

SUSAN M. (SWENSEN) WITHERUP

Department of Biology
Ithaca College
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Education:

- Ph.D.** Plant Physiology and Genetics, 1992, University of Tennessee, Knoxville, TN
M.S. Botany, 1988, University of Tennessee, Knoxville, TN
B.A. Biology, 1985, Grinnell College, Grinnell, IA
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Professional Experience:

- 2011-present **Professor** Department of Biology
2008-2011 **Chair** Department of Biology
2002-2011 **Associate Professor** Department of Biology
1996-2002 **Assistant Professor** Department of Biology, Ithaca College
1995-1996 **Instructor** Department of Biology, Ithaca College
1993-1995 **National Science Foundation Postdoctoral Fellow** Indiana University
(Advisor: Dr. Loren Rieseberg); Courses taught: *Ecology and Evolution*
1994 **Visiting Scientist** Royal Botanic Gardens, Kew, Jodrell Laboratory
(Host: Dr. Mark W. Chase)
1992-1993 **A. W. Mellon Postdoctoral Fellow** Rancho Santa Ana Botanic Garden
(Advisor: Dr. Loren Rieseberg) Courses taught: *Molecular Systematics and Evolution*
(Graduate Level Seminar)
1991-1992 **Research Assistant** University of Tennessee
actinorhizal molecular biology, (Advisor: Dr. Beth Mullin)
1986-1990 **Teaching Assistant** Tennessee Governor's School for the Sciences
Coordinator for Biology Summer Program for H.S. students
1985-1991 **Teaching Assistant** Department of Botany, University of Tennessee
Courses Taught: *Introductory Botany, Plant Physiology, Cell Biology, General Biology Labs*
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Grants:

External Funding

- 2008-2011 **HSBC Foundation Commit-to-Change Grant:** Ithaca College's Environmental and Sustainability Model, for 9 individual components to enhance education and outreach (\$500,000; with S. Allen-Gil and J. Hamilton)
2003-2005 **National Science Foundation Collaborative RUI Grant:** Evolution of host use: phylogenetic analysis of *Blepharoneura* (Diptera: Tephritidae) and its hosts in the subtribe Guraniinae (Cucurbitaceae) (\$72,349)
2004-2005 **National Science Foundation REU Supplemental Grants:** (\$10,088 and \$13,953)
1999-2002 **National Science Foundation RUI Grant:** Phylogenetic study of Begoniaceae (\$100,000 with M. Tebbitt, Brooklyn Botanic Garden)
1999-2000 **National Science Foundation REU Supplements** (\$15,000)
1998-2000 **National Science Foundation Course Curriculum & Laboratory Improvement Grant** (\$45,360)
1993-1997 **National Science Foundation Systematics and Population Biology Grant**
Phylogenetic study of Cucurbitaceae and Allies (\$160,000)
1996-1997 **National Science Foundation REU Supplemental Grants:** (\$10,000)
1993-1994 **The Nature Conservancy:** Genetic analysis of Santa Cruz Island Bush Mallow (\$5,000)

Awards:

- 2003-2011 *Departmental Merit Awards (6)*
2009 *Ithaca College Faculty Excellence Award*
1998, 2006 *School of Humanities & Sciences Dean's Merit Awards*
1992-1993 *Andrew W. Mellon Postdoctoral Fellowship*, Rancho Santa Ana Botanic Garden
1992 *Sigma Xi Travel Award*, University of Tennessee
1990 *Department of Botany Graduate Student Award for Outstanding Teaching*
University of Tennessee
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Peer-Reviewed Publications * student co-author

