predict the responses of ants to climatic warming. *Integrative and Comparative Biology* 53: 965-974.
- 134 Farnsworth, E. J., M. Chu, W. J. Kress, A. K. Neill, J. H. Best, R. D. Stevenson, G. W. Courtney, J. K. Vandyk, & A. M. Ellison. 2013. Next-generation field guides. *BioScience* 63: 891-899.
- 135 Ellison, A. M. 2013. The suffocating embrace of landscape and the picturesque conditioning of ecology. *Landscape Journal* 32: 79-94.
- 136 Giasson, M.-A., A. M. Ellison, R. D. Bowden, P. M. Crill, E. A. Davidson, J. E. Drake, S. D. Frey, J. L. Hadley, M. Lavine, J. M. Melillo, J. W. Munger, K. J. Nadelhoffer, L. Nicoll, S. V. Ollinger, K. E. Savage, P. A. Steudler, J. Tang, R. K. Varner, S. C. Wofsy, D. R. Foster, & A. C. Finzi. 2013. Soil respiration in a northeastern US temperate forest: a 22-year synthesis. *Ecosphere* 4: 140.
- 137 Baiser, B., N. Whitaker, & A. M. Ellison. 2013. Modeling foundation species in food webs. *Ecosphere* 4: 146

- 138 Chao, A., N. J. Gotelli, T. C. Hsieh, E. L. Snader, K. H. Ma, R. K. Colwell, & A. M. Ellison. 2014. Rarefaction and extrapolation with Hill numbers: a framework for sampling and estimation in species diversity studies. *Ecological Monographs* 84: 45-67.
- 139 Resasco, J., S. L. Pelini, K. L. Stuble, N. J. Sanders, R. R. Dunn, S. E. Diamond, A. M. Ellison, N. J. Gotelli, & D. J. Levey. 2014. Using historical and experimental data to reveal warming effects on ant assemblages. *PLoS One* 9(2): e88029.
- 140 Ellison, A. M. 2014. Preserving the picturesque: perceptions of landscape, landscape art, and land protection in the United States and China. *Land* 3: 260-281.
- 141 Ellison, A. M., N. J. Gotelli, B. D. Inouye, & D. R. Strong. 2014. *P* values, hypothesis testing, and model selection: it's déjà vu all over again. *Ecology* 95: 609-610.
- 142 Ellison, A. M., & E. J. Farnsworth. 2014. Targeted sampling increases knowledge and improves estimates of ant species richness in Rhode Island. *Northeastern Naturalist* 21: NENHC-21-NENHC-24.
- 143 Kéfi, S., V. Guttal, W. A. Brock, S. R. Carpenter, A. M. Ellison, V. N. Livina, D. A. Seekell, M. Scheffer, E. H. van Nes, & V. Dakos. 2014. Early warning signals of ecological transitions: methods for spatial patterns. *PLoS One* 9: e92097.
- 144 Ellison, A. M., C. C. Davis, P. J. Calie, & R. F. C. Naczi. 2014. Pitcher plants (*Sarracenia*) provide a 21st-century perspective on infraspecific ranks and interspecific hybrids: a modest proposal for appropriate recognition and usage. *Systematic Botany* 93: 939-949.
- 145 Ellison, A. M., N. J. Gotelli, N. Hsiang, M. Lavine, & A. Maidman. 2014. Kernel density estimation of 2-dimensional spatial Poisson point processes from *k*-tree sampling. *Journal of Agricultural, Biological, and Environmental Statistics* 19: 357-372.
- 146 Smart, S. M., A. M. Ellison, R. G. H. Bunce, R. H. Marrs, K. J. Kirby, A. Kimberley, W. A. Scott, & D. R. Foster. 2014. Quantifying the impact of an extreme climate event on species diversity in fragmented temperate forests: the effect of the October 1987 storm on British broadleaved woodlands. *Journal of Ecology* 102: 1273-1287.
- 147 Ellison, A. M. 2014. Experiments are revealing a foundation species: a case-study of eastern hemlock (*Tsuga canadensis*). *Advances in Ecology* 2014: article 456904.
- 148 Pelini, S. L., S. E. Diamond, L. M. Nichols, K. L. Stubble, A. M. Ellison, N. J. Sanders, R. R. Dunn, & N. J. Gotelli. 2014. Geographic differences in effects of experimental warming on ant species diversity and community composition. *Ecosphere* 5: 125.
- 149 Ellison, A. M., M. Lavine, P. B. Kerson, A. A. Barker Plotkin, & D. A. Orwig. 2014. Building a foundation: land-use history and dendrochronology reveal temporal dynamics of a *Tsuga canadensis* (Pinaceae) forest. *Rhodora* 116: 377-427.
- 150 Kendrick, J. A., R. R. Ribbons, A. T. Classen, & A. M. Ellison. 2015. Changes in canopy structure and ant assemblages affect soil ecosystem variables as a foundation species declines. *Ecosphere* 6: 77.
- 151 Del Toro, I., R. R. Silva, & A. M. Ellison. 2015. Predicted impacts of climatic change on ant functional diversity and distributions in eastern North American forests. *Diversity and Distributions* 21: 781-791.
- 152 Del Toro, I., R. R. Ribbons, & A. M. Ellison. 2015. Ant-mediated ecosystem functions on a warmer planet: effects on soil movement, decomposition and nutrient cycling. *Journal of Animal Ecology* 84: 1233-1241.
- 153 Siddig, A. A., A. M. Ellison, & S. Jackson. 2015. Calibrating abundance indices with population size estimators of red back salamanders (*Plethodon cinereus*) in a New England Forest. *PeerJ* 3: e952.
- 154 Wang, Y., E. Liang, A. M. Ellison, X. Lu, & J. J. Camarero. 2015. Facilitation stabilizes moisture-controlled alpine juniper shrublines in the central Tibetan Plateau. *Global and Planetary Change* 132: 20-30.

- 155 Davis, C. C., C. G. Willis, B. Connolly, C. Kelly, & A. M. Ellison. 2015. Herbarium records are reliable sources of phenological change driven by climate and provide novel insights into species' phenological cueing mechanisms. *American Journal of Botany* 102: 1599-1609.
- 156 Siddig, A. A. H., A. M. Ellison, A. Ochs, C. Villar-Leeman, & M. K. Lau. 2016. How do ecologists select and use indicator species to monitor ecological change? Insights from 14 years of publication in *Ecological Indicators*. *Ecological Indicators* 60: 223-230.
- 157 Ellison, A. M., A. A. Barker Plotkin, & S. Khalid. 2016. Foundation species loss and biodiversity of the herbaceous layer in New England forests. *Forests* 7: 9.
- 158 Buckley, H. L., B. S. Case, & A. M. Ellison. 2016. Using codispersion analysis to characterize spatial patterns in species co-occurrences. *Ecology* 97: 32-39.
- 159 Juice, S. M., P. H. Templer, N. G. Phillips, A. M. Ellison, & S. L. Pelini. 2016. Ecosystem warming increases sap flow rates of northern red oak trees. *Ecosphere* 7: e01221.
- 160 Bittleston, L. S., N. E. Pierce, A. M. Ellison, & A. Pringle. 2016. Convergence in multispecies interactions. *Trends in Ecology and Evolution* 31: 269-280.
- 161 Stanton-Geddes, J., A. Nguyen, L. Chick, J. Vincent, M. Vangala, R. R. Dunn, A. M. Ellison, N. J. Sanders, N. J. Gotelli, & S. H. Cahan. 2016. Thermal reactionomes reveal divergent responses to thermal extremes in warm and cool-climate ant species. *BMC Genomics* 17: 171.
- 162 Liang, E., Y. Wang, S. Piao, X. Lu, J. J. Camarero, H. Zhu, L. Zu, A. M. Ellison, P. Ciais, & J. Peñuelas. 2016. Species interactions slow warming-induced upward shifts of treelines on the Tibetan Plateau. *Proceedings of the National Academy of Sciences, USA* 113: 4380-4385.
- 163 Buckley, H. L., B. S. Case, J. Zimmermann, J. Thompson, J. A. Myers, & A. M. Ellison. 2016. Using codispersion analysis to quantify and understand spatial patterns in species-environment relationships. *New Phytologist* 211: 735-749.
- 164 Wang, Y., N. Pederson, A. M. Ellison, H. L. Buckley, B. S. Case, E. Liang, & J. J. Camarero. 2016. Increased stem density and competition may diminish the positive effects of warming at alpine treeline. *Ecology* 97: 1668-1679.
- 165 Chen, Y.-P., L. Maltby, Q. Liu, Y.-J. Zheng, A. M. Ellison, Q.-Y. Ma, & X.-M. Wu. 2016. Captive pandas are at risk from environmental toxins. *Frontiers in Ecology and the Environment* 14: 363-367.
- 166 Berberich, G. M., C. Dormann, D. Klimetzek, M. B. Berberich, N. J. Sanders, & A. M. Ellison. 2016. Detection probabilities for sessile organisms. *Ecosphere* 7: e01546.
- 167 Case, B. S., H. L. Buckley, A. A. Barker Plotkin, & A. M. Ellison. 2016. Using codispersion analysis to quantify temporal changes in the spatial pattern of forest stand structure. *Chilean Journal of Statistics*. 7(2): 3-15.
- 168 Siddig, A. A., A. M. Ellison, & B. G. Mathewson. 2016. Assessing the impacts of the decline of *Tsuga canadensis* stands on two amphibian populations in a New England forest. *Ecosphere* 7: e01574.
- 169 Diamond, S. E., L. M. Nichols, S. L. Pelini, C. A. Penick, G. W. Barber, S. H. Cahan, R. R. Dunn, A. M. Ellison, N. J. Sanders, & N. J. Gotelli. 2016. Climate warming destabilizes forest ant communities. *Science Advances* 2: e1600842.
- 170 McDevitt, A. L., M. V. Patel, B. Rose, & A. M. Ellison. 2016. Insights into student gains from undergraduate research using pre/post assessments. *BioScience* 66: 1070-1078.
- 171 Chen, Y.-P., Y.-J. Zheng, Q. Liu, Y. Song, Z.-S. An, Q.-Y. Ma, & A. M. Ellison. 2017. Atmospheric deposition exposes pandas to toxic pollutants *Ecological Applications* 27: 343-348.
- 172 Gibb, H., R. R. Dunn, N. J. Sanders, B. F. Grossman, M. Photakis, S. Abril, D. Agosti, A. N. Andersen, E. Angulo, I. Armbrecht, X. Arnan, F. B. Baccaro, T. R. Bishop, R. Boulay, C.



