

JODY L. HAYNES

IUCN/SSC Cycad Specialist Group
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EDUCATION

Ph.D. program, 1994-1996, Biological Sciences, Florida International University; primary interest: molecular genetics and evolution of fish communities in the Everglades ecosystem (69 cr. hr.; GPA 3.786)
Ph.D. program, 1992-1994, Biological Sciences, Mississippi State Univ.; transf. to FIU (31 cr. hr.; GPA 3.677)
Master of Science, 1992, Biological Sciences, University of New Orleans (52 cr. hr.; GPA 3.869)
Bachelor of Science, 1989, Biological Sciences, University of Nebraska-Lincoln (173 cr. hr.; GPA 3.175)

EMPLOYMENT HISTORY

Business Development & Estimating Manager, Signature Trees & Palms, Homestead, FL (2010-present)
Estimating Manager, Arazoza Bros. Landscaping & Irrigation, Homestead, FL (2008-2009)
Purchasing Manager, Arazoza Bros. Landscaping & Irrigation, Homestead, FL (2007-2008)
Procurement Manager, Tropics North Landscaping, Homestead, FL (2006-2006)
Cycad Biologist, Montgomery Botanical Center (MBC), Coral Gables, FL (2003-2006)
Program Extension Agent, Florida Yards & Neighborhoods (FYN) Program, University of Florida/Miami-Dade County Extension, Homestead, FL (2000-2002)
Research Biologist, University of Florida Tropical Research & Education Center, Homestead, FL (1997-1999)
Adjunct Lecture, Laboratory, and Independent Study Instructor, Miami-Dade College, Kendall & Homestead, FL, campuses (1997-2000); Courses taught: General Biology Lecture, General Biology Lab, Environmental Science Lecture, Independent Study
Graduate Teaching Assistant and Independent Research Coordinator for Miami Science Magnet high school students, Florida International University, Miami, FL (1992-1996)
Aquatic Biologist, U.S. Army Corps. of Engineers, New Orleans, LA (1990-1992)
Tour Guide, Voyageur Canoe Swamp Tours, Slidell, LA (1990-1992)
Temporary Display Coordinator, University of Nebraska State Museum, Lincoln, NE (1986-1989)

WORK & VOLUNTEER EXPERIENCE

Work Experience

Experience developing and implementing educational and scientific presentations, seminars/workshops, programs, and curricula for local, national, and international audiences
Experience recruiting, managing, teaching, and training employees, students, and volunteers
Experience collecting and analyzing empirical data, publishing scientific papers, and writing technical reports
Experience studying plant species and populations, assessing conservation status (including the *IUCN Red List of Threatened Species*), and developing and implementing local, national, and international conservation efforts
Co-author of two new plant species described from Honduras and three new species described from Panama
Experience as an employee of a major botanical garden and a major natural history museum
Experience visiting/studying botanical gardens across the US and around the world
Experience leading research expeditions and study tours in the southeastern US and Mesoamerica
Experience conducting research and field surveys on federally endangered coastal, estuarine, and riverine species in the southeastern US for the purpose of writing Biological Assessments
Experience fundraising/grant writing, networking, event planning, multi-tasking, and administering large budgets
Knowledge of history and terrestrial and aquatic flora and fauna of south Florida

Volunteer Experience

IUCN – World Conservation Union/Species Survival Commission - Cycad Specialist Group: Invited Member, Secretary, Webmaster (2003-present); Chair, Invasive Species Subgroup (2005-present)

The Cycad Society: Secretary (2001-2007); Chair, Membership Committee (2003-2005); Vice President (2005-2007); Webmaster (2005-present); President (2007-present); Chair, Research, Conservation, and Grants Committee (2007-present)

Campus & Community Alliance for North Dade: Invited Member (2000-2002)

South Florida Palm Society: Director (1999-2002, 2009-present); Secretary (1999-2001); Webmaster (1999-2002); Editor (2009-present)

