

## **John B. Pascarella, PhD**

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### **Education**

University of Miami. 1995. PhD in Biology.

University of Kansas. 1990. BS in Biology (Systematics and Ecology), BA in Latin American Studies.  
Graduation with Distinction and Departmental Honors. Completed one year of study abroad at  
Universidad de Costa Rica, San José, Costa Rica (1987)

### **Academic, Professional, and Research Appointments**

#### ***Sam Houston State University, Huntsville, TX (2012-present)***

##### **Dean of the College of Sciences and Professor of Biological Sciences (tenured).**

Strategic leadership for seven academic departments (Agricultural Sciences and Engineering Technology, Biological Sciences, Chemistry, Computer Science, Geography and Geology, and Physics). College previously included one academic advising center (Medical and Allied Health Programs) and the School of Nursing which moved in 2013 to the College of Health Sciences.

Assisted with programming for four academic buildings: Fred Pirkle Engineering Technology Building (\$21,600,000) (in architectural design phase), Vivarium-Animal Care Facility (\$1,650,000) (in construction), Biology Building (\$60,000,000-in programming phase), and Equine Science and Rodeo Complex (\$21,000,000-in programming phase).

Approved new undergraduate academic programs in Agricultural Communications, Electronics and Computer Engineering Technology, and Software Engineering Technology.

Developed proposals for new graduate academic program in Digital Forensics and Cyber Security (PhD), BS in Environmental Sciences, and online MS in Sustainable Agriculture.

Developed and managed ~\$16,000,000 annual budget.

Recommended appointment, tenure, promotion, disciplinary action, and merit for ~ 105 tenure-track/tenured faculty and supervised 24 staff and ~40 adjuncts.

Hired 15 tenure-track faculty since 2012.

Obtained funding for 7 new TT faculty positions and 3 staff positions.

Supported fundraising with Advancement office and Alumni Affairs.

Developed and funded Undergraduate Research Awards Program.

Developed Recognition of Excellence Program for Faculty and Student Teaching, Research, and Service.

Developed and Funded Career Advancement Awards for Tenured Associate Professors to support research excellence.

Reviewed student complaints/concerns and reviewed probationary and suspended students.

Direct supervisor of seven department chairs, 2 associate deans and 4 full-time staff members.

Developed new formal relationships for academic exchange and study abroad with UNIBE (Iberoamerican University of Health Sciences, Heredia, Costa Rica) for Biological Sciences, Jingtangshan University (Ji'an, China) for Physics, Firat University (Elazig, Turkey) for Computer Science and Geology, and Beijing Mining and Technology (Beijing, China) for Mathematics and Statistics.

Board Representative-Texas Association of Deans of Liberal Arts and Sciences (TADLAS); Member, Council of Colleges of Arts and Sciences. Chaired Search Committee for the Dean Search for the College of Humanities and Social Sciences; Member-Texas State University System Scientific Advisory Committee for the Christmas Mountains.

***Kansas State University-Olathe, Olathe, KS (2010-2012)***

**Associate Dean of Academic and Research Programs (K-State Olathe) and Professor of Biology (tenured)**

Worked with faculty and administrators on academic affairs planning for a new branch campus in Olathe, KS dedicated to graduate programs and research in the area of Animal Health and Food Safety. Programs I proposed that have since been implemented include MS and Phd in Adult and Continuing Education, MS in Horticulture with an emphasis on Urban Food Systems, MS in Agribusiness for Animal Health Professionals, MS in Food Science, MS in Veterinary Biomedical Science, and MS in Agricultural and Biological Engineering.

Designed and implemented outreach programs in Animal Health and Food Safety to Johnson County public school districts and greater Kansas City metropolitan area.

Developed position descriptions, conducted search, and hired the Director of Sensory and Consumer Research Center and the Director of K-12 Science Education Partnerships.

Developed requirements for the Johnson County Education Research Triangle (JCERT) Scholarship; managed annual academic budget of ~\$1,000,000 M.

Assisted with grant proposal writing to support university initiatives.

Community outreach as a Board Member for Blue Valley School District Center for Advanced Professional Studies and Science Pioneers (Greater Kansas City Science and Engineering Fair).

Direct supervisor of Director of Food Programs and Services, Director of K-12 Science Education Partnerships, and Administrative Assistant.

***Georgia Southern University, Statesboro, GA (2008-2010)***

**Associate Dean of Faculty and Research Programs (College of Science and Technology, now the College of Science) and Professor of Biology (tenured)**

Managed faculty affairs (recruitment, retention, promotion, & tenure) for 8 departments (Biology, Chemistry, Geology and Geography, Mathematical Sciences, Physics, Mechanical and Electrical Engineering Technology, Construction Management and Civil Engineering Technology, Army ROTC) and >150 faculty;

Promoted scholarly activity through management of internal research awards and college faculty and staff awards of excellence;

Managed summer and part-time budgets (~\$1,250,000 M);  
Direct supervisor of the Directors of the College Office of Undergraduate Research and College Office of Sustainability;  
Grant writing and proposal development;  
Developed proposal for new graduate programs (Professional Science Masters in Physical Science) and developed core research themes for college;  
Maintained an externally funded research program;  
Taught undergraduate and graduate courses;  
Mentored undergraduate and graduate students in research.