- Brühl, C. Castracani, X. Cerdá, I. Del Toro, T. Delsinne, M. Diaz, D. A. Donoso, A. M. Ellison, M. L. Enriquez, T. M. Fayle, D. H. Feener, Jr., B. L. Fisher, M. C. Fitzpatrick, C. Gómez, N. J. Gotelli, A. Gove, D. A. Grasso, S. Groc, B. Guénard, N. Gunawardene, B. Heterick, B. Hoffmann, M. Janda, M. Kaspari, P. Klimes, L. Lach, T. Laeger, J. Lattke, M. Leponce, J.-P. Lessard, J. Longino, A. Lucky, S. H. Luke, J. Majer, T. P. McGlynn, S. Menke, D. Mezger, A. Mori, J. Moses, T. C. Munyai, R. Pacheco, O. Paknia, J. Pearce-Duvet, M. Pfeiffer, S. M. Philpott, J. Resasco, J. Retana, R. R. Silva, M. D. Sorger, J. Souza, A. Suarez, M. Tista, H. L. Vasconcelos, M. Vonshak, M. D. Weiser, M. Yates & C. L. Parr. 2017. A global database of ant species abundances. *Ecology* 98: 883-884.
- 173 Chen, Y.-P., Y. Zhao, A. M. Ellison, Q. Liu, & Y. Zheng. 2017. PBDEs pose a risk to captive pandas. *Environmental Pollution* 226: 174-181.
- 174 Diamond, S. E., L. Chick, R. R. Dunn, A. M. Ellison, N. J. Sanders, & N. J. Gotelli. 2017. Heat tolerance predicts the strength of species interaction effects under global climate change. *Integrative and Comparative Biology* 57: 112-120.
- 175 Li, X., E. Liang, J. Gričar, S. Rossi, K. Čufar, and A. M. Ellison. 2017. Critical minimum temperature limits xylogenesis and maintains treelines on the Tibetan Plateau. *Science Bulletin* 62: 804-812.
- 176 Case, B. S., H. L. Buckley, A. A. Barker Plotkin, D. A. Orwig, & A. M. Ellison. 2017. When a foundation crumbles: forecasting forest community dynamics associated with the decline of the foundation species, *Tsuga canadensis*. *Ecosphere* 8: e01893.
- 177 Lau, M. K., S. R. Borrett, B. Baiser, N. J. Gotelli, & A. M. Ellison. 2017. Ecological network metrics: opportunities for synthesis. *Ecosphere* 8: e01900.
- 178 Pasquier, T., M. K. Lau, A. Trisovic, E. R. Boose, B. Couturier, A. M. Ellison, C. Jones, & M. Seltzer. 2017. If these data could talk: Data provenance for repeatable and reproducible research. *Scientific Data* 4: 170114.
- 179 Northrop, A. C., R. Brooks, A. M. Ellison, N. J. Gotelli, & B. A. Ballif. 2017. Metaproteomics reveals taxonomic and functional changes in an enriched aquatic ecosystem. *Ecosphere* 8: e01954.
- 180 Del Toro, I., G. Berberich, R. R. Ribbons, M. Berberich, N. J. Sanders, & A. M. Ellison. 2017. Nests of red wood ants (*Formica rufa*-group) are positively associated with tectonic faults: a double-blind test. *PeerJ* 5: e3903.
- 181 Ren, P., S. Rossi, J. J. Camarero, S. Piao, A. M. Ellison, E. Liang, & J. Peñuelas. 2018. Critical temperature and precipitation thresholds for the onset of xylogenesis of *Juniperus przewalskii* in a semi-arid area of the northeastern Tibetan plateau. *Annals of Botany*.
- 182 Milcu, A., R. Puga-Frietas, A. M. Ellison, M. Blouin, S. Scheu, G. T. Freschet, L. Rose, S. Barot, S. Cesarz, N. Eisenhauer, T. Girin, D. Assandri, M. Bonkowski, N. Buchmann, O. Butenschoen, S. Devidal, G. Gleixner, A. Gessler, A. Gigon, A. Greiner, C. Grignani, A. Hansart, Z. Kayler, M. Lange, J.-C. Lata, J.-F. Le Galliard, M. Lukac, N. Mannerheim, M. E. H. Müller, A. Pando, P. Rotter, M. Scherer-Lorenzen, R. Seyhun, K. Urban-Mead, A. Weigelt, L. Zavattaro, & J. Roy. 2018. Genotypic variability enhances the reproducibility of an ecological study. *Nature Ecology and Evolution* 2: s41559-017-0434-x.
- 183 Record, S., T. McCabe, B. Baiser, & A. M. Ellison. 2018. Are foundation tree species effects different from those of dominant tree species: a case study with North American ants. *Ecosphere* 9: e02139.
- 184 Park, D. S., A. M. Ellison, & C. C. Davis. 2018. Selfing species exhibit diminished niche breadth over time. *Global Ecology and Biogeography*.

*Book chapters, technical reports, popular articles, editorials, and conference proceedings (generally only lightly or not-at-all peer-reviewed)*

- 1 Ellison, A. M. 1993. Exploratory data analysis and graphic display. Pages 14-45 *In*: S.M. Scheiner and J. Gurevitch, editors. *Design and analysis of ecological experiments*. Chapman & Hall, New York.
- 2 Farnsworth, E., and A. Ellison. 1995. Attack...of the woolly adelgids. *The Charles River MUD* 20(8): 1.
- 3 Ellison, A. M. 1996. Mangrove forests. *The Earthwatch Corporate Environmental Responsibility Group Bulletin* 11: 43-48.
- 4 Ellison, A. M. 1998. Data: the tapestry of nature. EcoEssay Series Number 2. National Center for Ecological Analysis and Synthesis. Santa Barbara, CA. <http://www.nceas.ucsb.edu/fmt/doc?nceas-web/resources/ecoessay/ellison/>.
- 5 Ellison, A. M., & L. Bledzki. 1999. Environmental impact assessment of the golf course irrigation project on the Stony Brook watershed. Technical Report prepared for the Orchards Golf Course, the South Hadley Conservation Commission, and Mount Holyoke College.
- 6 Ellison, A. M. & E. J. Farnsworth. 2001. Mangrove communities. Pages 423-442 *in*: M. D. Bertness, S. D. Gaines & M. E. Hay, editors. *Marine Community Ecology*. Sinauer Associates, Sunderland, MA.
- 7 Ellison, A. M. 2002. Food for thought: a review of recent research on pitcher-plant bogs in New England. *Conservation Perspectives*. <http://www.nescb.org/epublications/summer2002/>.
- 8 Ellison, A. M. 2004. Statistics and science, objectivity and truth. Pages 362-367 *in*: M. L. Taper and S. R. Lele, editors. *The Nature of Scientific Evidence*. University of Chicago Press, Chicago, IL.
- 9 Ellison, A. M., L. J. Osterweil, J. L. Hadley, A. Wise, E. Boose, L. A. Clarke, D. R. Foster, A. Hanson, D. Jensen, P. Kuzeja, E. Riseman, & H. Schultz. 2004. An analytic web to support the analysis and synthesis of ecological data, *Technical Report UM-CS-2004-079*, Department of Computer Science, University of Massachusetts, Amherst, Massachusetts, USA.
- 10 Ellison, A. M., J. Chen, D. Díaz, C. Kammerer-Burnham, & M. Lau. 2005. Changes in ant community structure and composition associated with hemlock decline in New England. Pages 280-289 *in* B. Onken and R. Reardon, editors. *Proceedings of the 3<sup>rd</sup> Symposium on Hemlock Woolly Adelgid in the Eastern United States*. USDA Forest Service, Forest Health Technology Enterprise Team, Morgantown, West Virginia.
- 11 Foster, D., D. Kittredge, B. Donahue, G. Motzkin, D. Orwig, A. Ellison, B. Hall, B. Colburn, & A. D'Amato. 2005. *Wildlands and Woodlands: A Vision for the Forests of Massachusetts*. Harvard Forest, Petersham, Massachusetts.
- 12 Ellison, A. M. 2005. Turning the tables: plants bite back. *Wings* Fall 2005: 25-30.
- 13 Osterweil, L. J., A. Wise, L. A. Clarke, A. M. Ellison, J. L. Hadley, E. Boose, & D. R. Foster. 2006. Process technology to facilitate the conduct of science. Pages 403-415 *in* M. Li, B. Boehm, & L. J. Osterweil, editors. *Unifying the software process spectrum: international software process workshop, SPW 2005, Beijing, China, May 25-27, 2005, revised selected papers*. *Lecture Notes in Computer Science*. Springer-Verlag, Germany.
- 14 Ellison, A. M. 2006. What makes an ecological icon? *Bulletin of the Ecological Society of America* 87: 380-386.
- 15 Duke, N. C., Meynecke, J.-O., S. Dittmann, A. M. Ellison, K. Anger, U. Berger, S. Cannicci, K. Diele, K. C. Ewel, C. D. Field, N. Koedam, S. Y. Lee, C. Marchand, L. Nordhaus, & F. Dahdouh-Guebas. 2007. A world without mangroves? *Science* 317: 41-42.

- 16 Ellison, A. M. 2008. Preface: Mangrove ecology – applications in forestry and coastal zone management. *Aquatic Botany* 89: 77.
- 17 Osterweil, L. J., L. A. Clarke, A. M. Ellison, R. Podorozhny, A. Wise, & E. Boose. 2008. Experience in using a process language to define scientific workflow and generate dataset provenance. Pages 319-329 in *Proceedings of the 16<sup>th</sup> ACM SIGSOFT International Symposium on the Foundations of Software Engineering* (ACM SIGSOFT 2008 / FSE 16).
- 18 McPeck, M. A., D. L. DeAngelis, R. G. Shaw, A. J. Moore, M. D. Rausher, D. R. Strong, A. M. Ellison, L. Barrett, L. Rieseberg, M. D. Breed, J. Sullivan, C. W. Osenberg, M. Holyoak, & M. A. Elgar. 2009. The golden rule of reviewing. *The American Naturalist* 173: E155-E158.
- 19 Foster, D. R., B. M. Donahue, D. B. Kittredge, K. Fallon Lambert, M. L. Hunter, B. R. Hall, L. C. Irland, R. J. Lillieholm, D. A. Orwig, A. W. D’Amato, E. A. Colburn, J. R. Thompson, J. N. Levitt, A. M. Ellison, W. S. Keeton, J. D. Aber, C. V. Cogbill, C. T. Driscoll, T. J. Fahey, & C. M. Hart. 2010. *Wildlands and Woodlands: A Vision for the New England Landscape*. Harvard Forest, Petersham, Massachusetts.
- 20 Dorazio, R. M., N. J. Gotelli, & A. M. Ellison. 2011. Modern methods of estimating biodiversity from presence-absence surveys. Pages 277-302 in O. Grillo and G. Venora, editors. *Biodiversity loss in a changing planet*. InTech – Open Access Publisher, Croatia.
- 21 Lerner, B., E. Boose, L. Osterweil, A. Ellison, & L. Clarke. 2011. Provenance and quality control in sensor networks. Pages 98-103 in M. B. Jones and C. Gries, editors. *EIM 2011: Proceedings of the Environmental Information Management Conference*. University of California, Santa Barbara, California.
- 22 Ellison, A. M., & E. J. Farnsworth. 2012. Wonderful woodland ants. *Northern Woodlands Summer 2012*: 34-40.
- 23 Zhao, X., B. S. Lerner, L. J. Osterweil, E. R. Boose, & A. M. Ellison. 2012. Provenance support for rework. Article 14 in *TaPP’12: Proceedings of the 4<sup>th</sup> USENIX Workshop on the Theory and Practice of Provenance*, Cambridge, Massachusetts. USENIX Association, Berkeley, California. <http://dl.acm.org/citation.cfm?id=2342889&CFID=127122717&CFTOKEN=44223646>.
- 24 Drummond, F. A., A. M. Ellison, E. Groden, & G. D. Ouellette. 2012. The ants (Formicidae). Pages 29-35 in D. S. Chandler, D. Manski, C. Donahue, & A. Alyokhin, editors. *Biodiversity of the Schoodic Peninsula: results of the insect and arachnid bioblitzes at the Schoodic District of Acadia National Park, Maine*. *Maine Agricultural and Forest Experiment Station Technical Bulletin* 206.
- 25 Ellison, A. M. 2013. Ants for – and as – wildlife. *The Wildlife Professional Summer 2013*: 62-65.
- 26 Shavit, A., and A. M. Ellison. 2013. Symposium 17: There and back again: replication standards in long-term research, integrating the field and database perspectives for future management. *Bulletin of the Ecological Society of America* 94: 395-397.
- 27 Ellison, A. M., & B. Baiser. 2014. Hemlock as a foundation species. Pages 93-104 in D. R. Foster, editor. *Hemlock: A Forest Giant on the Edge*. Yale University Press, New Haven, CT.
- 28 Ellison, A. M., D. A. Orwig, & A. A. Barker Plotkin. 2014. Cut or girdle. Pages 136-152 in D. R. Foster, editor. *Hemlock: A Forest Giant on the Edge*. Yale University Press, New Haven, CT.
- 29 Ellison, A. M. 2014. Reprise: Eastern hemlock as a foundation species. Pages 165-171 in D. R. Foster, editor. *Hemlock: A Forest Giant on the Edge*. Yale University Press, New Haven, CT.
- 30 Ellison, A. M. 2014. World View: Political borders should not hamper wildlife. *Nature* 508: 9.

