

John B. Pascarella, PhD

Education

University of Miami

PhD in Biology

University of Kansas

BS in Biology (Systematics and Ecology)

BA in Latin American Studies (History, Spanish and Portuguese)

Graduation with Distinction, Departmental Honors, and Completion of Honors Program

Completed one year of study abroad at Universidad de Costa Rica, San José, Costa Rica

Administrative and Faculty Positions Held

Sam Houston State University, Huntsville, TX (2012-2024)

Dean of the College of Science and Engineering Technology (COSET) (7/1/2012-12/31/2022) and Professor of Biological Sciences (tenured) (2012-current).

College includes the School of Agricultural Sciences, Departments of: Biological Sciences, Chemistry, Computer Science, Engineering Technology, Environmental and Geosciences, Mathematics and Statistics, Physics and Astronomy. College previously included the School of Nursing, which moved in 2013 to the College of Health Sciences.

Enrollment Data for COSET Fall 2022: College had 3523 undergraduates, 246 MS students and 12 PhD students. College offers 28 undergraduate degree programs (25 BS and 3 BA), 11 MS degrees, 4 Graduate Certificates, and 1 PhD degree. Credit hour production in Fall 2022 was 60,511 SCH which was 24.4% of the total SHSU SCH.

Leadership Professional Development

Completed, American Association for State Colleges and Universities (AASCU) and American Academic Leadership Institute (AALI) 2022-2023 “Becoming a Provost Academy”

Developed new undergraduate and graduate programs to meet state workforce needs.

Bachelor’s Degrees (Year started): Data Science (2023), Mechanical Engineering Technology (2020), Environmental Science (2018), Cybersecurity (2018), Composite Science (2017), Agricultural Communications (2015), Electronics and Computer Engineering Technology (2014), Software Engineering (2014), and Biomedical Science (2012).

Online Master’s degrees: MA in Mathematics Education (2020), MS Professional track in Geographic Information Systems (2019), MAG Sustainable Agriculture and Food Environment (2015).

First college PhD program: PhD in Digital and Cyber Forensic Science (2018).

Developed Engineering Transfer program (2+2) with the University of Texas-Tyler College of Engineering for Mechanical, Civil, and Electrical Engineering.

Maintained or received accreditation.

BS in Computing Sciences degree ABET accreditation renewed in 2012, 2015, 2018, and 2021, received accreditation for Nursing program from CCNE (2013), and received accreditation from ABET for Construction Management (2021).

Created new advising, student success and research centers.

Developed with the College of Health Sciences Office of Pre-Health Professional Advising (OPPA) for students interested in health-related professional school. Moved to SHSU Advising Center Division of Enrollment Management Fall 2020.

Incorporated SHSU Natural History Collections from Office of Research and Sponsored Programs into Biological Sciences (2019) including funding for O&M and student workers (\$30,000).

Developed NSF Stem Center for recruitment and retention of STEM students.

Led efforts to increase student success rate in core STEM classes in Math and Chemistry.

Led planning for >\$100 million in facilities programming and construction.

Dominey Observatory (\$1,000,000, completed in 2024)

Gibbs Ranch Agricultural Sciences Complex Phase I (\$21,000,000, completed 2023)

Life Sciences Building (\$64,000,000, completed 2018)

Fred Pirkle Engineering Technology Building (\$22,500,000, completed 2017)

Vivarium (Animal Care Facility) (\$1,650,000, completed 2015)

Renovated and repurposed existing facilities for college.

Art Buildings A, C, and WASH repurposed for Engineering Technology Annexes (for Civil, Mechanical, Safety Management, and Manufacturing) (Fall 2020)

Old Huntsville High School repurposed for Natural History Collections and Art Center (2019)

Post Office building repurposed for Biology Field Station Lab (2016)

Animal Care Facility repurposed for Geology Teaching and Research Lab (2015)

Sycamore Avenue Building repurposed for Geology Core Analysis and Storage (2015)

Approved faculty and staff hiring and oversaw annual review and promotion/tenure decisions.

Recommended appointment, tenure, promotion, disciplinary action, and merit for ~ 120 tenure-track/tenured faculty, 24 staff, and ~40 adjuncts.

Hired 76 tenure-track faculty since 2012, including obtaining funding for 27 new TT faculty positions and 12 staff positions.

Developed Awards of Excellence in Teaching, Research, and Service for College faculty, staff, and students.

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

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

Promoted internationalization efforts in curricula, partnerships, and recruitment.