***Valdosta State University, Valdosta, GA (1997-2008)***

**Coordinator, Center for Applied Research (2007-2008), College of Arts & Sciences**

Promoted linkage of VSU faculty with community and business needs;  
Provided outreach to community organizations;  
Ran an Internal Faculty Research Grants program.

**Administrative Intern (2006-2007), Office of Vice-President for Academic Affairs**

Managed external research and contract proposals in the Research Office.  
Developed benchmarking study of research offices and funding at peer universities.  
Attended Presidential Cabinet meetings.

**Professor; Associate Professor; Assistant Professor (1997-2008, Tenured 2003). Department of Biology, Valdosta State University, Valdosta, GA.**

Taught undergraduate majors and non-majors courses in Biology and Environmental Science;  
Developed an externally funded research program.  
Service on department, university, and professional committees.

***Other Professional Positions***

**National Science Foundation. 2005-2006. American Association for the Advancement of Science (AAAS) Science & Technology Policy Fellow, Directorate for Biological Sciences, National Science Foundation, Arlington, VA.**

Wrote “A Strategic Plan for Broadening Participation in the BIO directorate”; Member of Broadening Participation Working Group; Research Initiation Grants/Career Advancement Awards for Broadening Participation; Revision of Undergraduate Mentoring in Biology; Federal Program Agency Review Team for RUI/ROA programs; Outreach to minority serving institutions.

**Adjunct Research Associate. 2000-2010. Fairchild Tropical Botanical Garden, Coral Gables, FL**  
Collaborated on long-term demographic studies of endangered plants in South Florida.

**Research Associate. 1996-1997. Department of Biology, University of Miami, Coral Gables, FL**  
Researched pollination ecology in Everglades National Park, Florida (PI- K. Waddington).

**Research Associate.** 1995-1996. *Department of Biology, University of Puerto Rico-Rio Piedras, San Juan, PR*

Researched tropical forest ecology and restoration in Puerto Rico (PI-T. Aide, J. Zimmerman).

**Assistant Director of University of Kansas Study Abroad Program in Costa Rica.** 1990.

*Universidad de Costa Rica, San Jose, Costa Rica*

Supervised academic affairs and organized cultural activities for 60 undergraduate students.

### **Fellowships and Scholarships**

American Association for the Advancement of Science (AAAS) Science & Technology Policy Fellowship (2005-06)

National Science Foundation (NSF) Graduate Fellowship, University of Miami

Robert E. Maytag Graduate Fellowship, University of Miami

Summerfield and University Scholarships, University of Kansas

### **Teaching**

#### **Sam Houston State University**

Directed Research for Biology

#### **Georgia Southern University**

Introductory Biology for Majors

Population Biology

#### **Valdosta State University**

Introductory Biology for Non-Majors; Introductory Biology for Majors; Botany; Ecology; Population Biology; Senior Seminar; Environmental Issues for Non-Majors; Natural History of Georgia for Middle School Teachers

#### **Other teaching**

University of Miami: Lecturer, Elementary Botany for Non-Majors; Invited Lecturer in Tropical Botany, Organization for Tropical Studies Course 1993-7, Costa Rica.

Member of the Graduate Faculty at SHSU (2012-present), KSU (2010-2012), GSU (2009-2010), and VSU (1998-2008).

## Scholarship

### 34 Peer-Reviewed Publications >1300 citations in Science Citation Index

1. J. B. Pascarella, J. Maschinski, and S. Wright. 2011. Soil seed banks in the endangered Florida Beach Jacquemontia (*Jacquemontia reclinata* House (Convolvulaceae)). **Native Plants Journal** 12 (3): 233-240.
2. J.B. Pascarella. 2011. The relationship between soil environmental factors and flowering phenology in two sympatric SE *Gelsemium* species-Does habitat specialization determine differences in flowering time. **Castanea** 76: 410-425
3. J. B. Pascarella and K.D. Waddington. 2011. A description of the male of *Hylaeus graenicheri* Mitchell (Hymenoptera: Colletidae). **Journal of Apicultural Research** 50 (4): 316-320.
4. J.B. Pascarella. 2011. Scientific Note: Historical pollination records of a federally endangered plant, *Amorpha herbacea* Walter var. *crenulata* (Rydberg) Isely. **Florida Scientist** 74 (4): 273-274.
5. Flynn, D., M. Uriarte, T.Crk, J. B. Pascarella, J. Zimmerman, TM. Aide, and M.C. Ortiz. 2010. Hurricane disturbance alters secondary forest recovery in Puerto Rico. **Biotropica** 42: 149-157.
6. J. B. Pascarella. 2010. Pollination Biology of *Gelsemium sempervirens* L. (Ait.) (Gelsemiaceae): Do Male and Female *Habropoda laboriosa* F. (Hymenoptera, Apidae) Differ In Pollination Efficiency? **Journal of Apicultural Research** 49:170-176.
7. Riggs, P.T., J.B. Pascarella, and D.L. Bechler. 2010. The ethno- and research history of the Lake Louise Field Station, Valdosta State University, Valdosta, GA. **Georgia Journal of Science** 68: 149-165.
8. J.B. Pascarella, J. Maschinski, and S. Wright. 2008. Effects of Hurricanes Francis and Jean (2004) on the Population Biology of the Endangered Beach Plants *Cyperus pedunculatus* (Cyperaceae) and *Okenia hypogaea* (Nyctaginaceae) in South Florida. Pp. 112-127 in “**Proceedings of the 34<sup>th</sup> Annual Conference on Ecosystem Restoration and Creation**”, Hillsborough Community College, Plant City, FL.
9. J.B. Pascarella. 2007. Mechanisms of prezygotic reproductive isolation between two sympatric species, *Gelsemium rankinii* and *Gelsemium sempervirens* (Gelsemiaceae), in the southeastern United States. **American Journal of Botany** 94: 468-476
10. J. B. Pascarella, T.M. Aide, and J. K. Zimmerman. 2007. The demography of *Miconia prasina* (Melastomataceae) during secondary succession in Puerto Rico. **Biotropica** 39: 54-61
11. J.B. Pascarella. 2007. Foraging patterns of the southeastern blueberry bee *Habropoda laboriosa*