- Swensen, S. & K. Kubitzki. 2011. Datiscaeeae. In: Kubitzki, K. Ed. The Families and Genera of Vascular Plants. Vol. 10: Flowering Plants Eudicots. Springer-Verlag Berlin. 436 p. ISBN: 978-3-642-14396-0.
- Allen-Gil, S., S. Swensen, & M. Brown. 2010. Roundtable Discussion: Sustainability as an academic discipline. Sustainability: The Journal of Record 3(5): 271-275.
- Condon, M. D., S. J. Scheffer, M. L. Lewis, & S. M. Swensen. 2008. Hidden neotropical diversity: greater than the sum of its parts. Science 320: 928-931.
- Condon, M. D. C. Adams, *D. Bann, *K. Flaherty, *J. Gammons, *J. Johnson, M. L. Lewis, *S. Marsteller, S. J. Scheffer, *F. Serna, & S. M. Swensen. 2008. Uncovering tropical diversity: six sympatric cryptic species of *Blepharoneura* (Diptera: Tephritidae) in flowers of *Gurania spinulosa* (Cucurbitaceae) in eastern Ecuador. Biological Journal of the Linnean Society 93: 779-797.
- Swensen, S. M. & D. R. Benson. 2008. Evolution of actinorhizal host plants and *Frankia* endosymbioses. In: Pawlowski, K. and Newton, W. E., Eds. Nitrogen-Fixing Actinorhizal Symbioses. Series: Nitrogen Fixation: Origins, Applications, and Research Progress. Springer Life Sciences, Boston. 312 p. ISBN: 978-1-4020-3540-1
- Tebbutt, M. C., L. Lowe-Forrest, *A. Santoriello, *W. Clement, & S. M. Swensen. 2006. Phylogenetic relationships of Asian Begonia, with an emphasis on the evolution of rain-ballist and animal dispersal mechanisms in sections *Platycentrum*, *Sphenanthera*, and *Leprosae*. Systematic Botany 31(2): 327-336.
- *Clement, W. L., M. C. Tebbitt, L. L. Forrest, *J. E. Blair, L. Brouillet, T. Eriksson, & S. M. Swensen. 2004. Phylogenetic position and biogeography of *Hillebrandia sandwicensis* (Begoniaceae): a rare Hawaiian relict. American Journal of Botany 91(6): 905-917.
- Berry, A. M., T. M. Murphy, P. A. Okubara, K. R. Jacobsen, S. M. Swensen, & K. Pawlowski. 2004. Novel expression pattern of cytosolic glutamine synthetase in nitrogen-fixing root nodules of the actinorhizal host, *Datisca glomerata*. Plant Physiology 135: 1849-1862.
- Pawlowski, K., S. M. Swensen, C. Guan, A.-E. Hadri, A. M. Berry, & T. Bisseling. 2003. Distinct patterns of symbiosis-related gene expression in actinorhizal nodules from different plant families. Molecular Plant-Microbe Interactions 16(9): 796-807.
- Chase, M.W., S. Zmarzty, M. Delores Lledo, K.J. Wurdack, S. M. Swensen & M.J. Fay. 2002. When in doubt, put it in Flacourtiaceae: a molecular phylogenetic analysis based on plastid rbcL DNA sequences. Kew Bulletin 57 (1): 141-181
- Soltis, D. E., P.S. Soltis, M.W. Chase, M.E. Mort, D.C. Albach, M. Zanis, V. Savlainen, W.H. Hahn, S.B. Hoot, M.F. Fay, *M. Axtell, S.M. Swensen, K.C. Nixon, & J.S. Farris. 2000. Angiosperm Phylogeny inferred from a combined data set of 18S rDNA, rbcL, and atpB sequences. Botanical Journal of the Linnean Society 133: 381-461.
- Fay, M. F., W. Alverson, A. Y. de Bruijn, S. M. Swensen, & M. W. Chase. 1998. Plastid rbcL sequences indicate a close affinity between *Diegodendron* and *Bixa*. Taxon 47: 43-50.