- 31 Ellison, A. M., & E. J. Farnsworth. 2014. The ants of Massachusetts: biodiversity under our feet. *Massachusetts Wildlife* 64(1): 4-19.
- 32 Ellison, A. M. 2014. They really do eat insects: learning from Charles Darwin's experiments with carnivorous plants. Pages 243-256 in M. J. Reiss, C. J. Boulter, & D. L. Sanders, editors. *Darwin-Inspired Learning*. Sense Publishers, Rotterdam.
- 33 Whitlock, M. C., J. L. Bronstein, E. M. Bruna, A. M. Ellison, C. W. Fox, M. A. McPeck, A. J. Moore, M. A. F. Noor, M. D. Rausher, L. H. Reisberg, M. G. Ritchie, & R. G. Shaw. 2016. A balanced data archiving policy for long-term studies. *Trends in Ecology and Evolution* 31: 84-85.
- 34 McNutt, M., K. Lenhert, B. Hanson, B. A. Nosek, A. M. Ellison, & J. L. King. 2016. Liberating field science samples and data. *Science* 351: 1024-1026.
- 35 Buckley, H. L., B. S. Case, R. Vallejos, J. J. Camarero, E. Gutiérrez, E. Liang, Y. Wang, & A. M. Ellison. Detecting ecological patterns along environmental gradients: alpine treeline ecotones. *Chance* 29(2): 10-15.
- 36 Ellison, A. M. 2016. World View: It's time to get real about conservation. *Nature* 538: 141
- 37 Shavit, A., A. Kolumbus, & A. M. Ellison. 2016. Two roads diverged in a wood: indifference to the difference between 'diversity' and 'heterogeneity' should be resisted on epistemic and moral grounds. Paper presented at the 25<sup>th</sup> Biennial Meeting of the Philosophy of Science Association, 3-5 November 2016, Atlanta, Georgia.
- 38 Ellison, A. M. 2016. Comment protéger la nature? *L'Ecologiste* 17(3): 9.
- 39 Shavit, A., & A. M. Ellison. 2017. Toward a taxonomy of scientific replication. Pages 3-22 in A. Shavit & A. M. Ellison, editors. *Stepping in the Same River Twice: Replication in Biological Research*. Yale University Press.
- 40 Ellison, A. M. 2017. Contingent repeatability of experiments in time and space. Pages 125-134 in A. Shavit & A. M. Ellison, editors. *Stepping in the Same River Twice: Replication in Biological Research*. Yale University Press.
- 41 Ellison, A. M. 2017. Best practices for creating replicable research. Pages 250-265 in A. Shavit & A. M. Ellison, editors. *Stepping in the Same River Twice: Replication in Biological Research*. Yale University Press.
- 42 Ellison, A. M., & A. L. Degrassi. 2017. Commentary: All species are important, but some species are more important than others. *Journal of Vegetation Science* 28: 669-671.
- 43 Williams, A. C., C. G. Willis, J. Goh, C. C. Davis, A. M. Ellison, & E. Law. 2017. Deja vu: Characterizing worker reliability using task consistency. Pages 197-205 in: *Proceedings of the Fifth Conference on Human Computation and Crowdsourcing [HCOMP 2017]*. Association for the Advancement of Artificial Intelligence, Menlo Park, California, USA. Available online: <https://aaai.org/ocs/index.php/HCOMP/HCOMP17/paper/view/15929>.
- 44 Foster, D., K. F. Lambert, D. Kittredge, B. Donahue, C. Hart, W. Labich, S. Meyer, J. Thompson, M. Buchanan, J. Levitt, R. Perschel, K. Ross, G. Elkins, C. Daigle, B. Hall, E. Faison, A. D'Amato, R. Forman, P. Del Tredici, L. Irland, B. Colburn, D. Orwig, J. Aber, A. Berger, C. Driscoll, W. Keeton, R. Lilieholm, N. Pederson, A. Ellison, M. Hunter, & T. Fahey. 2017. *Wildland and Woodlands, Farmlands and Communities: Broadening the Vision for New England*. Harvard Forest, Petersham, Massachusetts
- 44 Chen, Y.-P., & A. M. Ellison. 2017. Don't say the gaint panda is not endangered. *Journal of Earth Environment* 8: 379-383.
- 46 Ellison, A. M., & L. Adamec. 2018. Introduction: what is a carnivorous plant? Pages 3-6 in A. M. Ellison & L. Adamec, editors. *Carnivorous Plants: Physiology, Ecology, and Evolution*. Oxford University Press.

- 47 Ellison, A. M., & L. Adamec. 2018. The future of research with carnivorous plants. Pages 404-405 in A. M. Ellison & L. Adame, editors. *Carnivorous Plants: Physiology, Ecology, and Evolution*. Oxford University Press.
- 48 Fitzpatrick, M. C., & A. M. Ellison. 2018. Estimating the exposure of carnivorous plants to rapid climatic change. Pages 389-403 in A. M. Ellison & L. Adame, editors. *Carnivorous Plants: Physiology, Ecology, and Evolution*. Oxford University Press.
- 49 Ellison, A. M., C. J. LeRoy, K. J. Landsbergen, & E. Bosanquet. 2018. Art/Science collaborations: new explorations of ecological systems, values, and their feedbacks. *Bulletin of the Ecological Society of America*.
- 50 Ellison, A. M. 2018. A sense of scale. *Bulletin of the Ecological Society of America*.
- 51 Ellison, A. M., C. J. LeRoy, K. J. Landsbergen, and E. Bosanquet. 2018. Art/Science collaborations: new explorations of ecological systems, values, and their feedbacks. *Bulletin of the Ecological Society of America*.
- 52 Poppinga, S., F. Alamsyah, U. Bauer, A. Fleischmann, M. Horstmann, S. Klink, S. Kruppert, Q. Lin, U. Müller, A. Northrop, B. Plachno, A. Prins, M. Scharmann, D. Sirová, L. Skates, A. Westermeier, and A. M. Ellison. 2018. What's new in the world of carnivorous plants - Summary of two symposia held in July 2017. *Carnivorous Plant Newsletter* 47(1): 18-27

#### Science fiction

- 1 Farnsworth, E. J., A. M. Ellison, & N. J. Gotelli. 2009. EvoSoap. *Nature* 458: 938.

#### Essays, creative writing, and non-fiction

- 1 Ellison, A. M. 2016. Decomposition and memory. Pages 77-83 in N. Brodie, C. Goodrich, and F. J. Swanson, editors. *Forest Under Story: Creative Inquiry in an Old-growth Forest*. University of Washington Press, Seattle, Washington, USA.
- 2 Ellison, A. M. 2017. *Vanishing Point*. Self-published.

#### Art and architecture

- 1 October – November 2012: Exhibition of photography, Phinehas Newton Library, Royalston, Massachusetts
- 2 October 2017 – November 2018: *Hemlock Hospice* installation and exhibition, co-designed with David Buckley Borden, Harvard Forest, Petersham, Massachusetts.
- 3 March 5–19, 2018: *Hemlock Hospice* in group exhibition, **Shifting Sites**, Rhode Island School of Design, Department of Landscape Architecture, Providence, Rhode Island.

#### Reviews of books and software

- 1 Ellison, A. M. 1991. Simulation of population biology (review of *Populus 1.45*). *Bulletin of the Ecological Society of America* 72: 186-189.
- 2 Ellison, A. M. 1992. Statistics for PCs (comparative review of eight statistical packages). *Bulletin of the Ecological Society of America* 73: 74-87.
- 3 Ellison, A. M. 1992. Review of *Species conservation: a population-biological approach* (A. Seitz & V. Loeschke, editors). *Plant Science Bulletin* 38(1): 20-21.
- 4 Ellison, A. M. & L. Grosslein. 1992. Statistics in different ways (review of *Resampling Statistics 3.0*, & *Statistix 3.5; 4.0*). *Bulletin of the Ecological Society of America* 73: 186-189.
- 5 Ellison, A. M. 1992. Review of *The biology of vines* (F.E. Putz & H.A. Mooney, editors). *Plant Science Bulletin* 38(3): 24-26.
- 6 Ellison, A. M. 1993. A saltmarsh elegy (review of *Saltmarshes: morphodynamics, conservation and engineering significance*, J.R.L. Allen & K. Pye, editors). *BioScience* 43: 174-175.

- 7 Ellison, A. M. 1993. Statistical updates I — *Minitab Release 8 Extended*. *Bulletin of the Ecological Society of America* 74: 61-63.
- 8 Ellison, A. M. 1993. Statistical updates II — *Systat for Windows*. *Bulletin of the Ecological Society of America* 74: 121-123.
- 9 Ellison, A. M. 1993. Statistical updates III - *SigmaStat*. *Bulletin of the Ecological Society of America* 74: 214-216.
- 10 Ellison, A. M. 1993. Review of *Plant biomechanics* (by K.J. Niklas). *Ecology* 74: 1905-1906.
- 11 Ellison, A. M. 1994. *Populus redux* (review of *Populus* 3.22). *Bulletin of the Ecological Society of America* 75: 18-22.
- 12 Ellison, A. M. 1994. Review of *Tropical mangrove ecosystems* (ed. by A.I. Robertson & D. Alongi). *BioScience* 44: 187-188.
- 13 Ellison, A. M. 1994. Review of *Wetlands of the world, volume 1* (ed. by D.F. Whigham, D. Dykyjová, & S. Hejný). *BioScience* 44: 498-499.
- 14 Ellison, A. M. 1994. Right between the eyes (review of *Visualizing data*, by W.S. Cleveland). *Bioscience* 44: 622-623.
- 15 Ellison, A. M. 1994. SAS for OS/2: Base, STAT, INSIGHT. *Bulletin of the Ecological Society of America* 75: 264-266.
- 16 Ellison, A. M. 1995. Review of *A naturalist in Florida* (by Archie Carr). *Quarterly Review of Biology* 70: 62-63.
- 17 Ellison, A. M. 1995. Review of *Biological diversity: the coexistence of species on changing Landscapes* (by M. Huston). *Plant Science Bulletin* 41: 54-56.
- 18 Allison, S. K., W. J. Ehmann, A. M. Ellison, & J. Mull. 1996. A synthetic review of several major ecology textbooks. *Bulletin of the Ecological Society of America* 77: 93-99.
- 19 Ellison, A. M. 1996. Review of *Tropical forests: management and ecology* (edited by A. E. Lugo & C. Lowe). *Plant Science Bulletin* 42: 50-51.
- 20 Ellison, A. M. 1996. Review of *Testimate*, version 5.2. *Bulletin of the Ecological Society of America* 77: 149-151.
- 21 Ellison, A. M. 1997. Review of StatXact, version 3.0. *Bulletin of the Ecological Society of America* 78: 62-63.
- 22 Ellison, A. M. 1997. Review of nQuery Advisor, version 1.0. *Bulletin of the Ecological Society of America* 78: 66.
- 23 Ellison, A. M. 1997. Review of *Gardener's guide to growing Hostas* (by D. Grenfell). *Plant Science Bulletin* 43: 17-18.
- 24 Ellison, A. M. 1998. Human onslaughts in Madagascar (review of *Natural change and human impact in Madagascar*, ed. by S. M. Goodman and B. D. Patterson). *Quarterly Review of Biology* 73: 55-56.
- 25 Ellison, A. M. 1998. Review of PC-Ord, version 3.0. *Bulletin of the Ecological Society of America* 79: 144-145.
- 26 Ellison, A. M. 1998. Review of *The ferns and allied plants of New England*, by A. F. Tryon & R. C. Moran. *Plant Science Bulletin* 44: 58.
- 27 Ellison, A. M. 1999. Abandon all *P*-values, ye who enter here! (Review of *Model selection and inference*, by K. P. Burnham & M. Anderson). *Ecology* 80: 2129-2130.
- 28 Ellison, A. M. 2000. We can run, but we cannot hide (Review of *Requiem for nature*, by John Terborgh). *Ecology* 81: 883-885.
- 29 Ellison, A. M. 2000. Review of EcoSim, version. 4.0. *Bulletin of the Ecological Society of America* 81: 125-127
- 30 Ellison, A. M. 2000. Review of PC-Ord, version 4.0. *Bulletin of the Ecological Society of America* 81: 127-128.