- (Apidae, Hymenoptera): Implications for understanding oligolecty. **Journal of Apicultural Research**.46: 19-27
12. C. C. Horvitz, S. Tuljapurkar, and J.B. Pascarella. 2005. Plant-animal interactions in random environments: habitat-stage elasticity, seed predators and hurricanes. **Ecology** 86: 3312-3322
  13. J.B. Pascarella, T. M. Aide, and J. K. Zimmerman. 2004. Short-term response of secondary forests to hurricane disturbance in Puerto Rico, USA. **Forest Ecology and Management** 199: 379-393
  14. S. Tuljapurkar, C.C. Horvitz, and J.B. Pascarella. 2003. The many growth rates and elasticities of populations in random environments. **The American Naturalist** 162: 489-503
  15. J.B. Pascarella, K.D. Waddington, and P.R. Neal. 2001. Non-apoid flower-visiting fauna of Everglades National Park, Florida. **Biodiversity and Conservation** 10: 551-566
  16. J.K. Zimmerman, J.B. Pascarella, and T.M. Aide. 2000. Barriers to forest regeneration in an abandoned pasture in Puerto Rico. **Restoration Ecology** 8: 350-360
  17. T.M. Aide, J.K. Zimmerman, J.B. Pascarella, L. Rivera, and H. Marcano-Vega. 2000. Forest regeneration in a chronosequence of tropical abandoned pastures: implications for restoration ecology. **Restoration Ecology** 8: 328-338
  18. J.B. Pascarella, T.M. Aide, M.I. Serrano, and J.K. Zimmerman. 2000. Land use history and forest regeneration in the Cayey mountains, Puerto Rico. **Ecosystems** 3: 217-228
  19. J.B. Pascarella. 2000. A new record for the rare and endangered tree *Eugenia haematocarpa* (Myrtaceae) in the Sierra de Cayey, Puerto Rico. **Caribbean Journal of Science** 36: 146
  20. J.B. Pascarella, K.D. Waddington, and P.R. Neal. 2000. The bee fauna (Hymenoptera: Apoidea) of Everglades National Park, Florida and adjacent areas: Distribution, Phenology, and Biogeography. **The Journal of the Kansas Entomological Society** 72: 32-45
  21. J.B. Pascarella and C.C. Horvitz. 1999. Seed and seedling ecology of the invasive non-indigenous shrub *Ardisia elliptica* (Thunb.) (Myrsinaceae) in south Florida. In “**Proceedings of the 25<sup>th</sup> Annual Conference on Ecosystem Restoration and Creation**”. Eds F. Webb and P. Cannizzaro. Hillsborough Community College, FL
  22. J.B. Pascarella and C.C. Horvitz. 1998. Hurricane disturbance and the population dynamics of a tropical understory shrub: megamatrix elasticity analysis. **Ecology** 79: 547-563
  23. J.B. Pascarella. 1998. Hurricane disturbance, plant-animal interactions, and the reproductive success of a tropical shrub. **Biotropica** 30:416-424