- Swensen, S. M., *J. N. Luthi, & L. H. Rieseberg. 1998. Datisceae revisited: monophyly and the sequence of breeding system evolution. *Systematic Botany* 233(1): 157-169.
- Alverson, W. S., K. Karol, D. A. Baum, M. W. Chase, S. M. Swensen, R. McCourt, & K. J. Sytsma. 1997. Circumscription of the Malvales and relationships to other Rosidae: evidence from *rbcL* sequence data. *American Journal of Botany* 85: 876-887.
- Soltis, D. E., P. S. Soltis, D. L. Nickrent, L. A. Johnson, W. J. Hahn, S. B. Hoot, J. A. Sweere, R. K. Kuzoff, K. A. Kron, M. W. Chase, S. M. Swensen, E. A. Zimmer, S-M Chaw, L. J. Gillespie, W. J. Kress, & K. J. Sytsma. 1997. Angiosperm phylogeny inferred from 18S rDNA sequences. *Annals of the Missouri Botanical Garden* 84: 1-49
- Swensen, S. M. & B. C. Mullin. 1997a. Phylogenetic relationships among actinorhizal plants: the impact of molecular systematics and implications for the evolution of actinorhizal symbioses. *Physiologia Plantarum* 99/4: 565-573.
- Swensen, S. M. & B.C. Mullin. 1997b. The impact of molecular systematics on hypotheses for the evolution of root nodule symbioses and implications for expanding symbioses to new host plant genera. *Plant and Soil* 194/1-2: 185-192
- Fay, M. F., S. M. Swensen, & M. W. Chase. 1996. Taxonomic affinities of *Medusagyne oppositifolia* (Medusagynaceae). *Kew Bulletin* 52 (1): 111-120.
- Morton, C., M. W. Chase, K. Kron, & S. M. Swensen. 1996. A molecular evaluation of the monophyly of the order Ebenales based upon *rbcL* sequence data. *Systematic Botany* 21(4):567-586.
- Swensen, S. M. 1996. The evolution of actinorhizal symbioses: evidence for multiple origins of the symbiotic association. *American Journal of Botany* 83: 1503-1512.
- Soltis, D. E., P. S. Soltis, D. R. Morgan, S. M. Swensen, P. G. Martin, B. C. Mullin, & J. M. Dowd. 1995. Chloroplast gene sequence data suggest a single origin of symbiotic nitrogen fixation in angiosperms. *Proceedings of the National Academy of Science, USA* 92: 2647-2651.
- Swensen, S., G. J. Allan, M. Howe, W. J. Elisens, & L. H. Rieseberg. 1995. Genetic analysis of the endangered island endemic *Malacothamnus fasciculatus* var. *nesioticus*. *Conservation Biology* 9: 404-415.
- Rieseberg, L. & S. Swensen. 1994. Conservation genetics of endangered island plants. Chapter 12 in *Conservation Genetics: Case Histories From Nature*. J. C. Avise and J. L. Hamrick, Eds. Chapman and Hall, New York.
- Swensen, S. M., M. W. Chase, & B. C. Mullin. 1994. A phylogenetic analysis of the Datisceae based on nucleotide sequences from the chloroplast *rbcL* gene. *Systematic Botany* 19(1): 157-168.
- Chase, M. W., D. E. Soltis, R. G. Olmstead, D. Morgan, D. H. Les, B. D. Mishler, M. R. Duvall, R. A. Price, H. G. Hills, Y.-L. Qiu, K. A. Kron, J. H. Rettig, E. Conti, J. D. Palmer, J. R. Manhart, K. J. Sytsma, H. J. Michaels, W. J. Kress, K. G. Karol, W. D. Clark, M. Hedrén, B. S. Gaut, R. K. Jansen, K.-J. Kim, C. F. Wimpee, J. F. Smith, G. R. Furnier, S. H. Strauss, Q.-Y. Xiang, G. M. Plunkett, P. S. Soltis, S. M. Swensen, S. E. Williams, P. A. Gadek, C. J. Quinn, L. E. Eguiarte, E. Golenberg, G. H. Learn, Jr., S. W. Graham, S. C. H. Barrett, S. Dayanandan, and V. A. Albert. 1993. Phylogenetics of seed plants: an analysis of nucleotide sequences from the plastid gene *rbcl*. *Annals of the Missouri Botanical Garden* 80: 528-580.
- Swensen, S. M. 1992. A Phylogenetic Analysis of the Datisceae Based on DNA Sequences from the Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase Gene. Ph.D. dissertation, University of Tennessee, Knoxville.
- Mullin, B. C., S. M. Swensen, and P. Goetting-Minesky. 1991. Hypotheses for the evolution of actinorhizal symbioses. *Nitrogen Fixation: Achievements and Objectives*. Gresshoff, Roth, Stacey, and Newton, Eds. Chapman and Hall, New York.