Developed new study abroad courses at UNIBE (Iberoamerican University of Health Sciences, Heredia, Costa Rica) for Biology, Hanyang University-Erica campus (South Korea) for Construction Management, and Szeged University (Szeged, Hungary) for Chemistry and Biology.

New International Partnerships including Firat University (Elazig, Turkey)-started a 2+2 program for Software Engineering, Zhejiang Police College (China)-hosted summer visits by Police Cadets, and Fidelitas University (San Pedro, Costa Rica)-joint conference in Computer Science and Engineering Technology. Signed MOU with institutions in Sri Lanka, India, Zimbabwe, Hungary, China, and South Korea.

Led College recruiting trips in Jordan, China, Turkey, Sri Lanka and South Korea.

Selected for Fulbright International Administrators Program US-France (2022), US-Spain Educational Program (2018), US State Department Jordan Recruitment Tour (2018), DAAD "Germany Today" Program (2014), and DAAD Germany Today Alumni Meeting (2024).

Managed budget creatively and efficiently.

Developed and managed \$40 M annual budget including state funds, institutional funds, fees, grants, endowments and gifts.

Developed plan for budget cut of \$400,000 in FY21 without layoffs or furloughs.

Increased Graduate Teaching Assistantship stipends \$5000 for MS Chemistry and \$1400 for all other MS programs; created new scholarship awards to assist with recruitment and to reward high performing second year students.

Developed and funded College Undergraduate Research Program.

Funded COSET Summer EURECA (Enhancing Undergraduate Research and Creative Activities Awards).

Obtained \$3,073,625 in new initiative funding from FY14-FY23 for faculty, staff, graduate student TA, and program support.

Obtained \$5,184,359 in new equipment and renovation funding from FY14-FY23.

Developed and received approval for new Program Fee for Laboratory Enhancement for COSET majors of \$50/semester, effective Fall 2019 (\$290,000 year).

Proposed and approved Fall 2020 increase of \$8 from \$8 to \$16 Lab Course Fee for consumable materials and supplies. Generated additional \$67,000/year.

Increased grant applications by 192%, grant \$ requested by 284%, # grants awarded by 123%, and \$ of expenditures by 177% from 2012-2022.

Increased credit hour production in COSET from to 56,524 (2013) to 60,511 (2022).

Increased College endowment by \$35 million dollars

Attended CASE Development for Deans Workshop (2015).

COSET was top college in internal fundraising for 4 out of the last 10 years.

Value of endowed and non-endowed College of Science and Engineering Technology advancement accounts was \$42,696,888 on July 1, 2021. Value in July 1, 2012 was \$7,149,374 when I began as Dean.

Major gifts obtained as Dean:

Fred Pirkle Endowment for Engineering Technology (\$25,000,000)

Engineering Technology Endowment from Quanta Energized Systems (\$3,000,000)

SHSU Observatory renovation gift (\$550,000)

Roland Black Endowed Professorship for Biological Sciences (\$500,000)

Geology Transfer Scholarship (\$500,000)

Donation of rare book collection of natural history from Biology alumni (\$250,000).

Kansas State University-Olathe, Olathe, KS (2010-2012)**Associate Dean of Academic and Research Programs (Kansas State University-Olathe) and Professor of Biology (tenured)**

Led efforts to bring academic programs to new branch campus in Olathe, KS including MS and PhD in Adult Learning and Leadership, MS in Horticulture-emphasis on Urban Food Systems, MS in Agribusiness-Animal Health Cohort, MS in Food Science, MS in Veterinary Biomedical Science, and Professional Science Masters (PSM) program in Applied Biosciences.

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.

Assisted with grant proposal writing to support university initiatives.

Led 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; Grant writing and proposal development.

Managed summer and part-time budgets (~\$1,250,000 M).

Direct report for the Office of Undergraduate Research and Office of Sustainability.

Developed proposal for new graduate program (Professional Science Masters in Applied Physical Science, launched 2014) 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)

Professor; Associate Professor; Assistant Professor (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.

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 a 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.

Other academic and administrative positions (1990-2006)

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

Co-Wrote “A Strategic Plan for Broadening Participation in the BIO directorate”; Member of Broadening Participation Working Group; Developed Research Initiation Grants/Career Advancement Awards for Broadening Participation; Revised Undergraduate Mentoring in Biology program; Federal Program Agency Review Team for assessment of 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).

Student 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.

Graduate Fellowships

National Science Foundation (NSF) Graduate Fellowship, University of Miami (1991-1994).
Robert E. Maytag Graduate Fellowship, University of Miami (1990, 1995).