24. C.C. Horvitz, J.B. Pascarella, S. McMann, A. Freedman, and R. Hofstetter. 1998. Functional roles of invasive non-indigenous plants in hurricane-affected subtropical hardwood forests. **Ecological Applications** 8: 947-974
25. J.B. Pascarella. 1998. Resiliency and response to hurricane disturbance in the tropical shrub *Ardisia escallonioides* (Myrsinaceae). **American Journal of Botany** 85: 1207-1215
26. J.B. Pascarella. 1997. Hurricane disturbance and the regeneration of *Lysiloma latisiliquum*: A tropical tree in south Florida. **Forest Ecology and Management** 92: 97-106
27. J.B. Pascarella. 1997. Mating system of the neotropical shrub *Ardisia escallonioides* (Myrsinaceae). **American Journal of Botany** 84: 456-460
28. J.B. Pascarella. 1997. Breeding systems of *Ardisia* Sw. (Myrsinaceae). **Brittonia** 49: 45-53
29. J.B. Pascarella. 1997. Pollination ecology of *Ardisia escallonioides* (Myrsinaceae). **Castanea** 62: 1-7
30. J.B. Pascarella. 1996. The biology of *Periploca* sp. (Lepidoptera: Cosmopterigidae): A specialized gall maker on *Ardisia escallonioides* (Myrsinaceae). **Florida Entomologist** 79: 606-610
31. J.B. Pascarella. 1996. Reproductive ecology of *Picramnia pentandra* (Picramniaceae) in south Florida. **Caribbean Journal of Science** 32: 99-104
32. J.B. Pascarella. 1994. Additions to the flora of south Florida: Four new species of naturalized tropical trees. **Florida Scientist** 57: 173-176
33. J.B. Pascarella. 1992. Notes on flowering phenology, nectar robbing, and pollination of *Symphonia globulifera* (Clusiaceae) in a lowland rain forest in Costa Rica. **Brenesia** 38: 83-86
34. J.B. Pascarella and M.S. Gaines. 1991. Feeding preferences of the prairie vole (*Microtus ochrogaster*) for seeds and plants. **Transactions of the Kansas Academy of Sciences** 94: 3-11

## **9 Technical publications and reports**

1. Maschinski, J., S. J. Wright, K. Wendelberger, J. Roncal, J. Pascarella, and B. Schaffer. 2007. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant. Final report to the U.S. Fish and Wildlife Service for Grant Agreement 401815G033, South Florida Ecological Services Office, Vero Beach, FL.
2. J. Pipoly, J. Maschinski, J. B. Pascarella, S.J. Wright, and J. Fisher. 2006. Demography of Coastal Dunes Vines: Endangered *Jacquemontia reclinata*, *Okenia hypogaea* and *Cyperus pedunculatus* from South Florida. Final report to Florida Fish and Game Contracted Projects

NG 02-012.

3. Maschinski, J., S.J. Wright, J. Pascarella, and K. Wendelberger. 2006a. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant: Fall 2006. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL.
4. Maschinski, J., S.J. Wright, J. Pascarella, and K. Wendelberger. 2006b. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant: Spring 2006. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL.
5. Maschinski, J., S.J. Wright, J. Pascarella, and K. Wendelberger. 2006c. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant: Summer 2006. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL.
6. Maschinski, J., S.J. Wright, J. Pascarella, K. Wendelberger, B. Schaffer, and J. Roncal. 2006d. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant: Annual Report 2006. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL.
7. Maschinski, J., S.J. Wright, J. Pascarella, and K. Wendelberger. 2005a. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant: Fall 2005. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL.
8. Maschinski, J., S.J. Wright, J. Pascarella, and K. Wendelberger. 2005b. Ongoing efforts to reintroduce and study two endangered plant species, beach jacquemontia and crenulate lead-plant: Spring 2005. Report to the U.S. Fish and Wildlife Service, South Florida Ecological Services Office, Vero Beach, FL.
9. J. Maschinski, J. Fisher, J.B. Pascarella, C. Lane, S. J. Wright, H. Thornton, E. Pinto-Torres, and S. Carrara. 2003. Restoration of *Jacquemontia reclinata* to the South Florida Ecosystem, Final Report to the United States Fish and Wildlife Service for Grant Agreement 1448-40181-99-G-173. April 30, 2003. Fairchild Tropical Botanical Garden, Coral Gables, FL. 220 p.

### **Book Reviews**

J. B. Pascarella. 2007. Plant Ecology. **Plant Science Bulletin** 53 (1):23-24

J. B. Pascarella. 2005. Multimedia Tool Kit for Educators in the Plant Sciences. Vol. 1: Basic Biological Principles and Plant Structure. Vol. II: Botanical Diversity. **Plant Science Bulletin** 51: 21-22

J. B. Pascarella. 2002, Mathematical Ecology, **Plant Science Bulletin** 48: 105



- J. B. Pascarella. 2000. Australian Rain Forests, **Plant Science Bulletin** 46: 96  
J. B. Pascarella. 1998. Tropical Forest Remnants, **Plant Science Bulletin** 44: 19  
J. B. Pascarella. 1993. Grass evolution and domestication, **Plant Science Bulletin** 39: 30

### **Scientific Web Pages**

- H. Ikerd, T. Griswold, S. Droege, S. Kambhampati, J. B. Pascarella, and J. Pickering. 2005. Web page, Draft Guide to the *Agapostemon*, *Augochlora*, *Augochlorella*, and *Augochloropsis* of Eastern North America, Discover Life [http://pick4.pick.uga.edu/mp/20q?guide=Green\\_bees&flags=not\\_no](http://pick4.pick.uga.edu/mp/20q?guide=Green_bees&flags=not_no)  
H. Ikerd, T. Griswold, S. Droege, J. B. Pascarella, and J. Pickering. 2005. Draft Guide to the *Lasioglossum* of E. N. America, Discover Life. <http://pick4.pick.uga.edu/mp/20q?guide=Lasioglossum>  
J. B. Pascarella. 2002. Web Page, Bees of Florida.  
<http://entnemdept.ifas.ufl.edu/hallg/melitto/intro.htm>

## **57 Professional Presentations**

J.B. Pascarella. 2013. Restoration of endangered *Baptisia arachnifera* at an *ex situ* site in Georgia. **Botanical Society of America**, New Orleans, LA.