- 31 Ellison, A. M. 2000. Review of *Spatial pattern analysis in plant ecology* (by M. R. T. Dale). *Plant Science Bulletin* 46: 52-53.
- 32 Ellison, A. M. 2000. Review of *Halophyte uses in different climates* (volume 1 edited by H. Leith *et al.*, and volume 2 edited by A. Hamdy *et al.*). *Plant Science Bulletin* 46: 96-97.
- 33 Ellison, A. M. 2001. Review of *Bromeliaceae: portrait of an adaptive radiation* (by D. H. Benzing). *Plant Science Bulletin* 47: 24.
- 34 Ellison, A. M. 2002. A requiem for biodiversity in the Age of Humans (review of *The world according to Pimm: a scientist audits the Earth*, by S. L. Pimm). *Ecology* 83: 1169-1170.
- 35 Ellison, A. M. 2002. Review of *Ecological assembly rules: perspectives, advances, retreats* (edited by E. Weiher and P. Keddy). *Écoscience* 9: 284-285.
- 36 Ellison, A. M. 2002. Review of *Common trees in peat swamp forests of peninsular Malaysia* (by Ng Tian Peng and Shamsudin Ibrahim). *Journal of Tropical Forest Science* 14: 428-429.
- 37 Ellison, A. M. 2002. Review of *Captivating life: a naturalist in the age of genetics* (by John C. Avise). *Quarterly Review of Biology* 77: 455.
- 38 Ellison, A. M. 2002. Review of *An illustrated encyclopedia of Clematis* (by Mary K. Toomey Everett Leeds). *Plant Science Bulletin* 48: 151.
- 39 Ellison, A. M. 2003. Does biodiversity really matter? (review of *Biodiversity and ecosystem functioning: synthesis and perspectives*, edited by M. Loreau, S. Naeem, & P. Inchausti). *Ecology* 84: 2224-2225.
- 40 Ellison, A. M. 2003. Review of *Carnivorous plants of the United States and Canada*, 2<sup>nd</sup> edition (by Donald E. Schnell). *Quarterly Review of Biology* 78: 98.
- 41 Ellison, A. M. 2004. Niches: looking backwards, looking forwards (Review of *Ecological niches: linking classical and contemporary approaches* by Johnathan Chase and Mathew Liebold, and *Niche construction: the neglected process in evolution* by F. John Odling-Smee, Kevin Laland, & Marcus Feldman). *Ecology* 85: 880-882.
- 42 Ellison, A. M. 2004. A cure for a world of wounds? (Review of *Red sky at morning: America and the crisis of the global environment* by J. G. Speth). *Ecology* 85: 3181-3182.
- 43 Ellison, A. M. 2004. Review of *Native trees for North American landscapes* (by G. Sternberg, J. W. Wilson, & J. Wilson). *Plant Science Bulletin* 50: 140-141.
- 44 Ellison, A. M. 2005 Review of *Tococa (Melastomataceae)* (by F. A. Michelangeli). *Plant Science Bulletin* 51: 153-154.
- 45 Ellison, A. M. 2006. The enemy of my enemy is my friend (review of *Plant-provided food for carnivorous insects: a protective mutualism and its applications*, edited by F. L. Wäckers, O. C. J. Van Rijn, & J. Bruin). *Trends in Ecology and Evolution* 21: 66-67.
- 46 Ellison, A. M., & J. L. Butler. 2006. Review of *Hunting for frogs on Elston* (by J. Sullivan). *Quarterly Review of Biology* 81: 73.
- 47 Ellison, A. M. 2007. Renewing the dialectic of food web research (review of *Ecological networks: linking structure and dynamics in food webs*, edited by M. Pascual and J. A. Dunne). *Ecology* 88: 265-266.
- 48 Ellison, A. M. 2008. Review of *The ecology and evolution of ant-plant interactions* (by V. Rico-Gray and P. S. Oliveira). *Plant Science Bulletin* 54: 78-79.
- 49 Ellison, A. M. 2009. Tropical forest ecology comes of age (review of *Tropical forest community ecology*, edited by W. P. Carson and S. A. Schnitzer). *Ecology* 90: 2020-2021.
- 50 Ellison, A. M. 2010. Ecology for our parents and our children (review of *The balance of nature: ecology's enduring myth*, by J. Kricher). *Ecology* 91: 625-626.
- 51 Ellison, A. M. 2010. Review of *Pitcher plants of the Old World, volumes 1 & 2* (by S. McPherson). *Rhodora* 112: 95-97.

- 52 Ellison, A. M. 2010. Review of *From plant traits to vegetation structure: chance and selection in the assembly of ecological communities* (by B. Shipley). *Plant Science Bulletin* 56: 134-136.
- 53 Ellison, A. M. 2011. Back to the future, darkly (review of *Too smart for our own good: the ecological predicament of humankind*, by C. Dilworth). *Ecology* 92: 262-264.
- 54 Ellison, A. M. 2011. Making sense of a complex world (review of *Resolving ecosystem complexity*, by O. Schmitz). *Ecology* 92: 531-532.
- 55 Ellison, A. M. 2012. Review of *Climate change, ecology, and systematics* (edited by T. R. Hodgkinson, M. B. Jones, S. Waldren, & J. A. N. Parnell). *Ecology* 93: 955-956.
- 56 Ellison, A. M. 2012. Homage to Hutchinson (review of *G. Evelyn Hutchinson and the invention of modern ecology*, by N. G. Slack, and *The art of ecology: writings of G. Evelyn Hutchinson*, edited by D. K. Skelly, D. M. Post, & M. D. Smith). *Ecology* 93: 1495-1497.
- 57 Ellison, A. M. 2012. Review of *The world of northern evergreens*, second edition, by E. C. Pielou. *The Quarterly Review of Biology* 87: 253.
- 58 Ellison, A. M. 2012. Sarraceniaceae of the Americas (review of *Sarraceniaceae of South America*, by S. McPherson, A. Wistuba, A. Fleischmann, & J. Nerz, and *Sarraceniaceae of North America*, by S. McPherson and D. Schnell). *Plant Science Bulletin* 58: 173-174.
- 59 Ellison, A. M. 2012. Review of *Aldrovanda: the waterwheel plant*, by A. Cross. *Plant Science Bulletin* 58: 176-177.
- 60 Ellison, A. M. 2013. Stopping the hands of time (review of *Making nature whole: a history of ecological restoration*, by W. R. Jordan III and G. M. Lubick). *Ecology* 94: 766-767.
- 61 Ellison, A. M. 2013. Our schizophrenic national forests (review of *Forests for the people: the story of America's eastern national forests*, by C. Johnson and D. Govatski). *Ecology* 94: 1661-1662.
- 62 Ellison, A. M. 2014. Review of *Multiple stable states in natural ecosystems*, by P. Petraitis. *Ecology* 95: 1433-1434.
- 63 Ellison, A. M. 2015. Review of *The herbaceous layer in forests of eastern North America*, 2<sup>nd</sup> edition, edited by F. S. Gilliam. *Rhodora* 117: 109-111.
- 64 Ellison, A. M. 2016. Our history (review of *A centennial history of the Ecological Society of America*, by F. N. Egerton). *Ecology* 97: 272-273.
- 65 Ellison, A. M. 2016. Review of *Carnivorous plants of Australia: magnum opus*, by Allen Lowrie. *Plant Science Bulletin* 62: 52-53.
- 66 Ellison, A. M. 2017. The new ecology (review of *The new ecology: rethinking a science for the Anthropocene*, by Oswald J. Schmitz). *Ecology* 98: 1731-1732.
- 67 Ellison, A. M. 2017. Review of *The botany of mangroves*, by P. B. Tomlinson. *Plant Science Bulletin* 63: 186-188
- 68 Ellison, A. M. 2018. Review of *Moral ecology of a forest: the nature industry and Maya post-conservation* by José E. Martínez-Reyes). *Bulletin of Latin American Research* (in press).

#### Abstracts

- 1 Ellison, A. M. 1983. Regulation of the population structure of the salt-marsh annual, *Salicornia europaea*. (PBONE, Fall 1983)
- 2 Ellison, A. M. 1985. Morphological plasticity, growth rate and the absence of self-thinning in *Salicornia europaea* L. (ESA, 1985)
- 3 Ellison, A. M. 1986. Morphological determinants of self-thinning in plant monocultures: experimental evidence and evolutionary implications. (PBONE, Spring 1986)
- 4 Ellison, A. M. & B. L. Bedford. 1987. A computer simulation model of wetland plant community ecosystems' responses to changes in hydrology. (SWS, 1987)
- 5 Ellison, A. M. 1988. Density-dependent dynamics of leafed and leafless peas. (ESA, 1988)



- 6 Ellison, A. M. & K. J. Niklas. 1988. Hydraulic architecture and water relations of *Salicornia europaea* L. (BSA, 1988)
- 7 Ellison, A. M. 1988. Facilitations between red mangroves and mangrove-root epifauna, I: Epifauna protects roots from wood-boring isopods. (*Invited paper*, Workshop on a Mangrove Ecosystem, Twin Cays, Belize. Smithsonian Institution).
- 8 Ellison, A. M. & K. Rützler. 1988. Facilitations between red mangroves and mangrove-root epifauna, II: Are sponges nutrient sources for mangrove roots? (*Invited paper*, Workshop on a Mangrove Ecosystem, Twin Cays, Belize. Smithsonian Institution, 1988)
- 9 Ellison, A. M. 1989. Effects of benthic epifauna on root growth of *Rhizophora mangle*. (ESA, 1989)
- 10 Ellison, A. M., D. Rabinowitz, & D. Vam Vikiates. 1989. Effects of plant architecture on growth rate, size variation, and population dynamics of leafless and leafy peas grown in monocultures and mixtures. (*Invited paper*, BES/AAB, 1989)
- 11 Ellison, A. M. & E. J. Farnsworth. 1990. Benthic epifauna: barriers to isopod attack of red mangrove roots. (PBONE/SEEGG, Spring 1990)
- 12 Farnsworth, E. J. & A. M. Ellison. 1990. Patterns of herbivory in Belizean mangrove swamps. (PBONE/SEEGG, Spring 1990).
- 13 Ellison, A. M. & E. J. Farnsworth. 1990. Mangrove root epibionts: patterns of distribution and abundance, and effects on mangrove root growth in Belizean mangal. (*Invited paper*, International Symposium on the ecology of mangroves and related ecosystems. Mombasa, Kenya, 1990)
- 14 Ellison, A. M. & G. Kent. 1991. Seeing the forest for the trees. (*Invited paper*, IBM Academic Computing Conference, Dallas, Texas.)
- 15 Ellison, A. M. & B. L. Bedford. 1991. Computer simulation of freshwater wetland plant communities' responses to changes in hydrology. (ESA, 1991)
- 16 Ellison, A. M., J. S. Denslow, & E. Newell. 1991. Role of gaps and understory vegetation on seedling establishment, growth, and survival. (*Invited symposium paper*, ATB, 1991)
- 17 Ellison, A. M. 1991. Null models for neighborhood models of plant competitive interactions. (PBONE, Fall 1991).
- 18 Farnsworth, E. J. & A. M. Ellison. 1991. Effects of herbivores, neighbors, and tides on seedling success in a mangrove swamp. (PBONE, Fall 1991)
- 19 Dix, A. & A. M. Ellison. 1992. Canopy light regulation of understory perennial flowering phenology at the Harvard Forest. (3<sup>rd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts)
- 20 Ellison, A. M., G. S. Backus & A. Dix. 1992. Seed bank composition and its relationship to understory vegetation in deciduous forest stands at the Harvard Forest. (3<sup>rd</sup> annual Harvard Forest Ecology Symposium)
- 21 Ellison, A. M. & P. M. Dixon. 1992. Null models for neighborhood models of plant competitive interactions. (ESA, 1992)
- 22 Ellison, A. M. & E. J. Farnsworth. 1992. Effects of sponges on red mangrove root growth, rootlet initiation, and nutrient uptake. (ATB, 1992)
- 23 Farnsworth, E. J. & A. M. Ellison. 1992. Distribution and abundance of mangrove root epibionts: models of larval recruitment, species assemblages at micro- and landscape scales, and implications for tree growth. (ATB, 1992)
- 24 Farnsworth, E. J. & A. M. Ellison. 1993. Seedling survivorship, growth, and regeneration in Belizean mangrove swamps. (ATB, 1993)
- 25 Ellison, A. M. & E. J. Farnsworth. 1993. Seasonal growth of mangrove saplings, and patterns of swamp accretion in Belizean mangal. (ATB, 1993)