Teaching

Sam Houston State University

Biology 2 (BIOL 1407), Contemporary Biology (BIOL 1408), General Ecology (BIOL 3409), Senior Seminar (BIOL 4110), University 1101 (First-Year Experience), Directed Research for Biology (BIOL 4095), Population Ecology (BIOL 5380)

Georgia Southern University

Introductory Biology for Majors, Population Biology (Graduate)

Valdosta State University

Introductory Biology for Non-Majors and Majors, Botany, Ecology, Population Biology, Environmental Issues, Natural History of Georgia for Middle School Teachers

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

**Peer-Reviewed Publications 2821 citations on Google Scholar (accessed 09/24/24),
h-index = 19, i10 index = 24**

O'Connell, R.D., D.F. Doak, C.C. Horvitz, J.B. Pascarella, and W.F. Morris. 2024. Nonlinear life table response experiment analysis: decomposing nonlinear population growth responses to changes in environmental drivers. **Ecology Letters** 27(3), e14417.

J.B. Pascarella. 2023. An annotated checklist of the Bee (Hymenoptera: Apoidea) faunal diversity in Southeastern Forest Ecosystems of the USA. **Trends in Entomology** 19: 113-127

Csaba Tölgyesi, Zoltán Bátori, John Pascarella, László Erdős, Péter Török, Péter Batáry, Klaus Birkhofer, Laura Scherer, Radek Michalko, Ondrej Kosulík, Johannes Zaller, Róbert Gallé. 2023. Ecovoltaics: framework and future research directions to reconcile land-based solar power development with ecosystem restoration. **Biological Conservation** 285: <https://doi.org/10.1016/j.biocon.2023.110242>

J.B. Pascarella. 2017. Range extension of the introduced bee species *Euglossa dilemma* (Hymenoptera: Apidae) in Monroe County, Florida. With notes of additional range extensions in southern Florida. **Florida Entomologist** 100: 309-210.

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.

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.

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.

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.

Flynn, D., M. Uriarte, T. Crk, J. B. Pascarella, J. Zimmerman, T.M. Aide, and M.C. Ortiz. 2010. Hurricane disturbance alters secondary forest recovery in Puerto Rico. **Biotropica** 42: 149-157.

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.

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.

- 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 34th Annual Conference on Ecosystem Restoration and Creation**”, Hillsborough Community College, Plant City, FL.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

- 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 25th Annual Conference on Ecosystem Restoration and Creation**”. Eds F. Webb and P. Cannizzaro. Hillsborough Community College, FL
- 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.
- J.B. Pascarella. 1998. Hurricane disturbance, plant-animal interactions, and the reproductive success of a tropical shrub. **Biotropica** 30:416-424.
- 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.
- J.B. Pascarella. 1998. Resiliency and response to hurricane disturbance in the tropical shrub *Ardisia escallonioides* (Myrsinaceae). **American Journal of Botany** 85: 1207-1215.
- 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.
- J.B. Pascarella. 1997. Mating system of the neotropical shrub *Ardisia escallonioides* (Myrsinaceae). **American Journal of Botany** 84: 456-460.
- J.B. Pascarella. 1997. Breeding systems of *Ardisia* Sw. (Myrsinaceae). **Brittonia** 49: 45-53.
- J.B. Pascarella. 1997. Pollination ecology of *Ardisia escallonioides* (Myrsinaceae). **Castanea** 62: 1-7.
- J.B. Pascarella. 1996. The biology of *Periploca* sp. (Lepidoptera: Cosmopterigidae): A specialized gall maker on *Ardisia escallonioides* (Myrsinaceae). **Florida Entomologist** 79: 606-610.
- J.B. Pascarella. 1996. Reproductive ecology of *Picramnia pentandra* (Picramniaceae) in south Florida. **Caribbean Journal of Science** 32: 99-104.
- J.B. Pascarella. 1994. Additions to the flora of south Florida: Four new species of naturalized tropical trees. **Florida Scientist** 57: 173-176.
- 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.
- 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.

In Review

J.B. Pascarella. Submitted 10/8/2024. Seeds vs Seedlings: Long-term success of seeds versus seedlings in the restoration of the federally endangered *Baptisia arachnifera* (Fabaceae) at an experimental planting. **Seeds**.

Technical publications and reports

Bennett, D.J. and J.B. Pascarella. 2022. Bees of the Big Thicket National Preserve Phase II: 2022 Final Report.

Bennett, D.J. and J.B. Pascarella. 2022. Bees of the Big Thicket National Preserve Phase II: Checklist.

Cook, J.L., W.L. Godwin, and J.B. Pascarella. 2022. Invertebrate Planning Level Surveys at Camps Maxey, Swift and Wolters. Final report for Texas National Guard.