Mullin, B.C., S. M. Swensen, P. Twigg and P. Goetting-Minesky. 1991. Application of molecular analyses to questions relating to the genetics, ecology and evolution of actinorhizal symbioses. In: Biochemical and Genetic Analyses of Gene Expression in Plants and Bacteria. P.M. Gresshoff, Ed. CRC Press, Baton Rouge.

Presentations at Professional Meetings: *student coauthors; presenter listed first

- *Ryan, L., *Longwich, A. & Witherup, S. 2014. Phylogenetic analysis of the genus *Gurania* (Cucurbitaceae): Effect of alignment on topology. Society for Molecular Biology and Evolution Annual Meeting, San Juan, Puerto Rico June 8-12. [poster presentation]
- Swensen, S., A. *Longwich & M. Condon, 2013. Molecular phylogenetic analysis of the genus *Gurania* (Cucurbitaceae) and a comparison with morphological views of this genus. Botany 2013 (Annual Meeting of the Botany Society of America), New Orleans, LA July 27-31. [poster presentation]
- *Longwich, A., S. Swensen, & M. Condon, 2011. Neotropical cucumbers: phylogenetic reconstruction of the genus *Gurania*. Botany 2011 (Annual Meeting of the Botany Society of America), St. Louis, MO. July 9-14. [poster presentation]
- Swensen, S. 2011. Committed To Change: Ithaca College's Sustainability Education Program Part I. Faculty Development. 5th Beijing International Forum on Education for Sustainable Development. Oct.16-18. Beijing, China.
- Swensen, S., S. Allen-Gil, M. Brown, & M. Darling. 2010. goCARTs: Driving Learning Through Climate Action Plan Implementation. Association for the Advancement for the Sustainability in Higher Education. Denver, CO. Oct 10-12. [oral presentation]
- *Noonan, K., S. Swensen & M. Condon, 2010. Uncovering the mystery of evolutionary relationship in *Gurania*, a neotropical vine. UMass Amherst Plant Biology Symposium Oct 2. [poster presentation]
- Allen-Gil, S. Swensen, S., Brown, M. 2009. Sustainability as an Academic Discipline: Degree Programs. [Panel Discussion] Greening of the Campus VIII. Indianapolis, IN. September 20-23. [panelist]
- *Davis, P., *Chesney, A., Hamilton, J. and S. Swensen. 2008. Ithaca College's greenhouse gas emissions inventory: a piece of the sustainability pie [poster]. Association for the Advancement for the Sustainability in Higher Education Biennial Conference and Expo. Raleigh, NC. Nov. 9-11. [poster]
- Condon, M. M. Lewis, S. Scheffer, S. Swensen. 2008. Diversity hidden in sex-changing vines. Annual Meeting of the Association of Tropical Biology, Paramaribo, Suriname, June 9-13.
- Brown, M. M., S. M. Swensen, J. G. Hamilton, E. Shapiro, and L. Walker. 2007. Exploring Positive Growth: The Sustainability Initiative at Ithaca College. Greening of the Campus VII. Ball State University, Muncie, IN. [poster]
- Swensen, S. M. & J. Hamilton. 2006. Broadening Participation in Sustainability. Annual Meeting of the Association for the Advancement of Sustainability in Higher Education (AAASHE). Arizona State University, Tempe, AZ.
- Swensen, S. M. & J. Hamilton. 2005. Ithaca College's CNS Sustainability Group. Greening of the Campus VI. Ball State University, Muncie, IN. [poster]
- *Clement, W.L., L. L. Forrest, and S. M. Swensen. 2001. Phylogenetic placement of *Hillebrandia sandwichensis* (Begoniaceae). Botany 2001, Albuquerque, NM. [poster]
- Swensen, S.M., *W.L. Clement, L.L. Forrest, and M.C. Tebbitt. 2001. *Hillebrandia sandwichensis*: Evolutionary relationships and biogeography. Botany 2001, Albuquerque, NM.
- Swensen, S. M. & *C. M. Walsh. 1997. A Molecular Phylogeny of Cucurbitaceae. 48th Annual Meeting of AIBS (American Society of Plant Taxonomists), Montreal, Quebec.

