

Kayri Havens

Chicago Botanic Garden
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Education:

- 1982-1985 B.A. in Botany, Southern Illinois University, Carbondale, IL.
- 1985-1988 M.S. in Botany, emphasis in Plant Physiology, Southern Illinois University Carbondale, IL.
- 1988-1994 Ph.D. in Biology, Indiana University, Bloomington, IN. Major in Plant Sciences, Minor in Biochemistry. Dissertation Title: Nonrandom reproductive success in an endangered evening primrose (*Oenothera organensis*).

Experience:

- 1994-1997 Conservation Biologist, Missouri Botanical Garden, St. Louis, MO. Responsible for the curation and interpretation of endangered plants and conducting research on the reproductive biology and autecology of several rare taxa.
- 1997-2000 Manager of Endangered Plant Research, Chicago Botanic Garden, Glencoe, IL. Develops and implements the Garden's program for plant conservation. Responsible for research on, and *ex situ* conservation of, globally rare plant species and their threats. Collaborates with academic and stewardship communities to further conservation efforts. Teaches classes in support of conservation initiatives.
- 2000-2006 Director of the Institute for Plant Conservation, Chicago Botanic Garden, Glencoe, IL
Develops financial support and maintains financial oversight for the department with annual budget of \$2,000,000, as well as duties listed above.
- 2007-present Director, Plant Science and Conservation and Senior Scientist, Chicago Botanic Garden, Glencoe, IL
Oversees research programs in Plant Biology, Restoration Ecology, Conservation Training, and Conservation Projects. Oversees partnerships with Education Division in informal science education, citizen science, continuing education, professional development programs, and K-12 programs. Develops financial support and maintains oversight for the division with an annual budget of \$4,500,000, as well as duties above.

Teaching:

- 1985-1988 Graduate Teaching Assistant at Southern Illinois University; taught General Botany, Plant Physiology and Advanced Plant Physiology
- 1988-1994 Associate Instructor at Indiana University; taught General Biology, Vascular Plants, and Cell Biology
- 1993 Science Instructor (Biology and Chemistry) for the Bloomington High School South Academic Decathlon team
- 1995-1997 Adjunct Faculty at St. Louis College at Meramec, taught General Botany and Introductory Horticulture
- 1996-1997 Adjunct Faculty at University of Missouri, St. Louis, taught Botany
- 1997-present Faculty for School of the Chicago Botanic Garden, teaching Conservation Biology, Invasive Plants, and Plant Reproductive Biology
- 1999-present Adjunct Faculty, Biology, Loyola University, Chicago, teaching Conservation Biology and Plant Reproductive Biology
- 2003-present Adjunct Faculty, Biology, Northwestern University, teaching Conservation Biology
- 2005-present Adjunct Faculty, Biology, University of Illinois - Chicago
- 1999-present Graduate education advising: serve on graduate committees at Northwestern University, University of Wisconsin-Milwaukee, University of Illinois-Chicago and University of Illinois-Urbana Champaign.

Student advising or service on graduate committees:**Post-doctoral student:**

Lara Jefferson, PhD, Curtin University, Western Australia

Completed graduate degrees:

Hanilore Artiomow - U of WI, MS - 2002
Barbara Zorn Arnold - UIC PhD - 2005
Kathleen Craft - UIC PhD - 2005
Leora Siegel - UIUC MS - 2007
Andrea Southgate - NU MS - 2007
Alona Banai - NU MS - 2008
Andrea Kramer - UIC PhD - 2009
Glen Madeja - NU MS - 2010

Current graduate students:

Jennifer Ison - UIC PhD

Paul Gulezian – UIC PhD
Jennifer Alyah – NU MS

Interns (post-Baccalaureate or post-Masters) and undergraduate students advised:

Doug Holland, Lesli Jenkins, Justin Epting, Jennifer Ison, Andrea Tietmeyer Kramer, Midori Murai, Glenn Goodfellow, Heather Sevener, Krissa Skogen, Kathryn Theiss, Heather Lynn Lindon, Britt Forsberg, Caitlin Chamberlin, Anne Claerbout, Betsy Allen, Emily Yates, Rebecca Tonietto, Mary Byrne, Megan Haidet, Christina Andruk, Donovan Harris

Grants and Contracts Received: (Primary investigator unless otherwise noted).