- 26 Ellison, A. M. & E. J. Farnsworth. 1993. Effects of sponges on red mangrove root growth, rootlet initiation, and nitrogen fixation. (PBONE, 1993).
- 27 Murren, C. J. & A. M. Ellison. 1993. Effects of light and plant size on male and female reproductive success of a neotropical orchid. (PBONE, 1993).
- 28 Ellison, A. M. & E. J. Farnsworth. 1994. Animal-plant interactions, community structure, and ecosystem dynamics in mangrove forests. (ESA, 1994).
- 29 Ellison, A. M. 1995. Bayesian inference in ecological research and environmental decision-making. (ESA, 1995).
- 30 Farnsworth, E. J., A. M. Ellison, W. K. Gong, & F. A. Bazzaz. 1995. Ecophysiological responses of mangrove seedlings to two facets of climate change. (ESA, 1995).
- 31 Ellison, A. M. & L. A. Błędzki. 1996. Are sponge infaunal communities structured? (ESA, 1996).
- 32 Ellison, A. M. & E. J. Farnsworth. 1996. Global diversity patterns of mangroves: can invertebrates distinguish between center of origin and vicariance? (*Invited symposium paper*, Fifth International Congress of Systematic and Evolutionary Biology).
- 33 Błędzki, L. A. & A. M. Ellison. 1997. Are rotifers a basis of the functioning of the pitcher plant trap microecosystem? (ASLO, 1997).
- 34 Ellison, A. M., E. J. Farnsworth, & R. E. Merkt. 1997. Biogeography and paleoecology of mangrove ecosystems: can invertebrates distinguish between center of origin and vicariance? (ESA, 1997).
- 35 Olson, R. J., J. H. Porter, & A. M. Ellison. 1998. Managing, documenting, and archiving long-term ecological data: practical experiences and future directions. (*Invited symposium paper*, ESA, 1998).
- 36 Błędzki, L. A. & A. M. Ellison. 1998. Effect of water flow rate on zooplankton of shallow rheolimnic reservoirs. (XXVII SIL).
- 37 Ellison, A. M. 1999. Restoring mangrove ecosystems: do we know enough? (*Invited symposium paper*, SER/ITTO, 1999).
- 38 Ellison, A. M., & N. J. Gotelli. 2000. Assembly rules for dynamic habitats: pitcher-plants and their associated inquiline communities. (*Invited symposium paper*, ESA, 2000).
- 39 Gotelli, N. J., & A. M. Ellison. 2000. Demographic models for carnivorous plants. (*Invited symposium paper*, ESA, 2000).
- 40 Ellison, A. M. 2000. The NBII and ecologists. (*Invited symposium paper*, ESA, 2000).
- 41 Błędzki, L. A. & A. M. Ellison. 2001. Nutrient regeneration by rotifers in New England (USA) bogs. (XXVIII SIL, 2001).
- 42 Ellison, A. M. 2001. Macroecology of mangroves: large-scale patterns and processes in tropical coastal forests. Plenary address, International Symposium on Mangroves, Tokyo.
- 43 Ellison, A. M. & N. J. Gotelli. 2003. Effects of nutrient stress on a co-evolved food web. (14<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 44 Ellison, A. M., D. R. Foster, & D. Orwig. 2003. Biology of loss and replacement of core species caused by an invasive insect. (14<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 45 Ellison, A. M., & N. J. Gotelli. 2003. Using Bayesian and frequentist statistics to develop individual trait-based models of population dynamics. (ESA, 2003).
- 46 Gotelli, N. J., & A.M. Ellison. 2003. Tanking up: drought, disturbance, and structure of *Sarracenia* food webs. (ESA, 2003).
- 47 Hadley, J., A. Wise, L. Osterweil, E. Boose, L. Clarke, A. Ellison, D. Foster, A. Hanson, D. Jensen, P. Kuzeja, E. Riseman, & H. Schulz. 2003. The analytic web: An internet-accessible record of data transformations in ecology. (LTER All-Scientist Meeting, Seattle, Washington).

- 48 Wise, A., E. Boose, L. Clarke, A. Ellison, D. Foster, J. Hadley, A. Hanson, D. Jensen, P. Kuzeja, E. Riseman, & H. Schulz. 2004. The analytic web: A new internet-accessible program to record data transformations and modeling procedures, applied to net ecosystem exchange (NEE). (Ameriflux network annual meeting, Boulder, Colorado; also presented at ESA, 2004).
- 49 Barker Plotkin, A., A. Ellison, J. Butler, D. R. Foster, & D. Orwig. 2004. Establishment of the hemlock removal manipulation study. (15<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 50 Butler, J. L., D. Atwater, & A. M. Ellison. 2004. Northern pitcher plants: a sink for red spotted newts. (15<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 51 Ellison, A. M., J. Chen, M. Lau, & N. J. Gotelli. 2004. Ant diversity at the Harvard Forest: preliminary data from the Prospect Hill and Simes Tracts, with additional observations from the chronic N addition plots. (15<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 52 Osterweil, L., L. Clarke, A. Hanson, D. Jensen, E. Riseman, H. Schultz, A. Wise, J. Hadley, E. Boose, A. Ellison, D. Foster, & P. Kuzeja. 2004. The analytic web: modeling and processing complex ecological data. (15<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 53 Ratchford, J. S., N. J. Sanders, S. Wittman, A. Ellison, E. Jules, & N. Gotelli. 2004. Dominant species and the abiotic environment shape ant species density and community structure in *Darlingtonia* fens and adjacent forests. (International Union for the Study of Social Insects – North American Section, Camp Tontazona, Arizona).
- 54 Ellison, A. M., J. Chen, D. Díaz, C. Kammerer-Burnham, & M. Lau. 2005. Changes in ant community structure and composition associated with hemlock decline in New England. (3<sup>rd</sup> Symposium on Hemlock Woolly Adelgid in the Eastern United States, Asheville, North Carolina).
- 55 Ellison, A. M., J. Chen, D. Díaz, C. Kammerer-Burnham, & M. Lau. 2005. Changes in ant community structure and composition associated with hemlock decline in New England. (16<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 56 Butler, J. L., & A. M. Ellison. 2005. Nitrogen uptake and translocation in *Sarracenia purpurea*. (16<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 57 Butler, J. L., A. M. Ellison, & N. J. Gotelli. 2005. Cycling of inorganic nitrogen through the pitcher plant food web. (16<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 58 Barker Plotkin, A., A. M. Ellison, D. Foster, & D. Orwig. 2005. Logging in the hemlock manipulation study. (16<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 59 Karagatzides, J., J. L. Butler, & A. M. Ellison. 2005. *Sarracenia* can directly acquire organic nitrogen and short-circuit the inorganic nitrogen cycle. (16<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 60 Albani, M., A. M. Ellison, D. Medvigy, P. Moorcroft, & D. Orwig. 2005. Modeling HWA impact at the regional scale with the Ecosystem-Demography model. (16<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 61 Ellison, A. M. 2005. Nutrient limitation and stoichiometry of carnivorous plants: is it time to reassess the cost-benefit model for their evolution? (*Invited keynote lecture*, XVII International Botanic Congress, Vienna, Austria).
- 62 Ellison, A. M., N. J. Gotelli, L. A. Błędzki, & J. L. Butler. 2005. Regulation of food-web structure in the *Sarracenia* microecosystem. (ESA, 2005).

- 63 Butler, J. L., & A. M. Ellison. 2005. Nitrogen cycling dynamics in the northern pitcher plant, *Sarracenia purpurea*. (ESA, 2005).
- 63 Butler, J. L., & A. M. Ellison. 2005. Nitrogen cycling dynamics in the northern pitcher plant, *Sarracenia purpurea*. (17<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 64 Ellison, A. M. 2006. The hemlock removal experiment: initial changes in environmental variables following treatments. (17<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 65 Ellison, A. M., E. Boose, L. Clarke, D. Foster, J. Hadley, L. Osterweil, & A. Wise. 2006. Ensuring reliable datasets for valid environmental models and useful environmental forecasts. (17<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 64 Ellison, A. M. 2006. Managing mangroves with benthic biodiversity in mind. (*Invited keynote lecture*, Meeting on Mangrove Macrobenthos 2, Gold Coast, Australia).
- 65 Ellison, A. M., & N. J. Gotelli. 2006. Analyzing data when time-series are too short or when replicates are too few: progress, opportunities, and challenges. (*Invited symposium paper*, ESA, 2006).
- 66 Butler, J. L., & A. M. Ellison. 2006. Differential uptake of N from prey versus atmospheric deposition by the carnivorous pitcher plant, *Sarracenia purpurea* (ESA, 2006).
- 67 Ellison, A. M., A. Barker Plotkin, P. Bettman-Kerson, E. Davidson, D. R. Foster, B. Kloeppel, E. LeBlanc, H. Lux, B. Mathewson, P. Moorcroft, D. Orwig, K. Savage, & P. Templer. 2006. The Harvard Forest hemlock removal experiment: experimental design and initial response to treatments. (LTER All-Scientist Meeting, Estes Park, Colorado).
- 68 Record, S., A. M. Ellison, & A. Arguello. 2006. Ant biodiversity at the Simes Tract of Harvard Forest. (LTER All-Scientist Meeting, Estes Park, Colorado; also presented at the 18<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts, in 2007).
- 69 Ellison, A. M., L. J. Osterweil, E. R. Boose, L. A. Clarke, J. L. Hadley, A. Wise, & D. R. Foster. 2006. Ensuring reliable datasets for environmental models and forecasts. (ISEI5: The 5<sup>th</sup> International Conference on Ecological Informatics, Santa Barbara, California)
- 70 Barker Plotkin, A., A.M. Ellison, D. Orwig, & B. Simmons. 2007. Early vegetation responses in the Simes hemlock removal experiment. (18<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 71 Boose, E., L. Clarke, A. Ellison, D. Foster, J. Hadley, L. Osterweil, & A. Wise. 2007. Cyberinfrastructure for an ecohydrological sensor network. (18<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 72 Boose, E. R., A. M. Ellison, L. J. Osterweil, L. Clarke, R. Podorozhny, A. Wise, J. L. Hadley, & D. R. Foster. 2007. Data provenance and reliability in sensor networks. (CESN07: Conference on Coastal Environmental Sensing Networks, Boston, Massachusetts).
- 73 Boose, E. R., A. M. Ellison, L. J. Osterweil, L. Clarke, R. Podorozhny, A. Wise, J. L. Hadley, & D. R. Foster. 2007. Cyberinfrastructure for an ecohydrological sensor network. (ESA, 2007).
- 74 Gotelli, N. J., & A. M. Ellison. 2007. Three-way interactions mediate spatial patterns of carnivorous pitcher plants, herbivorous moths, and ground-foraging ants in New England bogs. (ESA, 2007).
- 75 Ellison, A. M., M. R. Johnston, & K. C. McBride. 2007. A preliminary assessment of ant species diversity on Cape Cod, Martha's Vineyard, and Nantucket. (2<sup>nd</sup> Nantucket Biodiversity Initiative Conference, Nantucket, Massachusetts).
- 76 Ellison, A. M., N. J. Gotelli, S. Cover, T. Allison, R. Buchsbaum, R. Hopping, M. Johnston, K. McBride, & J. Richburg. 2008. A preliminary assessment of ant species diversity on