- Chase, M. W., M. D. Lledo, M. B. Crespo, & Susan M. Swensen. 1996. When in doubt, put it in Flacourtiaceae: molecular systematics of Flacourtiaceae. *American Journal of Botany* 83:146 [abstract] 47th Annual Meeting of AIBS, Seattle, WA.
- Swensen, S. M., & M. W. Chase. 1995. Relationships of Theales sensu Cronquist from the Perspective of Cladistic Analyses of *rbcL* Sequence Data. 46th Annual Meeting of AIBS (American Society of Plant Taxonomists), San Diego, CA.
- Swensen, S. and B. Mullin. 1995. The Evolution of Actinorhizal Symbioses: Evidence from Phylogenetic Analysis of *rbcL* Genes and Morphology. 10th International Conference on *Frankia* and Actinorhizal Plants. University of California, Davis, CA. August 7.
- Swensen, S. M., G. Allan, & L. H. Rieseberg. 1994. Genetic Analysis of the endangered island endemic *Malacothamnus fasciculatus* var. *nesioticus*. 45th Annual Meeting of AIBS (American Society of Plant Taxonomists), Knoxville, TN.
- Swensen, S. M. & B. C. Mullin. 1994. Was the ancestor of symbiotic actinorhizal plants nodulated? 45th Annual Meeting of AIBS (American Society of Plant Taxonomists), Knoxville, TN.
- Swensen, S. M., M. W. Chase, & B. C. Mullin. 1993. Phylogenetic Affinities of Datisceae. 44th Annual Meeting of AIBS (American Society of Plant Taxonomists), Ames, IA.
- Swensen, S. M. & B. C. Mullin. 1988. The Isolation and Characterization of a DNA Sequence from *Alnus glutinosa* that Hybridizes to a Globin Oligonucleotide Probe. American Society of Plant Physiologists (Southern Section), Blacksburg, VA.
- Swensen, S. M. & B. C. Mullin. 1988. The Isolation and Characterization of a Truncated Globin Gene from *Alnus glutinosa*. 7th International Meeting on *Frankia* and Actinorhizal Plants, Storrs, CT.

Student Presentations: *student coauthors; presenter listed first

- *Morales, A., Piasecki-Masters, C., Bucior, D., VanDyke, M. Witherup, S. 2015. Pollination Biology of *Scaevola plumieri* in Vieques, Puerto Rico. Rochester Academy of Science Fall Paper Session. Finger Lakes Community College, Rochester, NY. [poster presentation]
- *Longwich, A., M. Condon, S. Swensen. 2013. Molecular phylogenetic reconstruction of the neotropical cucumber genus *Gurania* based on the serine/threonine phosphatase low-copy nuclear marker. NCUR 2013. Apr 11-13. LaCrosse, WI.
- *Longwich, A., M. Condon, S. Swensen. 2012. Molecular phylogenetic reconstruction of the neotropical cucumber genus *Gurania*. NCUR 2012. Mar 29-31. Ogden, UT.
- *Scavotto, R. and S. Swensen. 2012. The effects of herbaceous vegetation types on soil microbial diversity. NCUR 2012. Mar 29-31. Ogden, UT.
- *Longwich, A., S. Swensen. 2011. Molecular phylogenetic reconstruction of the neotropical cucumber genus *Gurania*. Rochester Academy of Sciences Scientific Papers Day, Oct. 29, Monroe Community College.
- *Longwich, A., S. Swensen. 2011. Molecular phylogenetic reconstruction of the neotropical cucumber genus *Gurania*. NCUR 2011. Mar 30-Apr 2. Ithaca College.
- *Thompson, J. and S. Swensen. 2010. Ithaca College's Greenhouse Gas Inventory for 2009. 14th Annual James J. Whalen Academic Symposium. Ithaca College, Ithaca, NY.
- *Noonan, K. and S. Swensen. 2010. Rainforest Cucumbers: An Evolutionary History of the Genus *Gurania*. 24th National Conference of Undergraduate Research, University of Montana, Missoula, MT, April 15-17.

