

**Hector E. Pérez**  
**Curriculum Vitae**  
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### **EDUCATION**

Present **Ph.D. Candidate**, Tropical Plant & Soil Sciences (TPSS), Ecology, Evolution and Conservation Biology (EECB) Specialization, University of Hawaii – Manoa; Dissertation: Moisture and Temperature: Effects on Development, Desiccation Tolerance and Germination of Seed and Embryos of *Pritchardia remota*, an endangered Hawaiian Palm.

2001 **M.S.**, Environmental Horticulture, University of Florida; Thesis: Promoting germination in seven plant species native to Florida.

1997 **B.S.** (Post-baccalaureate), Environmental Horticulture, University of Florida.

1994 **B.S.**, Entrepreneurship/Small Business Management, Florida Atlantic University

1992 **A.A.**, Pre-law/Political Science, Palm Beach Community College

### **TEACHING EXPERIENCE**

Present **Graduate Teaching Assistant**, University of Hawaii at Manoa

2001-04 **National Science Foundation Grades K-12 Teaching Fellow**, EECB Specialization, University of Hawaii: “Hawaii’s Conservation Horticulture Project” and “The Ohia Restoration Project at Island School”

2003-04 **Course Developer/Administrator**, Professional Development Seminar Series (TPSS 667, 711), Tropical Plant & Soil Sciences Department, University of Hawaii - Manoa

2003 **Invited Instructor**, TPSS 674 – Plant Growth and Development, Tropical Plant & Soil Sciences Department, University of Hawaii – Manoa: “Seed development and dormancy”

2003 **Invited Instructor**, TPSS 603 – Experimental Design, Tropical Plant & Soil Sciences Department, University of Hawaii – Manoa: “Ethics in science”

2003 **Invited Instructor**, TPSS 369 – Ornamental Plant Materials, Tropical Plant & Soil Sciences Department, University of Hawaii – Manoa: “Leaf Characteristics and Phyllotaxy” and Field identification lab leader

1999-01 **Head Teaching Assistant**, Plant Identification Course, Environmental Horticulture Department, University of Florida

2000 **Course Coordinator**, Professional Development Seminar, Environmental Horticulture Department, University of Florida

1998-99 **Teaching Assistant**, Plant Identification Course, Environmental Horticulture Department, University of Florida

### **PROFESSIONAL EXPERIENCE**

Summer 2001 **Project Manager**, Florida Yards and Neighborhoods Program, Department of Environmental Horticulture, University of Florida

1997-98 **Assistant Foreman/Sales/Grower**, Boynton Botanicals, Boynton Beach, Florida

1995-97 **Garden Center Department Head**, Scotty’s Inc., Gainesville, Florida

Summer 1996 **Intern**, Fairchild Tropical Gardens, Coral Gables, Florida

1989-94 **Owner/Manager**, Florida Professional Landscape Management, Lake Worth, Florida

### **RESEARCH EXPERIENCE**

2001-04 **Dissertation research**, University of Hawaii: germination phenology, dormancy mechanism studies, germination studies, and desiccation tolerance studies throughout seed development.

2003 **Dissertation research**, Center for Plant Genetic Resources Preservation, USDA-ARS, Ft. Collins, Co: biochemical analysis of lipid and sugar content in *Pritchardia* spp. seed and embryos, respiration of mature *Pritchardia* embryos.

2001 **Thesis research**, University of Florida, study of dormancy breaking treatments to promote germination.

2000-01 **Research assistant**, University of Florida, Establishment of Sustainable Populations of Native Wildflowers on Florida’s Roadsides – Ecosystem Management Approaches to Statewide Application of FDOT’S Roadside Wildflower Program: conducted germination and seed viability assays.

1998-01 **Research assistant**, University of Florida, Reproductive Biology and Invasiveness Potential of *Lantana camara* Cultivars: performed cross-pollination studies, germination tests, grew and managed cultivars.