- Cape Cod, Martha's Vineyard, and Nantucket. (13<sup>th</sup> Cape Cod Natural History Conference, West Barnstable, Massachusetts).
- 77 Boynton, P. J., A. M. Ellison, & A. Pringle. 2008. Dispersal limitation and competition in yeasts associated with the purple pitcher plant. (19<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 78 Boynton, P. J. A. A. Barker Plotkin, A. M. Ellison, & A. Pringle. 2008. Effects of distance and removal treatment on polypore fungi in hemlock removal plots. (19<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 79 Ellison, A. M., N. J. Gotelli, J. Mejia, & M. Johnston. 2008. Fine-scale biodiversity patterns in the distribution of temperate, North American ants: interactions among climate, habitat, and land-use history. (19<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 80 Hart, C., & A. M. Ellison. 2008. Succession of predatory arthropod diversity (spiders and ground beetles) in newly harvested pine plantations. (19<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 81 Sackett, T., A. Classen, A. M. Ellison, N. J. Gotelli, N. Reynolds, & N. Sanders. 2008. How are ground-dwelling micro-arthropod communities and nutrient flow affected by the loss of hemlock? (19<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 82 Wen, X., & A. M. Ellison. 2008. Biology of the hemlock borer, *Malanophila fulvoguttata*. (19<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 83 Ellison, A. M., N. J. Gotelli, J. Mejia, & M. Johnston. 2008. Fine-scale biodiversity patterns in the distribution of temperate, North American ants: interactions among climate, habitat, and land-use history. (ESA, 2008).
- 84 Ellison, A. M., & B. Dennis. 2008. What statistics do literate ecologists need to learn, and is there a best way to learn them? (*Invited Symposium Paper*, ESA, 2008).
- 85 Boynton, P. J., A. M. Ellison, & A. Pringle. 2009. Polypore diversity in hemlock removal plots. (20<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 86 Hart, C., & A. M. Ellison. 2009. Pitfall trap designs to maximize spider richness and minimize amphibian by-catch. (20<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 87 Hart, C., J. Mejia, C. Ordoyne, N. J. Gotelli, & A. M. Ellison. 2009. Competition between spiders and pitcher plants? Prey availability and intraguild interactions in bogs. (20<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 88 Oswald, W. W., A. M. Ellison, E. Doughty, G. Ne'eman, & R. Ne'eman. 2009. Palynological analysis of the genus *Sarracenia*. (20<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 89 Sackett, T., A. M. Ellison, & N. Sanders. 2009. How do changes in the canopy of hemlock forests affect litter macroarthropod communities? (20<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 90 Sackett, T., A. M. Ellison, N. Sanders, A. Classen, N. J. Gotelli, & N. Reynolds. 2009. How are ground-dwelling micro-arthropod communities and nutrient flow affected by the loss of hemlock? (20<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 91 Boynton, P. J., C. N. Peterson, A. M. Ellison, K. B. Farley, & A. Pringle. 2009. Competitive outcomes between yeasts that inhabit carnivorous plant pitchers are limited by founding population size. (BSA, 2009).
- 92 Ellison, A. M. 2009. Regime shift interruptus: when do we act? (*Invited Organized Oral Session Paper*, ESA, 2009).
- 93 Hart, C., J. Mejia, N. J. Gotelli, & A. M. Ellison. 2009. Competition between spiders and pitcher plants? Prey availability and intraguild interactions in bogs. (ESA, 2009).
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- 94 Bennett, K. F., & A. M. Ellison. 2009. Nectar, not color, may lure insects to their death (ESA, 2009).
- 95 Record, S., A. M. Ellison, & N. J. Gotelli. 2009. The influence of informed versus uninformed priors on forecasts of growth rates and extinction risks of a New England population of northern pitcher plants (*Sarracenia purpurea* L.). (ESA, 2009).
- 96 Fitzpatrick, M. C., E. L. Preisser, A. M. Ellison, J. Elkinton, & A. Porter 2009. Ecological boundary detection using Bayesian areal wombling: A method to investigate factors influencing the geographic distribution of species. (ESA, 2009).
- 97 Baiser, B., & A. M. Ellison. 2010. Modeling community assembly of the inquiline food web in the northern pitcher plant (*Sarracenia purpurea*) (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 98 Ellison, A. M. 2010. Observational, comparative, and experimental studies of foundation species in eastern forests. (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 99 Hart, C., N. J. Gotelli, J. Mejia, & A. M. Ellison. 2010. Competition between spiders and pitcher plants? Prey availability and trophic interactions in bogs. (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 100 Pelini, S., N. J. Gotelli, N. Sanders, R. R. Dunn, N. McCoy, M. Boudreau, & A. M. Ellison. 2010. Regionally contingent effects of short-term warming on the composition of and ecological processes mediated by ants. (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 101 Pelini, S., M. Boudreau, A. M. Ellison, N. J. Gotelli, N. Sanders, R. R. Dunn. 2010. The consequences of global warming revealed by ants and other arthropods. (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 102 Record, S., S. Frey, A. Contosta, & A. M. Ellison. 2010. Vegetation responses to soil warming and nitrogen deposition in a northeastern forest. (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 103 Record, S., A. M. Ellison, & N. J. Gotelli. 2010. Informed priors improve demographic matrix model forecasts for northern pitcher plants (*Sarracenia purpurea* L.). (21<sup>st</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 104 Boynton, P. J., A. M. Ellison, C. N. Peterson, & A. Pringle. 2010. Maintaining microbial diversity: interactions between competition and dispersal in pitcher plant yeasts cause priority effects and tradeoffs. (IMC9: The Biology of Fungi, Edinburgh, UK).
- 105 Bewick, S. A., K. L. Stuble, J.-P. Lessard, A. M. Ellison, N. J. Gotelli, & N. J. Sanders. 2010. A mechanistic approach to modeling ant communities under warming regimes. (ESA, 2010).
- 106 Gotelli, N. J., B. Baiser, H. L. Buckley, A. M. Ellison, & T. E. Miller. 2010. Effects of nutrient loading in North American bogs and fens: multi-trophic effects of nutrient loading on a continental scale. (ESA, 2010).
- 107 Bennett, K. F., C. M. Hart, & A. M. Ellison. 2010. The effects of nectar production, anthocyanins, and detritus in *Sarracenia purpurea* prey capture. (ESA, 2010).
- 108 Austin, E., A. M. Ellison, N. Sanders, R. Dunn, & A. Classen. 2011. No effect of temperature on wood decomposition after one year in the “warm ants” chambers. (22<sup>nd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 109 Boynton, P. J., A. Pringle, & A. M. Ellison. 2011. Yeast dispersal in pitcher plants. (22<sup>nd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 110 Record, S., M. Fitzpatrick, A. M. Ellison, & A. Finley. 2011. Exploring spatial autocorrelation and spatial random effects in tree species distribution models with the Forest Inventory

- and Analysis data. (22<sup>nd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 111 Smart, S., D. Foster, A. Scott, A. M. Ellison, & P. Henrys. 2011. Testing causal/correlative chains in large-scale ecological datasets: development and application of Bayesian hierarchical path analysis. (22<sup>nd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 112 Ellison, A. M. 2011. The ants of Nantucket and the ants of New England – relationships between local and regional faunas. (11<sup>th</sup> Northeast Natural History Conference, Albany, NY)
- 113 Ellison, A. M., & N. J. Gotelli. 2011. Moths, ants, and pitcher-plants. small and large-scale biogeography of a tri-trophic interaction. (ESA, 2011).
- 114 Tang, J., T. Savas, S. Hackley, X. Yang, J. Melillo, S. Pelini, & A. M. Ellison. 2011. How do soil respiration and its sensitivity to temperature change with different warming experiments? (ESA, 2011).
- 115 Baiser, B., R. S. Ardeshiri, & A. M. Ellison. 2011. Trophic diversity increases ecosystem functioning in a co-evolved food web. (ESA, 2011).
- 116 Pelini, S. L. S. E. Diamond, A. M. Ellison, N. J. Gotelli, N. J. Sanders, & R. R. Dunn. 2011. Warm ants: ant responses to warming across northeastern US forests. (ESA, 2011).
- 117 Record, S., M. C. Fitzpatrick, A. M. Ellison, & A. O. Finley. 2011. Exploring spatial autocorrelation and spatial random effects in tree species distribution models with the forest inventory and analysis data. (ESA, 2011).
- 118 Del Toro, I., & A. M. Ellison. 2011. Ant species diversity along an elevational gradient in the northeastern United States can be used to predict species diversity across a latitudinal gradient. (ESA, 2011).
- 119 Farnsworth, E. J., A. A. Barker Plotkin, & A. M. Ellison. 2012. Seed bank, seed rain, and vegetation dynamics in *Tsuga canadensis* stands: reorganization of forests after foundation species loss due to logging or simulated attack by *Adelges tsugae*. (23<sup>rd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 120 Lustenhouwer, M., L. Nicoll, & A. M. Ellison. 2012. Microclimatic effects of the loss of a foundation species from New England forests. (23<sup>rd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 121 Record, S., A. M. Ellison, M. Fitzpatrick, S. Veloz, & A. Finley. 2012. Random spatial effects improve projections of tree distribution models hindcasted across eight millennia. (23<sup>rd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 122 Record, S., N. Charney, R. M. Zakaria, & A. M. Ellison. Potential geographic distribution of *Rhizophora apiculata* Blume under different future climate change and sea level rise scenarios. (23<sup>rd</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 123 Gotelli, N. J., & A. M. Ellison. 2012. Reconciling museum records and ecological surveys in biogeographic analyses of New England's ant fauna. (ESA, 2012).
- 124 Baiser, B., H. L. Buckley, N. J. Gotelli, & A. M. Ellison. 2012. Predicting food-web structure with metacommunity models. (ESA, 2012).
- 125 Ellison, A. M., E. R. Boose, M. Friedl, C. M. Hart, B. S. Lerner, N. Nkongolo, L. J. Osterweil, M. V. Patel, A. D. Richardson, & J. Tang. 2012. Group projects and group mentorship: building research teams and building capacity at the Harvard Forest summer research program in ecology. (ESA, 2012).
- 126 Ribbons, R. R., N. J. Sanders, A. M. Ellison, & A. T. Classen. Community and ecosystem responses to experimental ant and forest manipulations. (ESA, 2012).
- 127 Ellison, A. M., & N. J. Gotelli. 2012. Diversity and distribution of ants in New England: linking museum records and ecological surveys in biogeographic analyses of a regional ant fauna. (EntSoc, 2012).

- 128 Pelini, S. L., S. E. Diamond, L. M. Nichols, A. M. Ellison, N. J. Gotelli, N. J. Sanders, & R. R. Dunn. 2012. Warm ants: ant responses to warming in low and high latitude eastern U.S. Forests. (EntSoc, 2012).
- 129 Boose, E., L. Clarke, A. M. Ellison, B. Lerner, & L. Osterweil. 2013. The analytic web. (24<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 130 Crone, E., R. Zhang, A. Jäkäläniemi, & A. M. Ellison. How important is “colored” stochasticity for plant population dynamics? (24<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 131 Hassabelkreem, A., & A. M. Ellison. 2013. Applicability of indicator species in long-term monitoring of ecosystems dynamics - Case of amphibians of Harvard Forest. (24<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 132 Record, S., N. Charney, R. M. Zakaria, & A. M. Ellison. 2013. Projecting global mangrove species and community distributions under climate change. (24<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 133 Ribbons, R., A. M. Ellison, N. J. Sanders, & A. T. Classen. 2013. Community and ecosystem responses to experimental ant and forest manipulations. (24<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 134 Silva, R., C. Brandão, I. Del Toro, & A. M. Ellison. 2013. Ant functional diversity in temperate-zone forests: a comparison with Neotropical communities. (24<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 135 Ellison, A. M., & E. J. Farnsworth. 2013. The ants of Rhode Island: historical records and new observations. (Northeast Natural History Conference, 2013).
- 136 Ellison, A. M., N. J. Gotelli, & M. C. Fitzpatrick. 2013. Forecasting species distributions: lessons from ants. (Northeast Natural History Conference, 2013).
- 137 Baiser, B., N. Whitaker, & A. M. Ellison. 2013. Foundation species in food webs. (ESA, 2013).
- 138 Boose, E. R., B. S. Lerner, L. J. Osterweil, & A. M. Ellison. 2013. Retracing our steps in the analysis of data. (ESA, 2013).
- 139 Ellison, A. M., N. J. Gotelli, N. N. Hsiang, A. B. Maidman, & M. Lavine. 2013. *k*-tree density estimation from sparse nearest-neighbor data. (ESA, 2013).
- 140 Silva, R. R., I. Del Toro, C. R. F. Brandão, & A. M. Ellison. 2013. Ant functional diversity in temperate-zone forests: a comparison with Neotropical ants. (ESA, 2013).
- 141 Hassabelkreem, A. A., & A. M. Ellison. 2013. Use of indicator species in monitoring environmental changes: lessons from the past to inform the future. (20<sup>th</sup> International Conference on Environmental Indicators – ICEI 2013).
- 142 Jäkäläniemi, A., E. E. Crone, A. Ellison, P. Lesica, & R. Primack. 2013. Delayed costs of reproduction in long demographic time series in natural plant populations. (5<sup>th</sup> International Orchid Conservation Congress – IOCC 5).
- 143 Ellison, A. M., M. Lavine, P. B. Kerson, A. A. Barker Plotkin, & D. A. Orwig. 2014. Building a foundation: land-use history and dendrochronology reveal temporal dynamics of a *Tsuga canadensis* (Pinaceae) forest. (25<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 144 Ellison, A. M., & J. Kendrick. 2014. Isolating the ecosystem effects of ant community change on forest ecosystem processes following hemlock loss (25<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 145 Boose, E., B. Lerner, & A. M. Ellison. 2014. Collecting and visualizing data provenance in R. (25<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham, Massachusetts).
- 146 Ellison, A. M. 2014. Statistical software and ecology: paths and impediments for scientific progress and thought. (ESA, 2014).