J.B. Pascarella. 2012. Invited Seminar-Plant pollinator interactions in longleaf pine forests in the Southeastern United States. **Joseph W. Jones Ecological Research Center**, Newton, GA.

J.B. Pascarella. Invited Seminar-Urban and rural plant conservation case studies in the Southeastern U.S.A. 2011-Division of Biology, **Kansas State University**, Manhattan, KS; 2012: Department of Biology-**North Georgia College and State University**, Dahlonega, GA; Department of Biology-**Middle Tennessee State University**, Murfreesboro, TN; Department of Biology and Environmental Science-**Texas A&M Commerce**, Commerce, TX; 2013-**Sam Houston State University**, Huntsville, TX.

T.J. Estep, L.M. Leege, and J.B. Pascarella. 2011. Factors relating to germination and seedling success in *Baptisia arachnifera*. **Georgia Academy of Science**, Gainesville, GA.

J. B. Pascarella, K. Mincey, and K. Perry. 2010. Quantifying success in a restoration outplanting of the endangered Beach Jacquemontia (*Jacquemontia reclinata*): comparisons with nearby natural populations. **Florida Native Plant Society**. Tallahassee, FL.

J. B. Pascarella. 2009. *Ex situ* restoration of the federally endangered Georgia endemic *Baptisia arachnifera* (Fabaceae): the first five years (2004-2009). **Georgia Plant Conservation Alliance**, Folkston, GA.

J.B. Pascarella and R. Goddard. 2009. Evidence of hybridization between an endangered plant (*Baptisia arachnifera*) and a native congener (*Baptisia lecontei*) at an *ex situ* conservation planting. **Botanical Society of America**, Snowbird, Utah.

J. B. Pascarella, J. Maschinski, and S. J. Wright. 2009. Soil seed banks in the endangered Florida Beach Vine *Jacquemontia reclinata* (Convolvulaceae). **Florida Native Plant Society**, West Palm Beach, FL

J. B. Pascarella. 2008. The Jessamines: Their biology, horticultural use, and ecology. **Valdosta Garden Club**, Valdosta, GA.

P.T. Riggs, J.B. Pascarella, and D Bechler. 2008. The history, scientific, and educational significance of the Lake Louise Field Station. **Georgia Academy of Science**, Jacksonville, FL.

J.B. Pascarella. 2008. Nanotechnology research at Georgia Southern University. **The Nanomanufacturing and Dual-Use Commercialization Conference**. Savannah, GA.

J.B. Pascarella. 2008. Restoration of *Jacquemontia reclinata* (Convolvulaceae) to the South Florida ecosystem: a comprehensive approach. *Invited speaker*: **University of Louisiana-Monroe**, Monroe, LA; **Georgia Southern University**, Statesboro, GA.

J.B. Pascarella. 2007. The role and future of faculty/student collaborative and creative activity at an undergraduate/comprehensive university. *Invited speaker*, **University of Wisconsin-Eau Claire**, Eau Claire, WI; **North Georgia College and State University**, Dahlonega, GA

J. B. Pascarella, J. Maschinski, and S.Wright. 2007. Restoration of *Jacquemontia reclinata* (Convolvulaceae) to the South Florida Ecosystem: Involving Land Managers in Habitat Restoration. *Invited Speaker*, **National Arbor Day Foundation Restoring Native Ecosystems National Conference**, Nebraska City, NE

J.B. Pascarella, J. Maschinski, and S. Wright. 2007. Effects of Hurricanes Francis and Jean (2004) on the Population Biology of the Endangered Beach Plants *Cyperus pedunculatus* (Cyperaceae) and *Okenia hypogaeae* (Nyctaginaceae) in South Florida. **Ecosystem Restoration and Creation Conference**, Hillsborough Community College, Plant City, FL

J. B. Pascarella. 2006-2007. Restoration of the federally endangered Georgia endemic *Baptisia arachnifera* (Fabaceae) at the Lake Louise Biological Station, Lowndes County, Ga. **Georgia Academy of Science**, Albany, GA *Invited Speaker*: **Georgia Plant Conservation Alliance**, Atlanta, GA

J. B. Pascarella, J. Maschinski, and S. Wright. 2007. Population viability analysis of the federally endangered beach clustervine *Jacquemontia reclinata* (Convolvulaceae): the impact of restored populations on extinction probabilities. **Florida Native Plant Society**, Gainesville, FL

J. B. Pascarella and K.D. Waddington. 2006. Community ecology of plant-pollinator interactions in Everglades National Park, Florida. **Ecological Society of America**, Memphis, TN