### **PUBLICATIONS**

2004 Pérez, HE and K Kobayashi. “Graduate Student Professional Development: A Case Study”. HortTechnology (Accepted for publication October 2004)

2004 Pérez, HE. “How to Rapidly Excise *Pritchardia Remota* Embryos”. Palms (Accepted for publication in Fall 2004)

2003 Dehgan, BD., JG Norcini, SM Kabat and HE Pérez (2003). “Effect of Seed Scarification and Gibberellic Acid Treatment

on Seedling Emergence of Sky-Blue Lupine (*Lupinus diffusus*).” Journal of Environmental Horticulture **21**:64-67.  
Pérez, HE, DR Drake and HA Zaleski (2004) “Enhanced Germination in Two Rare Hawaiian Palms After Simulated Seed Predation” (Submitted to *Biotropica*, awaiting review)

### GRANTS

Fall 2003 **Student Research Award**, EECB Specialization, University of Hawaii – Manoa, \$2200  
Spring 2003 **Student Research Award**, EECB Specialization, University of Hawaii – Manoa \$2350  
Fall 2002 **Student Research Award**, EECB Specialization, University of Hawaii – Manoa \$2100  
2001 **Study Abroad Grant**, College of Tropical Agriculture and Human Resources (CTAHR), University of Hawaii – Manoa, \$500  
2000 **Research Grant**, Florida Native Plant Society, \$500

### HONORS AND AWARDS

2003 **Achievement Rewards For College Scientists (ARCS) Foundation Scholarship**, \$5000, University of Hawaii – Manoa  
2002 **Certificate of High Scholarship and Outstanding Achievement or Service**, Gamma Sigma Delta – The Honors Society of Agriculture, University of Hawaii at Manoa  
2000 **Excellence in Teaching by a Graduate Student**, Jack L Fry Award, College of Agriculture & Life Sciences, University of Florida  
2000 **Graduate Student of the Year**, presented by Alpha Zeta, College of Agriculture & Life Sciences, University of Florida  
2000 **Outstanding Member Scholarship**, Environmental Horticulture Graduate Student Assoc., Environmental Horticulture Department, University of Florida  
2000 **Outstanding Leadership Award**, Environmental Horticulture Graduate Student Assoc., Environmental Horticulture Department, University of Florida  
1992 **National Dean’s List**, Palm Beach Community College  
1991 **Outstanding Minority Student Scholarship**, Palm Beach Community College

### LEADERSHIP

2004 **Search Committee Member**, Associate Dean of Academic Affairs (CTAHR), University of Hawaii  
2003-04 **Treasurer**, Tropical Plant & Soil Science Department Graduate Student Organization, University of Hawaii  
2002-03 **President**, Tropical Plant & Soil Science Department Graduate Student Organization, University of Hawaii  
2002 **Graduate Student Representative**, EECB Specialization, University of Hawaii  
1999 **Founder/President**, Environmental Horticulture Graduate Student Association, University of Florida  
1999 **Faculty Selection Committee**, Environmental Horticulture Department, University of Florida  
1998 **Graduate Student Council Representative**, Environmental Horticulture Department, University of Florida  
1997 **Vice-President**, Environmental Horticulture Club, Environmental Horticulture Department, University of Florida  
1993 **Founder/ President**, Young Entrepreneur’s Society, Florida Atlantic University

### PROFESSIONAL MEETINGS

2002 **International Society for Seed Science**, 7<sup>th</sup> International Congress on Seed Science, Salamanca, Spain  
2001 **Association of Southeastern Biologists**, The 62<sup>nd</sup> Annual Meeting of the Association of Southeastern Biologists, New Orleans, LA, “A Germination Protocol for *Harrisia fragrans* A Federally Listed Endangered Plant in Florida”  
2001 **Florida Native Plant Society**, Payne’s Prairie Chapter, Gainesville, FL, “Applying Seed Technology for the Reintroduction and Conservation of Several Native and Endangered Plants in Florida”  
2001 **Florida Native Plant Society**, The 21<sup>st</sup> Florida Native Plant Society Annual Conference, Tampa, FL, “Applying Seed Technology for the Reintroduction and Conservation of Several Native and Endangered Plants in Florida”

### VOLUNTEER ACTIVITIES

2001-Present **Habitat Restoration Worker**, Army Natural Resources Center, Schoffield Barracks, Oahu, Hawaii  
2002-Present **Science Fair Judge**, Hawaii Academy of Sciences  
2002-Present **High School Science Mentor**, Hawaii Academy of Sciences

### PROFESSIONAL ASSOCIATIONS

International Society for Seed Science  
Center for Plant Conservation

### FOREIGN LANGUAGE

Spanish (Spoken & Written)