- 147 Miller, K. A., C. Penick, A. Nguyen, A. M. Ellison, N. J. Gotelli, & S. H. Cahan. 2014. Variation  
in worker C:N:P stoichiometry and energy storage across a climate gradient in the  
*Aphaenogaster rudis* species complex. (EntSoc, 2014).
- 148 Ellison, A. M. 2014. Foundation species in forests of the Americas. (ILTER-All-Scientists  
Meeting of the Americas, 2014).
- 149 Buckley, H. L., B. S. Case, & A. M. Ellison. 2015. Using codispersion analysis to quantify forest  
spatial pattern. (26<sup>th</sup> annual Harvard Forest Ecology Symposium, Petersham,  
Massachusetts).
- 150 Ellison, A. M., B. Rose, & M. Patel. 2015. The Harvard Forest Summer Research Program in  
Ecology: 25 years of synergy with the Harvard Forest LTER. (26<sup>th</sup> annual Harvard Forest  
Ecology Symposium, Petersham, Massachusetts).
- 151 Degrassi, A., A. M. Ellison, & N. J. Gotelli. 2015. Effects of hemlock woolly adelgid on small  
mammal richness and community assemblages in eastern hemlock forests. (ESA, 2015).
- 152 Ellison, A. M., X. Jiang, & M. K. Lau. 2015. The emergence of ecology and the challenges of  
modernism. (ESA, 2015).
- 153 Lau, M. K., & A. M. Ellison. 2015. Temporal scales of coupled ecosystem processes provide a  
benchmark for alternate ecosystem states: photosynthesis and decomposition in a model  
micro-ecosystem. (ESA, 2015).
- 154 McCabe, T., A. M. Ellison, S. D. Frey, A. R. Contosta, & S. Record. 2015. Ant community level  
response to soil warming and nitrogen addition in temperate forests. (ESA, 2015).
- 155 Miller, K., C. Penick, A. M. Ellison, N. J. Gotelli, & S. Helms Cahan. 2015. Variation in C:N:P  
stoichiometry across a climate gradient in worker ants of the *Aphaenogaster rudis* species  
complex. (ESA, 2015).
- 156 Northrop, A. C., R. K. Brooks, A. M. Ellison, B. A. Ballif, & N. J. Gotelli. 2015. Metaproteomic  
survey reveals differences in composition and function between microbial communities  
in detritus-enriched and unmanipulated ecosystems. (ESA, 2015).
- 157 Patel, M. B., B. Rose, & A. M. Ellison. Ten years of student gains from undergraduate research at  
the Harvard Forest Summer Research Program in Ecology. (ESA, 2015).
- 158 Orwig, D. A., J. A. Aylward, H. L. Buckley, B. S. Case, & A. M. Ellison. 2015. Initial census,  
composition, and spatial patterns within the 35 ha ForestGeo plot at Harvard Forest.  
(ESA, 2015).
- 159 Berberich, G., A. M. Ellison, and C. Wohler. 2016. Red wood ants, *Formica rufa*-group, and  
tectonic processes interact and contribute to climatic change. (International Congress of  
Entomology, 2016).
- 160 Nguyen, A., M. Brown, J. Zitnay, N. J. Gotelli, S. H. Cahan, A. Arnett, and A. M. Ellison. 2016.  
Constraints on cold tolerance and hardening limit the distribution of *Aphaenogaster picea*  
(Formicidae) at its northern range boundary. (Society for the Study of Evolution, 2016).
- 161 Ellison, A. M. 2016. *Sarracenia* as a model system for studying ecological regime shifts.  
(International Carnivorous Plant Society, Biennial Conference, 2016).
- 162 Shavit, A., A. Kolombus, & A. M. Ellison. 2016. Two roads diverged in a wood: indifference to  
the difference between ‘diversity’ and ‘heterogeneity’ should be resisted on epistemic  
and moral grounds. (25<sup>th</sup> Biennial Meeting of the Philosophy of Science Association,  
Atlanta, Georgia).
- 163 Berberich, G. M., M. M. Berberich, A. Grumpe, A. Becker, A. R. Tejada, H. Simpson, S.  
Obamowonyi, M. Schumann, J. Hartmann, C. Wöhler, & A. M. Ellison. 2016. A  
multidisciplinary approach to understand interactions of red wood ants (*Formica rufa*-  
group) and geotectonic processes. (AGU fall meeting, 2016).
- 164 Berberich, G. M., M. B. Berberich, A. Grumpe, A. Becker, J. Hartmann, C. Wöhler, & A. M.  
Ellison. 2017. A multidisciplinary approach to understanding interactions between red

- wood ants (*Formica rufa*-group) and geotectonic processes. (7<sup>th</sup> Central European Workshop of Myrmecology, Krakow, Poland, 2017).
- 165 Ellison, A. M. 2017. Carnivorous plants are ideal model systems for experimental research (SEB, 2017).
- 166 Ellison, A. M., C. C. Davis, E. Law, A. C. Williams, & C. G. Willis. 2017. Herbaria in the digital age: promises and pitfalls of using herbarium records to assess phenological responses to climatic change. (IBC, 2017).
- 167 Ellison, A. M. 2017. Carnivorous plants are ideal model systems for experimental research (IBC, 2017).
- 168 Boose, E. R., A. M. Ellison, E. Fong, M. K. Lau, B. S. Lerner, T. Pasquier, & M. Seltzer. 2017. How to replicate a data analysis. (ESA, 2017).
- 169 Boose, E. R., A. M. Ellison, E. Fong, M. K. Lau, B. S. Lerner, T. Pasquier, & M. Seltzer. 2017. Using data provenance tools to create reliable R scripts. (ESA, 2017).
- 170 Ellison, A. M., & D. B. Borden. 2017. Hemlock hospice: art and science for declining hemlocks and the researchers who study them. (ESA, 2017).
- 171 Lau, M. K., A. M. Ellison, A. Nguyen, S. Helms Cahan, B. DeMarco, C. A. Penick, N. J. Sanders, R. R. Dunn, & N. J. Gotelli. 2017. The draft genome of *Aphaenogaster* species from across a biogeographic gradient. (ESA, 2017).
- 172 Patel, M. V., A. L. McDevitt, & A. M. Ellison. 2017. Promoting inclusion in STEM fields through REU programs: an evaluation of common program assessment techniques. (ESA, 2017).
- 173 Record, S., T. McCabe, B. Baiser, & A. M. Ellison. 2017. Are foundation species effects different than those of dominant species? A case study of North American ant assemblages. (ESA, 2017).
- 174 Finzi, A. C., M.-A. Giasson, A. Barker Plotkin, E. A. Davidson, M. Dietze, A. Ellison, S. Frey, T. Keenan, W. Munger, S. Ollinger, N. Pedersen, A. Richardson, K. Savage, J. Tang, J. Thompson, C. Williams, Z. Zhou, and D. R. Foster. 2018. The Harvard Forest carbon budget: patterns, processes and responses to global change. (EGU, 2018).
- 175 Ellison, A. M. 2018. “We have met the enemy and he is us”: Professional, social, and financial costs of sharing data. (ESA, 2018).
- 175 Shavit, A., A. Kolumbus, and A. M. Ellison. 2018. Diversity conflicts with heterogeneity in biodiversity models. (26<sup>th</sup> Biennial Meeting of the Philosophy of Science Association, Seattle, Washington).

### ***Short courses taught***

- 2005** Bayesian Statistics (week-long course at University of Stockholm)
- 2011** Ants of New England (week-long course at Eagle Hill Institute, Steuben, Maine)
- 2013** Ants of New England (week-long course at Eagle Hill Institute, Steuben, Maine)
- 2015** Statistics (three-day course Pontificia Universidad Javeriana, Colombia)
- 2015** Spatial Statistics (9-hour short course, University of Duisberg/Essen, Germany)
- 2017** Monitoring and Analysis of Biodiversity Monitoring Data (seven-day intensive course, Faculty of Forestry, University of Khartoum, Sudan)
- 2017** Applications of codispersion analysis to data from large forest dynamics plots (four-day intensive workshop, Institute of Botany, Chinese Academy of Sciences, Beijing, China)

### ***Invited seminars***

- 1985** University of Rhode Island  
Yale University
- 1986** Cornell University

- Ohio University
- 1987** Unity College, Maine  
Amherst College, Massachusetts  
Kyoto University, Japan
- 1988** Johnson State College, Vermont  
University of California, Santa Barbara
- 1989** University of Cincinnati, Ohio  
University of Kentucky  
Organización para Estudios Tropicales, Costa Rica  
Swarthmore College, Pennsylvania  
Universidad de Costa Rica  
Southeastern Louisiana University  
Brown University, Rhode Island  
University of Pennsylvania
- 1990** Mount Holyoke College, Massachusetts  
Skidmore College, New York  
University of South Florida, Tampa  
Swarthmore College, Pennsylvania (Sigma Xi lecture)  
University of Massachusetts, Amherst
- 1991** Savannah River Ecology Laboratory, University of Georgia  
Mount Holyoke College, Massachusetts (Sigma Xi lecture)  
State University of New York, Stony Brook  
Brown University, Rhode Island
- 1992** Vassar College  
Harvard University
- 1994** Harvard Forest, Harvard University  
University of New Hampshire  
Wellesley College  
Instituto Venezolano de Investigaciones Cientificas, Caracas, Venezuela
- 1995** University of Malaya, Kuala Lumpur, Malaysia  
University Sains Malaysia, Penang, Malaysia  
Bose Institute, Calcutta, India  
University of Capetown, South Africa  
Five College Coastal & Marine Science Colloquium (Mt. Holyoke College)
- 1996** Tufts University  
University of Maryland, College Park  
Brown University  
University of New Hampshire  
University of Vermont
- 1997** Eastern Connecticut State University
- 1998** New England Botanical Club  
Marine Biological Laboratory at Woods Hole  
Smithsonian Environmental Research Center
- 1999** Cornell University  
Dartmouth College  
Louisiana State University  
Mount Holyoke College  
University of Mississippi  
New England College

- 2001** University of Florida, Gainesville  
 Appalachian State University  
 Hokkaido University, Sapporo, Japan  
 Harvard Forest, Harvard University  
 University of Massachusetts, Amherst
- 2002** Harvard Forest, Harvard University  
 Harvard University, Dept. of Organismic & Evolutionary Biology
- 2003** University of Pennsylvania
- 2004** University of Massachusetts (Biostatistics course)  
 Kellogg Biological Station (Eminent Ecologist)  
 Coweeta Hydrological Laboratory/LTER  
 University of Tennessee
- 2005** University of Massachusetts (Biostatistics course)  
 Brown University (Experimental Design course)
- 2006** Howard University  
 Delaware State University  
 Ohio State University, Mathematical Biosciences Institute (presenter in workshop on uncertainty in ecological analysis)  
 University of Massachusetts (Biostatistics course)  
 State University of New York, Stony Brook
- 2007** Johnson C. Smith University  
 University of North Carolina at Charlotte  
 Livingstone College  
 University of California, Davis (Research seminar; Workshop on Bayesian statistics)  
 Brown University (Workshop on Bayesian statistics)  
 Northern Arizona University (Workshop on Bayesian statistics)  
 University of Texas – Pan-American  
 University of Texas – El Paso
- 2008** University of Florida – Gainesville  
 University of Miami (Distinguished Visiting Professor)  
 Massachusetts Audubon Society Staff Natural History Conference (keynote)  
 Mount Holyoke College  
 University of Massachusetts (Department of Natural Resources and Conservation)  
 University of Massachusetts (Department of Statistics)  
 University of Massachusetts (Department of Plant, Soil, and Insect Science)  
 Ecosystem Center at the Marine Biological Laboratory, Woods Hole  
 University of Minnesota (Department of Plant Biology)  
 Michigan Technological University  
 Howard University
- 2009** Boston University (Department of Studio Art)  
 Cambridge Entomological Club  
 Harvard University Center for the Environment (Biodiversity, Ecology & Global Change lecture series)
- 2010** University of Rhode Island (Ledermann Lecture in Natural History & Conservation Biology)  
 Northeastern University  
 Bennington College  
 Athol Public Library  
 Cornell University