- J. B. Pascarella. 2005. Do Blueberry bees (*Apidae-Habropoda laboriosa*) prefer to visit blueberries? **Georgia Academy of Science**, Barnesville, GA
- C.C. Horvitz, S. Tuljapurkar, and J.B. Pascarella. 2004. Plant-animal interactions in random environments. **Association for Tropical Biology**, Miami, FL
- J.B. Pascarella, S. Buchmann, and A.J. Donovan. 2003. Pollinator biodiversity in the Southeastern U.S. **Ecological Society of America**, Savannah, GA
- J.B. Pascarella. 2003. Plant-pollinator interactions in the Southeastern U.S: Concerns, data, and future approaches. *Invited Speaker*, **Valdosta State University Science Seminar**, Valdosta, GA
- J.B. Pascarella. 2002. Bee Biodiversity in North Florida/South Georgia-A comparative study. **Pollinator Conservation and Biodiversity Workshop for the Southeastern United States**, Valdosta State University, Valdosta, GA
- J.B. Pascarella. 2000. Causes and consequences of reproductive isolation in two sympatric *Gelsemium* species in the Southeastern United States. **Botanical Society of America**, Portland, OR
- J. H. Tepper, J. B. Pascarella, and H.D. Grissino-Mayer. 2000. Lake Louise: Developing multidisciplinary teaching and research program's at VSU's outdoor laboratory. **Georgia Academy of Science**, Valdosta, GA
- J.B. Pascarella, T.M. Aide, M.I. Serrano, and J.K. Zimmerman. 1997-2001. Land use history and regeneration of tropical forests in the Cayey Mountains of Puerto Rico.  
2001. *Invited presentation*-**Connecticut College** Dept. of Biology, New London, CT  
2000. *Invited presentation*-**Governors State University** Dept. of Biology, Chicago, IL  
1998. *Invited presentation*-**Kennesaw State University** Science Dept., Kennesaw, GA  
1998. *Invited presentation*-**Joseph W. Jones Ecological Research Center**, Newton, GA  
1998. **Association for Tropical Biology**, Baltimore, MD  
1997. *Invited presentation*-**Fairchild Tropical Garden**, Coral Gables, FL
- T.M. Aide, J.K. Zimmerman, T. Philippi, J. B. Pascarella, H. Marcano, and L.Rivera. 1999. Patterns of secondary succession in abandoned agricultural lands in four lifezone/geology regions of Puerto Rico. *Invited symposium presentation*-Tropical forest regeneration in abandoned agricultural lands: Implications for restoration ecology, **Tropical Restoration for the New Millennium** International Conference, San Juan, PR
- J.B. Pascarella, K.Waddington, and P. Neal. 1999. The ecology of plant-pollinator interactions in Everglades National Park, Florida. *Invited presentation*-**Florida State University Friday Natural History Seminar**, Tallahassee, FL
- J.B. Pascarella and C.C. Horvitz. 1998. Soil seed bank, seed rain, germination biology, and seedling

growth of the invasive exotic shrub *Ardisia elliptica* Thunb. (Myrsinaceae) in south Florida. **Annual Conference on Ecosystems Restoration and Creation**, Tampa, FL

J.B. Pascarella and K.D. Waddington. 1997. Historical and current data on bee species of south Florida. *Invited symposium presentation*-Restoration of Pollinator Communities. **Society for Ecological Restoration**, Ft. Lauderdale, FL

C.C. Horvitz, S. Tuljapurkar, and J.B. Pascarella. 1997. *Invited speaker*, Habitat elasticity (and other elasticities) of the megamatrix: a work (very much) in progress. **Ecological Society of America**, Albuquerque, NM

J.K. Zimmerman, J.B. Pascarella, C. Gonzalez, A.C. Suarez, and T.M. Aide. 1997. Arrival and survival of woody plants in an abandoned Puerto Rican pasture.  
**Association for Tropical Biology**, San Jose, Costa Rica  
**Ecological Society of America**, Albuquerque, NM

J.B. Pascarella. 1993-1997. Impact of Hurricane Andrew on population dynamics of the tropical understory shrub *Ardisia escallonioides* (Myrsinaceae) in south Florida.

1997. *Invited presentation*-**Valdosta State University** Biology Dept., Valdosta, GA

1995. *Invited presentation*-**University of Puerto Rico** Biology Dept., San Juan, PR

1995. *Invited presentation*-**Fairchild Tropical Garden**, Coral Gables, FL

1994. **Ecological Society of America**, Knoxville, TN

1994. **Florida Native Plant Society**, Cocoa Beach, FL

1993. *Invited presentation*-**Dade County Natural Areas**: Post-Hurricane Research and Resource Management Conference, Fairchild Tropical Garden, Coral Gables, FL

1993. **2nd Annual Meeting Florida Ecological and Evolutionary Scientists**, Archbold Biological Station, Venus, FL

1993. **South Florida Plant Biologists Meeting**, University of Florida Institute of Food and Agricultural Sciences, Davie, FL

J.K. Zimmerman, T. M. Aide, H. Marcano, L. Herrera, and J.B. Pascarella. 1996. Past land-use as an important determinant of species composition in secondary forests of Puerto Rico. *Invited symposium presentation*-Ecology of lowland tropical secondary forests. **Ecological Society of America**, Providence, RI

C.C. Horvitz and J.B. Pascarella. 1994. Sensitivity analysis for plants in hurricane-prone forests: matrix models analysis. *Invited symposium presentation*-Use of ecological concepts in conservation biology: Lessons from Southeastern ecosystems, **Ecological Society of America**, Knoxville, TN

J.B. Pascarella. 1994. Regeneration of the tropical canopy tree, *Lysiloma latisiliquum*, following hurricane disturbance in south Florida,

**Botanical Society of America**, Knoxville, TN

**Natural Areas Management Conference**, Palm Beach Gardens, FL

## **16 Funded Grants and Contracts (\$745,538)**

**Valdosta State University (2011-2012)**, \$1500. Multivariate Community Composition Analysis of Prescribed Burning of Vegetation Units, Moody Air Force Base, Georgia. J.B. Pascarella.