Palm & Cycad Societies of Florida: Cofounder (1998); Editor/Webmaster (1998-present); Corresponding Secretary (1998-2001); President (2001-2002)

GRANTS & AWARDS

Grants

Panama 2007 Cycad Expedition (2007): \$3,000 – Private donor

Population & Habitat Viability Assessment Workshop, South Africa (2006): \$3,500 – Private donor

Ex-situ Germplasm Collection, MBC (2005): \$5,000 – Association of Zoological Horticulture

Panama 2005 & Costa Rica 2006 Palm & Cycad Expeditions, MBC (2005): \$9,000 – Private donor

Florida 2005 Palm & Cycad Expedition, MBC (2005): \$4,000 – Private donor

Honduran Cycad Study Tour, MBC (2005): \$5,000 – Private donors

Cycad Savannah Test Plot Experiment, MBC (2004): \$10,000 – Stanley Smith Horticultural Trust

Panama 2004 Palm & Cycad Expedition, MBC (2004): \$5,000 – Private donor

Florida Yards & Neighborhoods (FYN) Demonstration Landscape at South Miami-Dade Government Center (2002): \$25,000 – South Florida Water Management District

FYN Demonstration Landscapes (2002): \$1,950 – Shade for Dade

UF/Miami-Dade County FYN Program: \$12,000 in 2001; \$103,000 in 2002 – Miami-Dade Water & Sewer

Awards

Distinguished Service Award, Tropics North Landscaping (2006)

Member of the Year Award, Campus & Community Alliance for North Dade, St. Thomas University (2003)

Sigma Xi Graduate Student Fellowship, University of New Orleans (1992)

PUBLICATIONS, PRESENTATIONS & POSTERS

Refereed Publications

Bonta, M., O. Flores Pinot, D. Graham, J. Haynes & G. Sandoval. 2006. Ethnobotany and conservation of tiusinte (*Dioon mejiae* Standl. & L.O. Williams, Zamiaceae) in northeastern Honduras. *Journal of Ethnobiology* 26:228-257.

Haynes, J.L. 2005. Standardized classification of poeciliid development for life-history studies. *Copeia* 1995(1):147-154.

Haynes, J.L. 2007. Overview of the cycad flora of Honduras. Proceedings of the 7th International Conference on Cycad Biology, Xalapa, Mexico, January 2005. *Memoirs of the New York Botanical Garden* 97:444-453.

Haynes, J.L. & M.A. Bonta. 2007. An emended description of *Dioon mejiae* Standl. & L.O. Williams (Zamiaceae). Proceedings of the 7th International Conference on Cycad Biology, Xalapa, Mexico, January 2005. *Memoirs of the New York Botanical Garden* 97:418-443.

Haynes, J.L. & R.C. Cashner. 1995. Life history and population dynamics of natural and introduced populations of mosquitofish, *Gambusia affinis* (Poeciliidae). *Journal of Fish Biology* 46:1026-1041.

Haynes, J., A. Hunsberger, J. McLaughlin & L. Vasquez. 2001. Drought-tolerant, low-maintenance plants for southern 'Florida Yards' and 'Florida Landscapes'. *Proc. of the Florida State Horticulture Society* 114:192-194.