1990-1993	Indiana Academy of Science: Three grants totaling \$1700
1990-1994	Indiana University Research Awards: Four grants totaling \$1000
1995	Bay Foundation, \$5000 Missouri Department of Conservation, \$5000
1996	Missouri Department of Conservation, \$7500 US Fish and Wildlife Service, Region 3, \$10,000
1998	Chicago Wilderness, \$10,695 US Fish and Wildlife Service, Region 3, \$5,000 US Fish and Wildlife Service, Chicago office, \$7500
1999	Chicago Wilderness, \$2000 USDA Forest Service, \$2000 National Fish and Wildlife Foundation, \$23,700
2000	Froehlich Foundation, \$500,000 Institute of Museum and Library Services, \$256,000 Institute of Museum and Library Services, co-PI, \$420,000 Garden Clubs of America, \$14,000 Illinois Department of Natural Resources, \$5000
2001	Froehlich Foundation, \$400,000 Bureau of Land Management, \$300,000 Bureau of Land Management, \$100,000
2002	Froehlich Foundation, \$480,000 Bureau of Land Management, \$300,000 Bureau of Land Management, \$126,000 Bureau of Land Management, \$35,000 Chicago Wilderness, \$15,000
2003	Froehlich Foundation, \$500,000 Bureau of Land Management, \$300,000 Bureau of Land Management, \$100,000 Bureau of Land Management, \$95,000 BP Amoco Leader Award, \$100,000 Institute for Museum and Library Services, co-PI, \$473,072
2004	Bureau of Land Management, \$400,000 Bureau of Land Management, \$126,000

	Bureau of Land Management, \$95,000
	National Fish and Wildlife Foundation, \$33,100
	National Park Service, \$130,000
2005	Bureau of Land Management, \$795,000
	Bureau of Land Management, \$226,000
	Joseph Banks Foundation, \$35,800
	BP Amoco Leader Award, \$25,000
	National Science Foundation, LTREB, \$300,000
	National Science Foundation, MRI, \$285,000
	National Fish and Wildlife Foundation, \$140,000
2006	National Science Foundation, IGERT, (co-PI with Mary Ashley, Univ. of Illinois Chicago), \$2,810,000
	Bureau of Land Management, \$1,500,000
	Bureau of Land Management, \$42,000
	Luce Foundation, \$300,000
	Joseph Banks Foundation, \$70,000
	Center for Invasive Plant Management, \$5000
	National Fish and Wildlife Foundation, \$25,000
	Bureau of Land Management, \$20,000
	National Fish and Wildlife Foundation, \$127,610
2007	Bureau of Land Management, \$1,000,000
	National Fish and Wildlife Foundation, \$160,000
	Joseph Banks Foundation, \$115,000
	American Friends of Kew Foundation, \$70,000
	Froehlich Foundation, \$415,000
2008	Bureau of Land Management, \$4,800,000
	US Botanic Garden (co-PI), \$50,000
	National Fish and Wildlife Foundation, \$35,000
2009	National Fish and Wildlife Foundation, \$125,000
	USDA Forest Service, \$40,000
	Bureau of Land Management, \$1,000,000
	NASA (co-PI), \$149,000
	NASA (co-PI), \$30,000
	NSF-MRI (co-PI), \$305,000
	US Fish and Wildlife Refuges, \$50,000
	Institute for Museum and Library Services (co-PI), \$100,000
2010	Amer. Recovery and Reinvestment Act, \$1,250,000
	Bureau of Land Management, \$3,000,000
	Bureau of Land Management, \$80,000
	Bureau of Land Management, \$412,000
	Institute for Museum and Library Services (co-PI), \$150,000

Awards:

Center for Plant Conservation Star Award – 2002
 Illinois Native Plant Society Award of Merit – 2002
 BP Amoco Leadership Award – 2003
 Plant Conservation Alliance Leadership Award – 2007

Jeanne LaDuke Women in Math, Science and Technology Award – 2007
Secretary of the Interior's Partners in Conservation Award - 2010

Professional Societies and Service:

American Public Gardens Association, member of Conservation Committee (1999-present),
Chair Conservation Committee (2006-2008)

American Institute of Biological Sciences, member of Biodiversity Committee (1997-1998)