Gary, K.P., J. L. Cook, C.W. Hargrave, and J.B. Pascarella. 2019. A species survey and inventory for the Texas Military Department. Invertebrate Planning Level Survey at Camp Bowie, Eagle Mountain Lake Maneuver Facility, and Martindale Army Air Field. Agreements TX16-ENV-11 and TX17-2017-ENV.

Maschinski, J., S. Wright, J. Possley, D. Powell, L. Krueger, V. Pence, and J.B. Pascarella. 2011. Conservation of South Florida Endangered and Threatened Flora Program at Fairchild Tropical Botanic Garden: 2010-2011 Program at Fairchild Tropical Botanic Garden Contract #015982 Final Report Submitted to the Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville, FL.

Maschinski, J., S.J. Wright, J. Possley, D. Powell, L. Krueger, V. Pence and J. Pascarella. 2010. Conservation of South Florida Endangered and Threatened Flora: 2009-2010 Program at Fairchild Tropical Garden. Final Report Contract #014880. Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville, FL.

Pascarella J. and S.J. Wright. 2010. Demographic Census of *Jacquemontia reclinata* populations. In "Maschinski, J., S.J. Wright, J. Possley, D. Powell, L. Krueger, V. Pence and J. Pascarella. 2010. Conservation of South Florida Endangered and Threatened Flora: 2009-2010 Program at Fairchild Tropical Garden. Final Report Contract #014880. Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville, FL.

Maschinski, J., S.J. Wright, J. Possley, D. Powell, L. Krueger, V. Pence and J. Pascarella. 2009. Conservation of South Florida Endangered and Threatened Flora: 2008-2009 Program at Fairchild Tropical Garden. Final Report Contract #013925. Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville, FL. October 2009.

Maschinski, J., S. J. Wright, K. Wendelberger, J. Roncal, J. B. 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.

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.

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. 2023. A Systematic Vademecum to the Vascular Plants of Saba. **Plant Science Bulletin** 69(21): 60.

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

J. B. Pascarella and Glen H. Hall. 2002. Web Page, Bees of Florida. <http://entnemdept.ifas.ufl.edu/hallg/melitto/intro.htm>

Professional Presentations *= student presenter

Pascarella, J.B. 2024. Invited poster. Bee fauna of the Sam Houston State University Piney Woods Environmental Research Lab: a 10-year survey using multiple methods. Symposium, “Conservation of ground nesting bees”, **Entomological Society of America**, Phoenix, AZ,

Pascarella, J.B., H. Posey*, and G. Almaraz*. 2024. Pollination biology of the federally threatened Texas endemic Neches River Rose Mallow (*Hibiscus dasycalyx*). **BeeCon**, York University, CA.

Pascarella, J.B. 2024. The decline of a translocated population of the endangered plant, *Baptisia arachnifera* (Fabaceae): a 18-year reintroduction study. **International Botanical Congress 2024**, Madrid, Spain.

Bennett, D., R. Antoniazzi, J. Cook, D.L. Kulhavy, J. Pascarella, L. Allen Smith, J. Williams. 2024. A summary of recent efforts to survey the bees of East Texas. **Texas Society of American Foresters** annual meeting, Livingston, TX. Invited oral contribution.

Pascarella, J.B. 2024. Comparing metapopulation models using a combined versus separate model of populations. **Beach Jacquemontia Virtual Summit**. Fairchild Tropical Botanical Garden, The