- *Davis, P. and S. Swensen. 2008. Ithaca College's Greenhouse Gas Inventory for 2007. 12th Annual James J. Whalen Academic Symposium. Ithaca College, Ithaca, NY.
- *Carrion, D. and S. M. Swensen. 2008. How Low Can You Go? The Effects of Substrate Variation on Green Roof Plants. 22nd National Conference of Undergraduate Research, Salisbury University, Salisbury, MD Apr 10-12.
- *Rivard, R. & S. M. Swensen. 2006. A Study of CNS Computer Plug-load Usage. Eastern Colleges Science Conference (ECSC). Saint Joseph's University, Philadelphia, PA.
- *Rivard, R. & S. M. Swensen. 2006. A Study of CNS Computer Plug-load Usage. James J. Whalen Academic Symposium, Ithaca College.
- *Huyen, S. & S. M. Swensen. 2006. Greenhouse Gas Emissions Calculated for Ithaca College. James J. Whalen Academic Symposium, Ithaca College, NY.
- *Bann, D., S. Swensen, S. Scheffer, M. Condon. 2005. Testing hypotheses of host use in *Blepharoneura* (Diptera: Tephritidae). Eastern Colleges Science Conference (ECSC) Central Connecticut State University, New Britain, CT.
- *Walsh, D., M. Condon, S. Swensen. 2005. Evidence for allele sharing in the internal transcribed spacer of *Gurania* (Cucurbitaceae). Eastern Colleges Science Conference (ECSC) Central Connecticut State University, New Britain, CT.
- *Santoriello, A., S. Swensen, B. Clark Joseph. 2005. Toward a Sustainable Campus, Part I: A Model of the Ithaca College CNS Building Footprint. James J. Whalen Academic Symposium. Ithaca College.
- *Santoriello, A., M. Tebbitt, S. Swensen. 2004. Molecular phylogeny of Asian *Begonia*: effects of combining data from ndhF, ITS, and trnS-psbC. James J. Whalen Academic Symposium. Ithaca College.
- *Clement, W. L. and S. M. Swensen. 2001. Investigation of *Hillebrandia sandwichensis*: Evolutionary Placement in the Family Begoniaceae. National Conference on Undergraduate Research (NCUR), Lexington, KY.
- *Ward, M. and S.M. Swensen. 2000. A phylogenetic analysis of American *Begonia* sections *Gireoudea* and *Pritzelia*. Rochester Academy of Sciences, Roberts Wesleyan College, Rochester, NY.
- *Clement, W. L. & S. M. Swensen. 2000. Investigation of *Hillebrandia sandwichensis*: Evolutionary Placement in the Family Begoniaceae. Eastern States Science Conference (ECSC), Wagner College, Staten Island, NY.
- *Clement, W. L. & S. M. Swensen. 2000. Cladistic Analysis: The Phylogenetic Approach to Understanding Evolution in Plants. CUR Undergraduate Research Posters on Capitol Hill. [poster]
- *Welsh, H.M. & S.M. Swensen. 1999. Actinorhizal Plant Phylogeny Based on *atpB* and 18S DNA Sequences. Rochester Academy of Sciences, Finger Lakes Community College, Canandaigua, NY.
- *Blair, J. E. & S. M. Swensen. 1999. Phylogeny and Biogeography of *Hillebrandia sandwichensis*. National Conference on Undergraduate Research (NCUR). University of Rochester, NY.
- *Blair, J. E. & S. M. Swensen. 1998. Phylogeny and Biogeography of *Hillebrandia sandwichensis*. Eastern States Science Conference (ECSC), Niagara University, Niagara, NY.
- *Axtell, M. J. & S. M. Swensen. 1998. Evolution of Actinorhizal Plants Inferred from *rbcL*, 18S rDNA, and *atpB* DNA sequences. 12th National Conference on Undergraduate Research (NCUR), Salisbury State University, Salisbury, MD.
- *Walsh, C. M. (S. M. Swensen). 1997. The Evolution of Cucurbitaceae: DNA Evidence. President's Academic Symposium, Ithaca College, Ithaca, NY.