Botanic Gardens Conservation International, US Board member and Treasurer (2006-present)

Botanical Society of America, chair of Conservation Committee (1996-1999)

Chicago Wilderness, member of Science and Land Management Team (1997-present), co-chair of Science Team (2005-2009) and chair of seed task force (2002-2004)

Ecological Society of America

Fairchild Tropical Botanical Garden Research Associate

Illinois Endangered Species Protection Board, member of Scientific Review Panel

Invasive Plant Council of Illinois (2002-present)

Illinois Native Plant Society, President (1998-2004)

Lake Forest Open Lands Association, member of board's conservation science committee (2006-2008)

Midwest Invasive Plant Network, Board member (2002-2010) and Treasurer (2002-2007), chair of Green Industry Committee (2003-2010)

Midwestern Rare Plant Task Force, founder and co-coordinator (1997-present)

The Nature Conservancy

Plant Conservation Alliance, cooperater contact

Project BudBurst, co-developer and senior scientist

Society for Conservation Biology

Society for the Study of Evolution

USA National Phenology Network, member of informal science education committee (2005-present)

World Conservation Union (IUCN) Species Survival Commission, Plant Committee (2005-2009)

Peer reviewer for *American Journal of Botany*, *Conservation Biology*, *Conservation Genetics*, *Evolution*, *International Journal of Plant Sciences*, *New Phytologist* and several other journals. External dissertation reviewer for University of Western Australia.

Publications:

Havens, K. 1994. Clonal repeatability of *in vitro* pollen tube growth rates in *Oenothera organensis* (Onagraceae). *American Journal of Botany* 81: 161-165.

Havens, K., K.A. Preston, C.R. Richardson, and L.F. Delph. 1995. Nutrients affect allocation to male and female function in *Abutilon theophrasti* (Malvaceae). *American Journal of Botany* 82: 726-733.

Havens, K. and L.F. Delph. 1996. Differential seed maturation uncouples fertilization and siring success in *Oenothera organensis* (Onagraceae). *Heredity* 76:623-632.

- Havens, K. 1998. The genetics of plant restoration. *Restoration and Management Notes* 16: 68-72.
- Havens, K. and D.L. Holland. 1998. Factors affecting reproductive success in a rare grass, *Calamagrostis porteri* ssp. *insperata*. *Annals of the Missouri Botanical Garden* 85:64-68.
- L.F. Delph and K. Havens. 1998. Pollen competition in flowering plants. In: *Sperm Competition and Sexual Selection*, T.R. Birkhead and A.P. Moller (eds), Academic Press. pp.147-174.
- Ault, J.R. and K. Havens. 1999. Micropropagation of *Baptisia* 'Purple Smoke'. *Hortscience* 34: 353-354.
- Havens, K. 1999. Pollination biology: Implications for rare plant conservation. *Ecological Restoration* 17: 217-219.
- Bell, T.J., M. Bowles, K. Havens, P. Vitt, and K. McEachern. 2002. Reintroducing Pitcher's Thistle. *Endangered Species Bulletin* 27: 14-15.
- Havens, K. 2002. Developing an Invasive Plant Policy: The Chicago Botanic Garden's Experience. *Public Garden* 17: 16-17.
- Guerrant, E.O., K. Havens, M. Maunder (eds.). 2004. *Ex Situ Plant Conservation: Supporting Species Survival in the Wild*. Island Press. 504 pp.
- Maunder, M., K. Havens, E.O. Guerrant, and D. Falk. 2004. *Ex situ* methods: A vital but underused set of conservation resources. In: *Ex Situ Plant Conservation: Supporting Species Survival in the Wild*, E.O. Guerrant, K. Havens, M. Maunder (eds.). Island Press. Pp. 3-20.
- Vitt, P. and K. Havens. 2004. Integrating quantitative genetics into *ex situ* conservation and restoration practices. In: *Ex Situ Plant Conservation: Supporting Species Survival in the Wild*, E.O. Guerrant, K. Havens, M. Maunder (eds.). Island Press. Pp. 286-304.
- Maunder, M., E.O. Guerrant, K. Havens, and K. Dixon. 2004. Realizing the full potential of *ex situ* contributions to global plant conservation. In: *Ex Situ Plant Conservation: Supporting Species Survival in the Wild*, E.O. Guerrant, K. Havens, M. Maunder (eds.). Island Press. Pp. 389-418.
- Guerrant, E.O., P. Fiedler, K. Havens and M. Maunder. 2004. Revised genetic sampling guidelines for conservation collections of rare and endangered plants. In: *Ex Situ Plant Conservation: Supporting Species Survival in the Wild*, E.O. Guerrant, K. Havens, M. Maunder (eds.). Island Press. Pp. 419-441.
- Havens, K., E.O. Guerrant, M. Maunder and P. Vitt. 2004. Guidelines for *ex situ*