- Haynes, J.L. & T.E. Marler. *In press*. Conservation through propagation: A novel approach to conserving cycads, with recommendations for two endemic species in India. *Current Science*.
- Haynes, J.L., J. McLaughlin, L. Vasquez & A. Hunsberger. 2004. *Low-maintenance Landscape Plants for South Florida*. Univ. Florida EDIS Publication ENH854. 49 pp.
- Haynes, J.L., L.M. Whitelock, B. Schutzman & R.S. Adams. 2008. A new endemic *Ceratozamia* from Honduras (Cycadales: Zamiaceae). *Cycad Newsletter* 31(2/3):16-21.
- McLaughlin, J., L. Vasquez & J. Haynes. 2008. *Native Landscape Plants for South Florida*. University of Florida EDIS Publication. 23 pp.
- Ploetz, R.C. & J.L. Haynes. 2000. First report of Race 3 of *Fusarium oxysporum* f. sp. *lycopersici* in southeastern Florida. *Plant Disease* 84:199.
- Ploetz, R.C., J.L. Haynes, G. Mullins & R. Sanford. 1999. New fungicides for controlling *Colletotrichum*-incited fruit diseases in South Florida. *Proceedings of the Florida State Horticultural Society* 111.
- Ploetz, R.C., J.L. Haynes, A. Vázquez & D. Benscher. 1998. Evaluation of new banana germplasm in south Florida. *Proceedings of the Florida State Horticultural Society* 110.
- Ploetz, R.C., G. Heine, J.L. Haynes & M. Watson. 2002. An investigation of biological attributes that may contribute to the importance of *Phytophthora capsici* as a vegetable pathogen in Florida. *Annals of Applied Biology* 140:61-67.
- Ploetz, R.C., R. Schnell & J.L. Haynes. 2002. Variable response of open-pollinated seeding progeny of avocado to phytophthora root rot. *Phytoparasitica* 30:262-268.
- Ploetz, R.C., A. Vazquez, & J.L. Haynes. 1999. Responses of new banana accessions in South Florida to Panama disease. *Crop Protection* 18:445-449.
- Ploetz, R.C., A. Vazquez, J. Haynes & D. Benscher. 2000. Performance of new banana germplasm in South Florida. *HortScience* 35:120-124.
- Schutzman, B., R.S. Adams, J.L. Haynes & L.M. Whitelock. 2008. A new endemic *Zamia* from Honduras (Cycadales: Zamiaceae). *Cycad Newsletter* 31(2/3):22-26.
- Taylor, A.S., J.L. Haynes & G. Holzman. 2008. Taxonomical, nomenclatural, and biogeographical revelations in the *Zamia skinneri* species complex (Cycadales: Zamiaceae) of Central America. *Botanical Journal of the Linnean Society* 158:399-429.
- Taylor, A.S., J.L. Haynes & G. Holzman. *In press*. The *Zamia skinneri* (Cycadales: Zamiaceae) complex in Panama. Proceedings of the 8th International Conference on Cycad Biology, Panama City, Panama, January 2008.
- Taylor, A.S., J.L. Haynes, G. Holzman & J. Mendieta. 2007. Variability and structure of natural populations and implications for *Zamia* species in western Panama. Proceedings of the 7th International Conference on Cycad Biology, Xalapa, Mexico, January 2005. *Memoirs of the New York Botanical Garden* 97:557-577.
- Turner, T.F., J.C. Trexler, J.L. Harris & J.L. Haynes. 2000. Nested cladistic analysis indicates population fragmentation shapes genetic diversity in a freshwater mussel. *Genetics* 154:777-785.

Non-refereed Publications

- Chemnick, J. T. Gregory, J. Haynes, M. A. Pérez-Ferrera & L. Whitelock. 2009. Key to the species of *Ceratozamia*. *Cycad Newsletter* 32(4):6-9.
- Gregory, T., J. Haynes & J. Chemnick. 2008. Key to the species of *Dioon*. *Cycad Newsletter* 31(4):16-17.
- Haynes, J. 2000. *Landscape Drought Recommendations*. University of Florida/Miami-Dade County Extension.
- Haynes, J. 2001. *Cycads in the South Florida Landscape*. University of Florida/Miami-Dade County Extension.
- Haynes, J. 2002. Year of the golden cycads. *Cycad Newsletter* 25(4):10-12.
- Haynes, J. 2003a. Cultivation and phenology of *Cycas panzhihuaensis* in South Florida. *Cycad Newsletter* 26(4):12.
- Haynes, J. 2003b. Phenology of *Ceratozamia hildae* in South Florida. *Cycad Newsletter* 26(2):11.
- Haynes, J. 2004a. Phenology of *Bowenia* in South Florida. *Cycad Newsletter* 27(4):12.
- Haynes, J. 2004b. Phenology of *Encephalartos ferox* in South Florida. *Cycad Newsletter* 27(3):10.
- Haynes, J. 2004c. Phenology of *Lepidozamia peroffskyana* in South Florida. *Cycad Newsletter* 27(1):12.