- Boston University
- 2011** Arizona State University (EU Workshop on Community Genetics of Foundation Species)  
Coolidge Corner Theater (Science on Screen series, introduction to *Little Shop of Horrors*)  
Lincoln University (Missouri)  
Rhode Island College  
Eagle Hill Institute (Maine)  
University of Massachusetts at Boston
- 2012** Brown University  
Florida State University  
Arnold Arboretum (Harvard University)  
Harvard Museum of Natural History  
New England Wild Flower Society
- 2013** Dartmouth College (Department of Biology)  
Dartmouth College (Institute for Lifelong Education)  
Tel Hai College, Israel  
Israel Academy of Sciences - HaMaarag Symposium  
Ramat Hanadiv, Israel  
Eagle Hill Institute (Maine)  
Chinese Forestry Academy (Beijing, China)  
Beijing Forestry University (Beijing, China)  
South China Agricultural University (Guangzhou, China)  
Xishuangbanna Tropical Botanical Garden (Yunnan, China)  
Kunming Institute of Zoology (Kunming, China)  
Lyndon State College (Vermont)  
Nantucket Biodiversity Initiative Biennial Research Conference (keynote)  
Yale University (Ostrom Natural History Lecture Series)  
Yale University (Yale Institute for Biospheric Studies)  
University of Vermont
- 2014** Garden Club of the Back Bay (Boston)  
University of Illinois (RCN Forecast Workshop / Advanced Software for Ecological Forecasting)  
Bowling Green State University  
Albert-Ludwigs University of Freiburg (Department of Biometry & Environmental Systems Analysis)  
University of Duisburg-Essen (Faculty of Biology / Department of Geology)  
Bedford (New Hampshire) Garden Club  
University of New Hampshire  
Harvard University Herbaria
- 2015** Pontificia Universidad Javeriana, Colombia  
Universidad Nacional de Amazonia – Leticia, Colombia  
University of Copenhagen, Natural History Museum of Denmark  
Linnean Centre for Plant Biology, Uppsala
- 2016** Ohio State University  
Yale University  
Yale Institute for Biospheric Studies  
Yale Department of Ecology & Evolutionary Biology  
Program in Spatial Biodiversity Science and Conservation  
University of the Sunshine Coast (Australia)

Drexel University/Academy of Natural Sciences (Philadelphia)  
 Bryn Mawr College  
 University of Maryland, Baltimore County  
 H. J. Andrews Forest Experiment Station  
 Chinese Academy of Sciences  
     Institute of Earth Environment (Xi'an, China)  
     Institute of Tibetan Plateau Research (Beijing, China)  
     Institute of Applied Ecology (Shenyang, China)  
     Institute of Botany (Beijing, China)  
     Research Center for Eco-Environmental Science (Beijing, China)  
     Kunming Institute of Zoology (Kunming, China)  
 Shenyang Agricultural University (Shenyang, China)  
 Ecological Society of Beijing (Beijing, China)  
 Nanjing Forestry University (Nanjing, China)  
 Beijing Normal University (Beijing, China)  
 Minzu University (Beijing, China)  
 Peking University (Beijing, China)  
 China University of Mining and Technology Beijing (Beijing, China)  
 Universidad Técnica Federico Santa María (Valparaíso, Chile)  
 Museu Paraense Emílio Goeldi (Belém, Brazil)  
**2017** University of Khartoum, Faculty of Forestry  
 University of the Sunshine Coast (Australia)  
 Harvard University, Harvard Forest  
 Yale University, School of Forestry and Environmental Studies  
 University of Colorado, Boulder  
 University of Colorado, Denver  
 Museu Paraense Emílio Goeldi (Belém, Brazil)  
**2018** Smith College<sup>Hemlock Hospice</sup>  
 Hampshire College<sup>Hemlock Hospice</sup>  
 Harvard University, Harvard University Herbaria  
 Harvard University, Graduate School of Design<sup>Hemlock Hospice</sup>  
 Montserrat College of Art<sup>Hemlock Hospice</sup>  
 Northeastern University (School of Architecture)<sup>Hemlock Hospice</sup>  
 Rhode Island School of Design<sup>Hemlock Hospice</sup>  
 Royalston Town Hall<sup>Vanishing Point</sup>  
 New England Carnivorous Plant Society  
 Ohio State University, Science and Technology Studies<sup>Hemlock Hospice</sup>  
 Boston Architectural College<sup>Hemlock Hospice</sup>  
 Broto Conference<sup>Hemlock Hospice</sup>  
 Maine Audubon Society<sup>Hemlock Hospice</sup>  
 Mid-Atlantic Carnivorous Plant Society  
 Athol (Massachusetts) Public Library<sup>Hemlock Hospice</sup>  
 Yale University (Forest Forum)  
 Le Laboratoire (Cambridge, Massachusetts)<sup>Hemlock Hospice</sup>  
 Atlanta Botanical Garden

**Graduate students and post-doctoral fellows (in order of year of completion)**

*M.Sc. / M.A. Students*

**Melissa Iszard-Crowley**, Department of Biological Sciences, Mount Holyoke College (1992)

**Kelley Sullivan**, Harvard Extension School, Harvard University (2005)  
**Grace Barber**, Department of Environmental Conservation, University of Massachusetts (2014)

*Ph.D. Students*

**Sydne Record**, Graduate Program in Plant Sciences, University of Massachusetts (2010)  
**Israel Del Toro**, Graduate Program in Organismic and Evolutionary Biology, University of Massachusetts (2014)  
**Ahmed A. Hassabelkreem Siddig**, Department of Environmental Conservation, University of Massachusetts (2015)

*Ph.D. Committees & External Examiner*

**Fabian Menalled**, Department of Forestry and Wood Technology, University of Massachusetts, Amherst, (1996)  
**Gaurab Gangopadhyay**, Department of Botany, University of Calcutta, India (1997)  
**Sangita Basu**, Department of Botany, University of Calcutta, India (1998)  
**Rochelle Christian**, Ecosystems Research Center, Australian National University (1999)  
**Avril L. de la Cretaz**, Department of Forestry and Wood Technology, University of Massachusetts, Amherst, (2000)  
**Deirdre Joy**, Department of Zoology, University of Vermont, Burlington, Vermont (2001)  
**Jennifer Bowen**, Department of Biology, Boston University (2005)  
**Julie Richburg**, Department of Natural Resource Conservation, University of Massachusetts, Amherst, (2005)  
**Suzette Stephens**, Department of Forestry and Wood Technology, University of Massachusetts, Amherst (2005)  
**Kristin N. Metcalfe**, Faculty of Education, Health and Science, Charles Darwin University, Darwin, NT, Australia (2007)  
**Primrose Boynton**, Department of Organismic and Evolutionary Biology, Harvard University (2012)  
**Virginia Schutte**, Odum School of Ecology, University of Georgia, Athens (2014)  
**Zafar Farroqui**, Centre of Excellence in Marine Biology, University of Karachi, Pakistan (2013)  
**Scott Schneider**, Department of Organismic and Evolutionary Biology, University of Massachusetts, Amherst (2016)  
**Lenora Bittleston**, Department of Organismic and Evolutionary Biology, Harvard University (2016)

*Post-doctoral fellows* (all at Harvard Forest)

**Jim Karagatzides** (2006-2008) [now at Georgian College, Barrie, Ontario]  
**Matthew Fitzpatrick** (2008-2009) [now at University of Maryland Center for Environmental Science, Frostburg, Maryland]  
**Shannon Pelini** (2009-2012) [now at Bowling Green State University, Bowling Green, Ohio]  
**Sydne Record** (2010-2012) [now at Bryn Mawr College, Philadelphia]  
**Benjamin Baiser** (2009-2013) [now at University of Florida, Gainesville]  
**Matthew Lau** (2014-2018)

*Professional service*

*Ecological Society of America:*

1992: Annual Meeting, session chair  
1992; 1997: Annual Meeting, judge: Buell/Braun Award for best paper/poster presented by a graduate student

1994-1995: Appointed member, Ad-hoc Committee on Communication in the Electronic Age; Chair, Subcommittee on Data Archiving

1995: Annual Meeting, Symposium Organizer: “Bayesian Inference in Ecological Research and Environmental Decision-making”

1995-1997: Chair, Statistical Ecology Section

1995-1997: Member, Annual Meeting program committee

1995-1997: Member, ESA Council

1995-1996: Member, Organizing committee: State-of-the-art workshop on ecological resource monitoring, change and trend detection (a joint project of the Ecological Society of America, the American Statistical Association, and the office of the Sustainable Biosphere Initiative)

1995-1998: Appointed member, Ad-hoc Committee on Ecological Data Archiving; Chair 1996-1998.

1999-2001: Member, Mercer Award Committee

2000: Annual Meeting, Symposium Organizer: “Carnivorous Plants as Model Ecological Systems”

2003-2006: Member, Publications Committee

2006: Annual Meeting, Symposium Organizer: “What makes an ecological icon?”

2009: Annual Meeting, judge. E.C. Pielou Award for statistical paper presented by a graduate student

2011-2012: Centennial Committee

2012: Annual Meeting, Organized Oral Session Organizer: “From books to barcodes: challenges and opportunities of next-generation field guides for ecologists, students, and educators”

2013: Annual Meeting, Symposium Co-organizer: “There and back again: standards for replication in long-term research, and integrating field and database perspectives in future management”

2017: Annual Meeting, Ignite Session Organizer: “Ecological art-science collaborations”

2017: Annual Meeting, ESA Senior Advisor to the City of Portland, Oregon, for Earth Stewardship Initiative/Workshop 57 (“Green infrastructure implementation and monitoring in Portland focusing on experimental research and ecological function”).

2018: Annual Meeting, Inspire Session Organizer: “New directions in the ecology, conservation, and management of carnivorous plants.”

*Association for Tropical Biology*

1996: Annual Meeting, Symposium Co-organizer: “Thinking Globally and Working Globally – Ecological Insights from Inter-regional Studies”

1997: Member, annual meeting program committee; Chair, symposium selection committee.

*Society for Ecological Restoration*

1999: Annual Meeting, Symposium Organizer: “Restoration of Mangrove Ecosystems”

*Other national and international service*

1992: Organizer and chair, 1992 meeting of the Population Biologists of New England

1992-1993: Member, Executive Committee *America's Academic Future* (an NSF-sponsored project of Presidential Faculty Fellows, Presidential Young Investigators, and National Young Investigators to remake America's academic culture)



January 1994: Invited panelist, 139<sup>th</sup> Meeting of the NAS Committee on Science, Engineering and Public Policy (Graduate Education Project)  
 February 1994: Invited participant, NSF Second Annual Invitational Conference on Reform in Mathematics and Science Education  
 April 2003: External reviewer (Chair), Department of Biology, Franklin & Marshall University.  
 September 2005: External reviewer, Department of Biology, Bard College.  
 March 2007: Expert panelist (mangroves), IUCN Global Marine Species Assessment.  
 February 2009: member, NSF team reviewing the National Center for Ecological Analysis and Synthesis (NCEAS).  
 2013-2014: Member, NSF task-force on the next generation LTER network office  
 2013-2016: Member, LTER Network Information System Advisory Committee (NISAC)  
 February 2015: External reviewer, Department of Biology, Bowdoin College  
 July 2017: XIX International Botanical Congress, Symposium organizer. "Evolution, ecology, and physiology of carnivorous plants."  
 December 2017: Chair, LTER mid-site review team for Palmer LTER site

*Manuscript and grant reviews (last 2 years only)*

*Ecological Monographs*

*Ecology & Evolution*

*Insectes Sociaux*

*Nature*

National Science Foundation, panelist and reviewer of grant proposals

Oxford University Press

Princeton University Press

Villum Fonden, Copenhagen, Denmark

***Community service***

1995-2001: Occasional *pro bono* consultant to the South Hadley Conservation Commission

1999-2001: Discussion leader, Massachusetts Foundation for the Humanities, Millennial series.

2001-2002: Appointed Commissioner, Holyoke Conservation Commission

2002-2005: Member, Land Protection Committee, Mt. Grace Land Conservation Trust

2005-2010: Chair, Open Space Committee, Town of Royalston, Massachusetts

2002-present: Appointed Commissioner, Royalston Conservation Commission

***Memberships***

Botanical Society of America

Ecological Society of America

New England Botanical Club

***Languages***

Spanish (reading, writing, speaking)

APL

R

Hebrew (reading, writing, speaking)

BASIC

S

French (reading, writing)

FORTRAN

Latin (reading)

PASCAL

Mandarin (basic reading, writing, speaking)