- conservation collection management: Minimizing risks. In: *Ex Situ Plant Conservation: Supporting Species Survival in the Wild*, E.O. Guerrant, K. Havens, M. Maunder (eds.). Island Press. Pp. 454-473.
- Havens, K., Jefferson, L. and Vitt, P. 2004. Chicago Botanic Garden Reaches Beyond Its Borders. *Public Garden* 18: 35-36.
- Jefferson, L., K. Havens and J. Ault. 2004. Implementing invasive screening procedures: The Chicago Botanic Garden model. *Weed Technology* 18: 1434-1440.
- Havens, K., M. Maunder, E.O. Guerrant, and P. Vitt. 2004. Conservation Research at Botanic Gardens and Arboreta. *Public Garden* 19: 40-43.
- Maunder, M., K. Havens and E.O. Guerrant. 2004. *Ex situ* plant conservation: out of the garden and into the world. *Public Garden* 19: 8-12.
- Pennacchio, M., Jefferson, L.V. and Havens, K. 2005. *Arabidopsis thaliana*: a useful test species for phytotoxic bioassays. *Journal of Chemical Ecology* 31: 1877-1885.
- Pennacchio, M., Jefferson, L.V. and Havens, K. 2005. Smoke: Promoting germination of tallgrass prairie species. *Chicago Wilderness Journal: Best Practices in Conservation and Restoration* 3: 14-19.
- Farnsworth, E.J., S. Klionsky, W.E. Brumback and K. Havens. 2006. A set of simple decision matrices for prioritizing collection of rare plant species for *ex situ* conservation. *Biological Conservation*. 128:1-12.
- Havens, K. 2006. Developing an invasive plant policy at a botanic garden: lessons learned. *BG Journal* 3: 22-24.
- Havens, K., P. Vitt, M. Maunder, E. O. Guerrant Jr., and K. Dixon. 2006. *Ex Situ Plant Conservation and Beyond*. *BioScience* 56:525-531.
- Pennacchio, M., L. V. Jefferson, K. Havens and P. Olwell. 2007. International Conservation and Land Management Exchange Program. *Public Garden* 22: 29.
- Havens, K., P. Vitt, J. Schwarz, B. Orr and T. Crimmins. 2007. Chicago Botanic Garden's conservation and outreach efforts on climate change. *BG Journal* 4: 13-16.
- Pennacchio, M., Jefferson, L. V., and K. Havens. 2007. Where there's smoke, there's germination. *Illinois Steward Fall*: 24-28.
- Pennacchio, M., Jefferson, L. V. and Havens, K. 2007. The inhibitory effects of plant-derived aerosol smoke on seed germination of *Arabidopsis thaliana*. *Research Letters in Ecology*, Volume 2007, Article ID 65083, 4 pages, published online.