- Haynes, J. 2005a. Biogeographic and phylogenetic parallels in *Dioon* and *Ceratozamia*. *Cycad Newsletter* 28(2):8-9.
- Haynes, J. 2005b. In the company of giants: One botanist's humbling encounters with ancient dioons. *Cycad Newsletter* 28(1):6-9.
- Haynes, J. 2005c. Cycad aulacaspis scale: A global perspective. *Cycad Newsletter* 28(5):3-6.
- Haynes, J. 2006a. Phenology of *Ceratozamia kuesteriana* in South Florida. *Cycad Newsletter* 29(2/3):13.
- Haynes, J. 2006b. Cycad Specialist Group announces website. *Cycad Newsletter* 29(2/3):18.
- Haynes, J. 2006c. *Cycas micronesica* now considered endangered. *Cycad Newsletter* 29(2/3):18.
- Haynes, J. 2007. A taxonomic and bibliographic history of *Microcycas calocoma* (Miq.) A.DC. *Cycad Newsletter* 30(4):18-19.
- Haynes, J. 2008. *Encephalartos horridus* in south Florida. *Cycad Newsletter* 31(1):9.
- Haynes, J. 2009a. *Encephalartos kanga* POCS & Q. LUKE – A newly described 'red cone cycad' from Tanzania. *Cycad Newsletter* 32(1):6-14.
- Haynes, J. 2009b. Taxonomic history, conservation status & morphologic affinities of *Encephalartos kisambo* FADEN & BEENTJE. *Cycad Newsletter* 32(1):15-17.
- Haynes, J. 2009c. Taxonomic and nomenclatural history of the *Zamia skinneri* complex. *Cycad Newsletter* 32(2/3):7-8
- Haynes, J. 2009d. Taxonomic and nomenclatural history, etymology, vernacular names, distribution, and conservation status of *Lepidozamia hopei* (W. Hill) Regel. *Cycad Newsletter* 32(4):10-11.
- Haynes, J.L. 2009e. *Expanded Glossary of Cycad Terms*. The Cycad Society. 51 pp.
- Haynes, J.L. 2009f. *Etymological Compendium of Cycad Names*. The Cycad Society. 19 pp.
- Haynes, J.L. 2009g. *World List of Cycads: A Historical Review*. IUCN/SSC Cycad Specialist Group. 37 pp.
- Haynes, J. 2010a. "HP" vs. "OP": Definitions and significance. *Cycad Newsletter* 33(1):6-7.
- Haynes, J. 2010b. Taxonomic history, morphologic and phylogenetic affinities, habitat, and conservation status of *Encephalartos sclavoi* A. Moretti, D.W. Stev. & De Luca. *Cycad Newsletter* 33(2):10-16.
- Haynes, J., B. Bohnsack & C. Wiese. 2006. Novel leaf production and development in *Macrozamia communis*. *Cycad Newsletter* 29(2/3):7-8.
- Haynes, J. & M. Bonta. 2003. *Montgomery Botanical Center Honduras 2003 Cycad Expedition Final Report*. Unpublished report submitted to AFE-COHDEFOR, Tegucigalpa, Honduras, 160 pp. (English & Spanish)
- Haynes, J. & J. McLaughlin. 2000. *Edible Palms and Their Uses*. UF/Miami-Dade Extension Fact Sheet MDCE-00-50-1.
- Haynes, J. & A. Ordenes. 2002. Florida Yards & Neighborhoods: A case study in nonpoint source pollution education. *Proceedings of the 7th Annual Virgin Islands Nonpoint Source Pollution Conference*.
- Haynes, J. & W. Tang. 2005. Pest Alert: Cycad Aulacaspis Scale. *Cycad Newsletter* 28(3/4):17.
- Holzman, G. & J. Haynes. 2006. Grant awarded to University of Panama professor. *Cycad Newsletter* 29(2/3):19.
- Holzman, G. & J. Haynes. 2010. Variability within cycad species. *Cycad Newsletter* 33(2):3-5.
- Hsieh, E. & J. Haynes. 2007. King sago (*Cycas revoluta*) production in Taiwan, with comments on cycad aulacaspis scale and the endemic *C. taitungensis*. *Cycad Newsletter* 30(3):11-13.
- Tang, W. & J. Haynes. 2005. *IUCN/SSC Cycad Specialist Group – Subgroup on Invasive Pests Report & Recommendations on Cycad Aulacaspis Scale, Aulacaspis yasumatsui Takagi (Hemiptera: Diaspididae)*. IUCN/SSC Cycad Specialist Group, August 2005. 13 pp.