**Georgia Department of Natural Resources (2009-2011)**. \$18,000. *Baptisia arachnifera* Response to Fire and Potential for Restoration in a Natural Site. L. Leege and J.B. Pascarella.

**Georgia Native Plant Society (2006-2010)**. \$1900. Ecological studies of the population structure and dynamics of a restored population of the federally endangered Georgia endemic *Baptisia arachnifera* (Fabaceae). J.B. Pascarella.

**U.S. Military Research Acquisition Authority**. (2007-2009). \$157,000. Effects of fire on forest communities at Moody Air Force Base. R. Carter and J.B. Pascarella.

**Onyx Corporation**. (2007-2009) \$190,000. Collaborative research between Valdosta Optics Laboratory, Inc. (VOLI) and Valdosta State University. J.B. Pascarella, J. Spencer, and B. Hojjatie.

**University System of Georgia Office of Economic Development ICAPP Innovation Program Proposal**. (2007-2008) \$9824. Development of a Course in Organic Agriculture. E. Cantonwine and J. B. Pascarella.

**Florida Native Plant Society**, (2007) \$1000. Comparative demography of restored and natural populations of the federally endangered Beach Jacquemontia (*Jacquemontia reclinata*, Convolvulaceae). J. B. Pascarella, J. F. Maschinski, and S. Wright

**U.S. Fish and Wildlife Service**, (2005-2008): \$293,000. Demography of endangered *Jacquemontia reclinata* in South Florida. J. Maschinski, J. Fisher, and J. B. Pascarella

**Florida Fish and Wildlife Conservation Commission** (2004-2005): \$19,858. Demography of coastal dune vines: endangered *Jacquemontia reclinata*, endangered *Okenia hypogea*, and threatened *Cyperus pedunculatus*, from South Florida. J. Maschinski, J. Pipoly, J. Fisher, and J.B. Pascarella.

**Georgia Native Plant Society** (2003): \$330. Floral preferences in the Southeastern Blueberry Bee (*Habropoda laboriosa*)-The importance of alternative floral hosts in rural and urban areas in Georgia. J. B. Pascarella.

**National Science Foundation**, Field Station and Marine Lab Improvement Program (2001): \$6,000. "Planning Grant for the Lake Louise Field Station Valdosta State University", D. Bechler and J. B. Pascarella.

**National Fish and Wildlife Foundation**, Native Plant Conservation Initiative (2001-2002): \$25,000. Conservation biology of coastal plain pollinators. S. Buchmann, A.J. Donovan and J. B. Pascarella.

**Fairchild Tropical Botanical Garden** (1999-2003): \$3,000. Demography of rare and endangered plants in South Florida coastal ecosystems. . J.B. Pascarella.

**Ogden Environmental** (1999-2000): \$3600. Wetland Restoration Study for AGL coal gasification site, Valdosta, GA. J. B. Pascarella.

**University of Puerto Rico and Columbia University** (1997-2007): \$14,376.. Restoration of Tropical Forests in Puerto Rico. J. B. Pascarella

**University System of Georgia Board of Regents**, Teaching and Learning Grants (1999): \$1,150. Incorporating ecological simulation software in the teaching of undergraduate ecology. . J. B. Pascarella

### **Membership in Academic and Professional Associations**

American Association for the Advancement of Science, Botanical Society of America, Ecological Society of America, Georgia Academy of Sciences, Sigma Xi, Southern Appalachian Botanical Society

### **Certifications**

Ecological Society of America Certified Ecologist (1997-2002).  
Associate Certificate in Project Management, G. Washington University (2006).

### **Professional Service**

Editor-in-Chief, *Castanea*: The Journal of the Southern Appalachian Botanical Society (2009-2014)  
Editorial Board, *Florida Scientist* (2008-2011)

Invited journal peer reviewer: *Acta Oecologia, American Journal of Botany, American Naturalist, Annales Zoologici Fennici, Annals of Botany, Biological Conservation, Biotropica, Botany (Canadian Journal of Botany), Caribbean Journal of Science, Climatic Change, Council of Undergraduate Research Quarterly, Ecological Applications, Ecology, Entomological Society of Washington, Florida Entomologist, Florida Scientist, Forest Ecology and Management, Georgia Academy of Sciences, Haseltonia, Israel Journal of Plant Sciences, Journal of Ecology, Journal of Forest Research, Journal of the Kansas Entomological Society, Journal of Tropical Ecology, Journal of Vegetation Science, Lindleyana, Plant Ecology, Plant Systematics and Evolution, Public Library of Science, Revista Interciencia, & Wetlands*

Invited grant and fellowship peer reviewer:

American Association for the Advancement of Science-2013, Research Partnership Initiative  
National Science Foundation-Doctoral Dissertation Improvement Grants (DDIG), Ecology Panel,

Research at Undergraduate Institutions, Research Experience for Undergraduates, Graduate Research Fellowship, Broadening Participation, International Programs.