- Jefferson, L.V., Pennacchio, M., Havens, K., Forsberg, B., Sollenberger, D. and Ault, J. 2008. *Ex situ* germination responses of midwestern USA prairie species to plant-derived smoke. *American Midland Naturalist* 159: 251-256.
- Schwarz, J., K. Havens, and P. Vitt. 2008. Understanding climate change through citizen science. *Roots* 5: 22-24.
- Havens, K., P. Vitt, and J. Schwarz. 2008. Your garden, our climate. *Chicagoland Gardening* 2: 20-21.
- Hawkins, B., Sharrock, S. and Havens, K., 2008. *Plants and climate change: which future?* Botanic Gardens Conservation International, Richmond, UK, 98pp.
- Vitt, P., K. Havens, B. Kendall and T.M. Knight. 2009. Community-Level Management Increases the Viability of *Tomanthera auriculata*, a Rare Prairie Annual. *Biological Conservation* 142: 798-805.
- Kramer, A. and K. Havens. Plant Conservation Genetics in a Changing World. 2009. *Trends in Plant Science* 14: 599-607.
- Vitt, P., K. Havens, and O. Hoegh-Guldberg. 2009. Assisted Migration: Part of an Integrated Conservation Strategy. Letter in response to Ricciardi and Simberloff. *Trends in Ecology and Evolution* 24: 473-474.
- Vitt, P., K. Havens, A.T. Kramer, D. Sollenberger, and E. Yates. 2010. Assisted Migration of Plants: Changes in Latitudes, Changes in Attitudes. *Biological Conservation* 143:18-27.
- Pennacchio, M., L. Jefferson and K. Havens. 2010. *Uses and Abuses of Plant Derived Smoke: Its Ethnobotany as Hallucinogen, Perfume, Incense, and Medicine.* Oxford University Press, 247 pp.
- Kramer, A., K. Havens, and B. Zorn-Arnold. 2010. Assessing botanical capacity to address grand challenges in the United States. 64 pp. plus appendices. Available at www.bgci.org/usa/bcap/fullreport.pdf.
- Fant, J., A. Banai, K. Havens and P. Vitt. Morphological and molecular evidence of hybridization between the federally threatened *Lespedeza leptostachya* Englem. and its co-occurring congener *Lespedeza capitata* Michx. *Conservation Genetics*. In Press.
- Sundberg, M., P. DeAngelis, K. Havens, K. Holsinger, K. Kennedy, A.T. Kramer, R. Muir, P. Olwell, K. Schierenbeck, L. Stritch, and B. Zorn-Arnold. Perceptions of strengths and deficiencies; disconnects between university science students and potential employers. *BioScience*. In Press.
- Havens, K. Research at Botanical Gardens. In: *How to Establish and Manage a Public Garden*, D. Rakow and S. Lee (eds.). In press, Wiley Press.

Selected Symposia and Invited Presentations:

- 1995 Organized and chaired a symposium entitled "Plant Conservation Biology: Bridging the Gap between Research and Practice" for the American Institute of Biological Sciences annual meeting
- 1995 Invited departmental seminar at Southern Illinois University-Carbondale entitled "Rare Plant Conservation in the Midwest"
- 1996 Invited departmental seminar at Southern Illinois University-Edwardsville entitled "*Ex Situ* Plant Conservation at the Missouri Botanical Garden"
- 1996 Invited presentations entitled "How to Establish a Living Rare Plant Collection" and "Using Plant Collections for Taxonomic Research" at the American Association of Botanical Gardens and Arboreta annual meeting
- 1996 Organized and chaired a workshop entitled "Plant Conservation Biology in the Pacific Northwest: Research Opportunities and Priorities" for the American Institute of Biological Sciences annual meeting
- 1997 Organized a conference entitled "1997 Midwestern Rare Plant Conference and Task Force Meeting" and gave a presentation at Missouri Botanical Garden
- 1997 Invited presentation for plenary session entitled "Plant Conservation Policy in the United States" at the American Institute of Biological Sciences annual meeting
- 1997 Organized a symposium entitled "Rare Plant Reintroductions: Making the Connections" and gave a presentation at the Society of Ecological Restoration annual meeting
- 1997 Invited departmental seminar at Eastern Illinois University entitled "Rare Plant Conservation at the Chicago Botanic Garden"
- 1997 Organized and moderated a symposium entitled "Plant Population Genetics: Bridging the Gap Between Research and Stewardship" at Chicago Botanic Garden
- 1998 Participated in conservation planning and gave a presentation at the Botanic Garden Conservation Congress, Capetown, South Africa
- 1998 Invited presentation for symposium entitled "Plants on Demand: Research at Botanical Gardens" at American Institute of Biological Sciences annual meeting
- 1998 Organized a conference entitled "1998 Midwestern Rare Plant Conference and

Task Force Meeting" and symposium entitled "Pollination Biology: Implications for Rare Plant Conservation" and gave a presentation at Chicago Botanic Garden