Invited Presentations

Taxonomical, Nomenclatural & Biogeographical Revelations in the Zamia skinneri Complex of Central America (Cycadales: Zamiaceae). 1st Annual Plant ID Fundraiser Event, Deerfield Beach Arboretum, Deerfield Beach, FL (May 2009) & The Cycad Society Cycad Day 2009, Wallace Desert Gardens, Scottsdale, AZ (April 2009)

The Plicate-leafed Zamias of Central America. Inaugural Cycad Conference, Fairview River Lodge, Tzaneen, Limpopo Province, South Africa (2006)

Cycad Aulacaspis Scale: Invasive Pest with Extinction Potential! 5th National Integrated Pest Management Symposium (Session Organizer), St. Louis, MO (2006)

Contributed Presentations

The Plicate-leafed Zamias of Panama. 8th International Conference on Cycad Biology, Panama City, Panama (2008)

Cycad Flora of Honduras. 7th International Conference on Cycad Biology, Xalapa, Veracruz, Mexico (2005)

Redescription of Dioon mejiae: Toward a Taxonomic Description Standard. 7th International Conference on Cycad Biology, Xalapa, Veracruz, Mexico (2005)

Florida Yards & Neighborhoods: A Case Study in Nonpoint Source Pollution Education. 7th Annual Virgin Islands Nonpoint Source Pollution Conference, St. John, U.S. Virgin Islands (2002)

Florida Yards Initiative: A North Dade Partnership. St. Thomas University, Miami (2002)

Jurassic Park Place: Dramatic, Non-Traditional & Innovative Uses for an Ancient & Unique Plant Group (Cycads). University of Florida / Miami-Dade County Extension (2002)

Drought-tolerant, Low-maintenance Plants for South 'Florida Yards' and 'Florida Landscapes'. Florida State Horticultural Society Annual Meeting, Stuart, FL (2001)

Cycads in the South 'Florida Landscape'. Univ. Florida / Miami-Dade County Extension, Homestead, FL (2000)

Posters

Key to the Species of Ceratozamia. 8th International Conference on Cycad Biology, Panama City, Panama (2008)

Key to the Species of Dioon. 7th International Conference on Cycad Biology, Xalapa, Veracruz, Mexico (2005)

The Tree Dioons. 7th International Conference on Cycad Biology, Xalapa, Veracruz, Mexico (2005)

WEBSITES, E-GROUPS & ONLINE FORUMS

Educational Websites

IUCN/SSC Cycad Specialist Group <www.cycadsg.org>

The Cycad Society <www.cycad.org>

Virtual Cycad Encyclopedia <www.plantapalm.com/vce/vce_index.htm>

Virtual Palm Encyclopedia <www.plantapalm.com/vpe/vpe_index.htm>

E-groups & Forums

Owner/Moderator, Cycad Society Yahoo Group <groups.yahoo.com/group/cycadsociety>

Co-moderator, Cycad Yahoo Group <groups.yahoo.com/group/cycad>

Co-moderator, South African Cycad Yahoo Group <groups.yahoo.com/group/sacycad>

Co-moderator, The Cycad Forum <www.cycadforum.co.za>