Chilean Government CONyCIT (National Commission for Science and Technology, 2006-2012)

Chilean Government Ecological Research Station in Patagonia (2010)

Chilean Government Science and Technology grant review (2011, 2012)

EPA "High Performance Computing Technology" STAR grants program, "STAR Graduate Fellowships Program"

National Fish and Wildlife Foundation Challenge Grants

US Army Corps of Engineers Engineer Research & Development Center

#### Service on Professional Boards

Science Pioneers (Greater KC Science Fair) (2011)

Blue Valley (KS) School District Center for Advanced Professional Studies (CAPS ) Advisory Board (2010-2012)

Shawnee Mission (KS) School District Research and Development Advisory Board (2011-2012)

Kansas BIO Talent Development and Education Committee (2010-2012)

Vice President of the Georgia Academy of Science (2007-2008)

Member, Georgia Plant Conservation Alliance (2000-2010)

#### **University Service as Member or Chair\***

Sam Houston State University (2012-present): Council of Academic Deans; Search Committee for Dean of College of Humanities and Social Sciences\*

Kansas State University (2010-2012): Higher Learning Commission Accreditation; K State Online Advisory Council; Associate Dean Council

Georgia Southern University (2008-2010): Promotion and Tenure\*; Posttenure\*; International Affairs, Intellectual Property; College Technology, Associate Dean Council

Valdosta State University (1997-2008): Curriculum, Non-Majors\*, Greenhouse\*, College Promotion and Tenure, Web Page, Connell Lecture\*, Assessment\*, Multiple Faculty Search (Mycology\*), Council for Undergraduate Research, Faculty Research and Professional Development, Interdisciplinary Science, and Natural Areas\*. Faculty Sponsor-Students Against Violating the Environment (SAVE) (2006-2007)

#### **Undergraduate and Graduate Student Advisees**

Mentored 23 VSU undergraduates (18 minority students), 3 GSU undergraduates, and 1 SHSU undergraduate student in research.

**Graduate Committee Member (MS thesis)**

Hoffpauir, David. In progress. GIS analysis of current and historical vegetation communities in Southeast Texas. Sam Houston State University.

Bayat, Soheila. In progress. Molecular phylogenetic study of the genus *Buchnera* L. Sam Houston State University.

Leggett, David. In progress. A hierarchical investigation of plant biodiversity at the Puerto Vallarta Botanical Gardens, Mexico. Sam Houston State University.

Vondran, Jodi. 2013. A two pan feeding trial with companion dogs: Considerations for future testing. Kansas State University, Manhattan, KS. 104 p.

Martin, J.R. 2011. Population Genetics of Isolated Cyprinid Minnow, Pearl Dace (*Margariscus margarita*) on Isle Royale, MI. Valdosta State University, Valdosta, GA. 58 p.

Estep, T.J. 2011. Evaluating restoration potential of *Baptisia arachnifera*, an endangered legume: shade and litter effects on early life stages. Georgia Southern University, Statesboro, GA. 75 p.

Spiegel, K. S. 2010. Impacts of laurel wilt disease on redbay (*Persea borbonia*) population structure and forest communities in the coastal plain of Georgia. Georgia Southern University, Statesboro, GA. 134 p.

Hardy, M. 2009. Phenotypic variation in populations of *Silene latifolia*. Georgia Southern University, Statesboro, GA.

**Community Service**

Presented outreach talks to local environmental groups, garden clubs; served as Science Fair judge; gave College and Career Day presentation at High School; Volunteer for Potomac Gorge BioBlitz biological survey; Participated in Preparing Future Faculty Workshops at Valdosta State University and Howard University; maintained web site and answered e-mail questions from public about bees and pollinators.

**Honors and Awards**

Golden Key Honor Society (2012)

Promoted to Full Member of Sigma Xi (2006)

Awarded VSU Sabbatical Research Leave (2005)

Curator of the University of Miami Gifford Arboretum (1991-1995)

Distinguished Student Service Award, University of Miami (1996)

Nominated to "Who's Who among College Teachers", 2005; Nominated to "Who's Who in Science and Engineering", 2005; Nominated to "Who's Who in America", 2006



### **Courses and Technical Workshops**

Completed 5 undergraduate business courses at VSU (Macroeconomics, Microeconomics, Accounting I, Accounting II and Finance, GPA 4.0).

Completed on-line training in Human Subjects Protection (NIH), Use of Vertebrate Animals (NSF) Workshop: Fundamentals of MATLAB, April 2002, Atlanta, GA

Grasses of South Florida (1993), Sedges of South Florida (1994), Fairchild Tropical Garden Herbarium Internship (1994)

Organization for Tropical Studies Tropical Ecology 91-1 (1991), Costa Rica

### **Languages**

Fluent in Spanish-all aspects.

Basic knowledge of Portuguese-written and spoken.