- 1999 Invited participant at the Native Plant Conservation Initiative Strategic Planning Conference
- 1999 Invited departmental seminars at Loyola University, University of Illinois – Chicago and University of Wisconsin - Milwaukee entitled "Nonrandom Reproductive Success in an Endangered Evening Primrose, *Oenothera organensis*"
- 1999 Invited presentation entitled "Plant Population Genetics: Applications for *Ex Situ* and Integrated Conservation Programs" at American Association of Botanic Gardens and Arboreta annual meeting
- 1999 Organized and moderated a conference entitled "Strategies for Survival: *Ex Situ* Plant Conservation" and gave four presentations, "What purposes are served by *ex situ* plant collections;" "Unnatural selection: Genetic change in *ex situ* collections;" "Using demographic and genetic information for the conservation of *Mespilus canescens*;" and "Viability analysis of a restored population of the federal threatened Pitcher's thistle (*Cirsium pitcheri*) in Illinois" at Chicago Botanic Garden
- 2000 Gave keynote address for symposium entitled "Rare Plants and Local Ecotypes: Emerging Issues in Native Plant Restoration" in Minneapolis, MN
- 2000 Invited presentation entitled "Plant Collecting for Conservation Purposes and with a Conservation Ethic" at American Association of Botanic Gardens and Arboreta annual meeting
- 2000 Invited presentation entitled "Viability Analysis of a Restored Population of the Federal Threatened Pitcher's Thistle (*Cirsium pitcheri*) in Illinois" at the Botanical Society of America annual meeting
- 2001 Organized a symposium entitled "The Biology of Small Populations" at Chicago Botanic Garden
- 2001 Invited presentation "Germplasm Acquisition: Conservation Opportunities and Concerns" at the New Ornamental Crops Research Symposium
- 2002 Organized and moderated a symposium entitled "The Ecology and Management of Oak Woodlands" at Chicago Botanic Garden
- 2002 Served on planning committee for "Science for Plant Conservation: An International Conference for Botanic Gardens" in Dublin, Ireland and gave two presentations

- 2002 Moderated a symposium on plant conservation at the Society for Conservation Biology annual meeting, Canterbury, England
- 2002 Gave invited presentations on "Invasive Plants of the Upper Midwest" at University of Wisconsin extension service and Chicago Botanic Garden Collections Field Day
- 2002 Organized and hosted an international conference entitled "Invasive Plants: Global Issues, Local Challenges" in Chicago
- 2003 Invited departmental seminar at University of Chicago entitled, "Ex Situ Plant Conservation: Global Issues"
- 2003 Invited seminar at Loyola University Bioethics Symposium entitled, "Plant Conservation and Genetic Engineering: Potential Ethical Concerns"
- 2003 Organized and moderated a workshop on developing an Illinois Invasive Plant Council at the Illinois Invasive Species Symposium, Bloomington, IL
- 2003 Invited presentations (2) on invasive plants at the Natural Areas Conference, Madison, WI
- 2003 Organized and moderated a symposium entitled, "Sowing the Seeds for Change: Restoration of Plant Communities" at Chicago Botanic Garden
- 2003 Invited presentations (2) on invasive plants at the Invasive Plants in Natural and Managed Systems conference, Ft. Lauderdale, FL
- 2003 Keynote address in restoration genetics at the Florida Rare Plant Task Force meeting, Lake Wales, FL
- 2003 Invited presentation on Conservation and Land Management Program at the Plant Conservation Alliance meeting, Washington, DC
- 2004 Gave three invited papers at the Botanic Gardens Conservation International World Congress, Barcelona, Spain
- 2004 Gave an invited presentation at the Texas Rare Plant Conference, Austin, TX
- 2004 Gave an invited departmental seminar at Benedictine University
- 2004 Gave an invited departmental seminar at University of Chicago
- 2004 Organized and moderated a symposium entitled, "Celebrating 10 years of the Plant Conservation Alliance: Conservation and Restoration of Plant Communities" and presented 3 posters at Chicago Botanic Garden