Invited Presentations and Outreach:

- Swensen, S. and B. E. Clark Joseph. 2009. Ithaca College's Plan to Achieve Carbon Neutrality Global Warming Teach-In, Ithaca College, Ithaca, NY. February 5.
- Swensen, S. and B. E. Clark Joseph. 2009. Ithaca College's Plan to Achieve Carbon Neutrality, presented to Ithaca College Board of Trustees Buildings & Grounds Committee. Oct 23.
- Swensen, S. 2008. Discovering Biodiversity. Physics Department Colloquium, Ithaca College, Ithaca, NY. Sept 23.
- Swensen, S. 2008. The Quest for a Sustainable World. Sodexo Northeast Regional Meeting, Ithaca College, Ithaca, NY. Jan. 8.
- Swensen, S. 200. South Hill Elementary School, 2nd Grade "Plant Day" (hosted activities for 2nd graders at Ithaca College)
- Swensen, S. 2006. Of Molecules & Mud: Using DNA to Trace the Evolution of Plants. Paleontological Research Institute's Museum of the Earth, Ithaca, NY. Oct. 21.
- Swensen, S. 2005. Plants in Strange Places: Discovering Evolutionary History with Molecules (and mud). Cornell College Biology Department, Mount Vernon, IA. Oct. 18.
- Swensen, S. 2005. The Quest for a Sustainable World: What We Know; What We Can Do. Cornell College DIMENSIONS Program Seminar. Mount Vernon, IA. Oct. 17.
- Swensen, S. 1999. Evolution of Nitrogen-Fixing Symbioses in Angiosperms: Actinorhizal Symbioses. Cornell University, Department of Plant Sciences, Ithaca, NY. March 12.
- Swensen, S. 1998. Evolution of Nitrogen-Fixing Symbioses in Angiosperms: Actinorhizal Symbioses. Department of Biological Sciences Seminar Series, University of Wisconsin, Milwaukee, WI. Nov. 20.
- Swensen, S. 1998. Evolution of Nitrogen-Fixing Symbioses in Angiosperms: Actinorhizal Symbioses. Université de Montréal, Institut de recherche en biologie végétale. Oct. 16.
- Swensen, S. 1997. Workshop: Randomly Amplified Polymorphic DNA (RAPD): Methods and Analysis. Sponsored by Botanical Society of America, 48th Annual Meeting of AIBS, Montréal, Québec.
- Swensen, S. and B. Mullin, 1997. Evolution of Actinorhizal Symbioses. Department of Crop and Soil Science, Oregon State University, Corvallis, March 5.
- Swensen, S. and B. Mullin. 1995. The Evolution of Nitrogen-Fixing Symbioses in Flowering Plants: Actinorhizal Symbioses. Department of Plant Biology, Southern Illinois University, Carbondale, IL. March 24.
- Swensen, S. 1995. Workshop: Randomly Amplified Polymorphic DNA (RAPD): Methods and Analysis. Sponsored by American Society of Plant Taxonomists, 46th Annual Meeting of AIBS, San Diego, CA.
- Swensen, S. 1994. Molecular Studies in Datisceae and Cucurbitaceae. Jodrell Laboratory, Royal Botanic Gardens, Kew, UK. May 20.
- Swensen, S. 1993. Molecular Systematics of Datisceae and Implications for Breeding System Evolution. Department of Biology, University of LaVerne, LaVerne, CA. Sept. 8.
- Swensen, S. 1992. Phylogenetic Affinities of the Datisceae Based on *rbcL* Sequence Analysis Rancho Santa Ana Botanic Garden Seminar Series, Claremont, CA. Oct. 7.

Professional Service:

Associate Editor, The Journal of the Torrey Botanical Society
Systematics & Evolution (2002-present)
External Program Reviewer

Hobart & William Smith Colleges Biology Department (Fall 2013)

Peer Reviewer:

Panel Member: Doctoral Dissertation Improvement Grants (January 1996)

Reviewer of Grant Proposals in Systematic & Population Biology (1993-present)

Professional Reviewer for following journals: *American Journal of Botany*, *Conservation Biology*,
Molecular Biology and Evolution, *Molecular Ecology*, *Plant Phylogenetics and Evolution*, *Plant &
Soil*, *Plant Biology*, *Systematic Botany*, *Theoretical & Applied Genetics*

Professional Societies:

American Society of Plant Taxonomists

Botanical Society of America

Society for Molecular Biology and Evolution

National Center for Science Education