- 2004 Taught at an international workshop on Botanic Gardens and Conservation, Fairy Lakes Botanic Garden, Shenzhen, China
- 2005 Gave an invited presentation on Conservation and Land Management Program in Perth, Western Australia
- 2005 Gave the keynote address at a joint meeting of the Illinois and Missouri Native Plant Societies
- 2005 Taught at a national workshop on Applied Plant Conservation, organized by Center for Plant Conservation and hosted by Denver Botanic Garden
- 2005 Gave an invited presentation on Weed Risk Assessment at the AABGA annual meeting
- 2005 Gave three presentations at the International Botanical Congress, Vienna
- 2005 Organized and moderated a symposium entitled, "Plant Conservation in an Era of Global Climate Change" and presented 2 posters at Chicago Botanic Garden
- 2006 Gave three presentations at the Ecological Society of America meeting, Merida, Mexico
- 2006 Participated in National Tropical Botanic Garden's workshop on management of living collections
- 2006 Gave two presentations to the joint meeting of BLM and USFS Botanists
- 2006 Participated in Indiana University's Invasive Plant Workshop
- 2006 Taught at a national workshop on Applied Plant Conservation, organized by Center for Plant Conservation and hosted by Denver Botanic Garden
- 2006 Gave an invited presentation on invasive plants at the APGA annual meeting
- 2006 Participated in scientific advisory committee on "Ecotypes and genetic issues in revegetating federal lands," convened by Bureau of Land Management and Center for Plant Conservation, St. Louis Missouri
- 2006 Participated in the National Phenology Network workshop, Milwaukee, Wisconsin
- 2006 Participated in the Nature Conservancy workshop on cultivars of invasive plant species, St. Louis, Missouri

- 2006 Organized and moderated a symposium entitled, "Urban Ecology: Celebrating Ten Years of Chicago Wilderness" and presented 2 posters at Chicago Botanic Garden
- 2007 Gave two invited talks at the Botanic Gardens Conservation International Congress, Wuhan, China
- 2007 Gave the keynote address for Plant Conservation Alliance annual meeting, Washington DC
- 2007 Gave two invited talks at the American Public Garden Association annual meeting, Washington DC
- 2007 Gave keynote address at Native Wildflower Research Symposium, Orlando, FL
- 2007 Participated in the National Phenology Network workshop, Milwaukee, Wisconsin
- 2007 Organized a symposium entitled, "Wild Plant Harvest: Opportunities and Threats" at Chicago Botanic Garden
- 2008 Taught at a national workshop on Applied Plant Conservation, organized by Center for Plant Conservation and hosted by Bishop Museum, HI
- 2008 Co-organized and moderated a symposium entitled, "Climate Crisis: Emerging Consequences of Climate Change" at Chicago Botanic Garden
- 2008 Co-organized and gave a talk in a symposium, "Meeting the Goals of the North American Strategy for Plant Conservation," American Public Garden Association annual meeting, Pasadena, CA
- 2008 Gave a plenary lecture, "Global Climate change and Plant Conservation," at the Botanic Gardens Conservation International World Science Congress, Delft, The Netherlands
- 2008 Gave four talks on citizen science programs and two research posters at the Ecological Society of America annual meeting, Milwaukee, WI
- 2008 Gave a presentation at the 150th anniversary celebration for Illinois Natural History Survey, Urbana, IL
- 2008 Participated in the NSF iPlant collaborative workshop on Plant Adaptation, representing informal science education, Tucson, AZ
- 2009 Gave talks in two symposia, "Conservation Genetics in a Changing World," and "Plants and Climate Change" at the American Public Garden Association annual meeting, St. Louis, MO

- 2009 Gave a presentation at Royal Botanic Gardens, Kew, Restoration Symposium, "Assisted Migration of Plants: Changes in Latitudes, Changes in Attitudes", London, UK
- 2009 Gave a presentation at Center for Plant Conservation, Reintroduction Symposium, "Seed Banking for Assisted Migration"
- 2009 Gave a presentation at the City of Chicago Nature and Wildlife Symposium, "Plant Conservation Priorities for Chicago."
- 2009 Taught at a national workshop on Applied Plant Conservation, organized by Center for Plant Conservation, Phoenix, AZ
- 2010 Organized a symposium and gave a presentation at the Native Seed Congress, "Plant responses to Climate Change," Snowbird, UT
- 2010 Organized and moderated a symposium on "Assisted Migration of Plants," Chicago, IL
- 2010 Gave a presentation at the Fourth Global Botanic Gardens Congress, "Assisted Migration of Plants: Changes in Latitudes, Changes in Attitudes," Dublin, Ireland