- Institute for Regional Conservation, with support from the U.S. Fish and Wildlife service, invited oral contribution,
- John B. Pascarella. 2023. Biodiversity of Apoidea at the Sam Houston State University Piney Woods Environmental Research Lab (Walker County, Texas). **Southwestern Association of Naturalists**, San Antonio, TX.
- John B. Pascarella. 2023. Biodiversity of Apoidea at Texas Military Forces Sites in Texas. **SHSU Scholarly Innovation Summit**, Huntsville, TX.
- Mousa, M. and John B. Pascarella, 2023. Machine-learning algorithm to optimize the carbon sequestration and noise attenuation of roadside vegetation in Texas. **SHSU Scholarly Innovation Summit**, Huntsville, TX.
- Csaba Tölgyesi, Zoltán Bátori, John Pascarella, László Erdős, Péter Török, Péter Batáry, Klaus Birkhofer, Laura Scherer, Radek Michalko, Ondrej Kosulík, Johannes Zaller, Róbert Gallé. 2023. Ecovoltaics: framework and future research directions to reconcile land-based solar power development with ecosystem restoration. **Society for Ecological Restoration**, Darwin, Australia.
- Sauls, A.R*., J. Pascarella, & D.J. Bennett. 2020. The bees of a sandhill community before and after a rare flooding event in the Big Thicket National Preserve, Texas. **Texas Academy of Sciences Annual Meeting**. Nacogdoches, Texas. Submitted poster contribution.
- Hankins, K*., Brenek, A*., Randle, C.R., and J.B. Pascarella. 2017. The assessment of interspecific hybridization between *Baptisia arachnifera* and *Baptisia lecontei* using sequence-related amplified polymorphism (SRAP) markers. **Botanical Society of America**, Ft. Worth, Texas.
- J.B. Pascarella. 2017. Ecological restoration of an endangered plant, *Baptisia arachnifera* (Fabaceae): a 10-year reintroduction study. **Ecological Society of America**, Portland, OR.
- J.B. Pascarella. 2017. Pollination biology of blueberries and interactions with native bees in the Eastern U.S. **Texas Pollinator PowWow**, Nacogdoches, TX.
- J.B. Pascarella and M.O. Bautista*. 2016. Sampling Method Influence on Bee Biodiversity Surveys at the Sam Houston State University Center for Biological Field Studies (Walker County, Texas). **Ecological Society of America**, Ft. Lauderdale, FL.
- Allain, L., H. Baldwin, S. Hartley, and J.B. Pascarella. 2016. Monitoring Pollinators and Pollinator Habitat within the Historic Range of Coastal Prairie. **Louisiana Department of Wildlife and Fisheries**, Lafayette, LA.
- Horvitz, C., J.B. Pascarella, and S. Tuljapurkar. 2015. Hurricanes, seed-predators and elasticities: Global patterns with local consequences. **Ecological Society of America**, Baltimore, MD.
- J.B. Pascarella. 2015. Supporting the Sciences in Colleges of Arts and Sciences. **Texas Association of Deans of Liberal Arts and Sciences 2015 Conference**, Huntsville, TX.

J.B. Pascarella. 2015. Bee Diversity in Big Bend National Park and Brewster County, Texas. **Christmas Mountains Research Symposium**, Terlingua Ranch, TX.

J. Ledezma* and J.B. Pascarella. 2015. Sampling Methods and Bee Diversity at the Sam Houston State University Center for Biological Field Studies, Walker County, Texas. **Big Thicket and West Gulf Coastal Plain Science Conference**. Nacogdoches, TX.

J.B. Pascarella. 2015. Bee Diversity in the Piney Woods of Texas. **Big Thicket and West Gulf Coastal Plain Science Conference**. Nacogdoches, TX.

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

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. 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 hypogaea* (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. **Florida Ecological and Evolutionary Scientists**, Archbold Biological Station, Venus, FL
1993. **South Florida Plant Biologists Meeting**, University of Florida IFAS, 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

Grants and Contracts

In Review:

National Academies of Sciences, Engineering, and Medicine. M. Mousa, J.B. Pascarella, and K. Hopkins. 2023. Smart Climate Change Mitigation: optimizing carbon sequestration of roadside vegetation and biochar to support local communities in the USA and Egypt. \$200,000. Submitted 12/13/23.

Sam Houston State University, Internal Grant Program. J. B. Pascarella. Herbivory and Seed Predation on the federally threatened Texas endemic Neches River Rose Mallow, \$17,500. To be submitted Nov. 1, 2024.

Recommended for Funding:

National Park Service. **A. Bennett and J.B. Pascarella**. Reconstructing Past Vegetation Using Pre-Logging Land Grant Surveys; \$41,000. Submitted 12/16/23. Recommended for funding (2/9/2024), will become active Fall 2025.

Active:

SHSU Bridges (2023-2025): M. Mousa and J.B. Pascarella. \$85,633. Machine-learning Algorithm to Optimize the Carbon Sequestration and Noise Attenuation of Roadside Vegetation in Texas.

Office of the Texas Comptroller (2022-2026): \$499,241. A survey of the bees of East Texas, with a focus on floral interactions and conservation status of bumble bees and long-horned bees. J. Williams, J. Cook, J.B. Pascarella, and K. Kleiner,

SHSU COSET Summer Undergraduate Research Award (2024), \$5500. J.B. Pascarella, H. Posey, and G. Almaraz. 2024. Risks of Genetic Hybridization with Congeneric Species in a Remnant Population of the Federally Threatened Plant Texas Neches River Rosemallow (*Hibiscus dasycalyx*).

Completed:

Texas Army National Guard (2019-2020): \$85,482. Invertebrate planning level surveys at Camp Maxey, Swift and Walters. Jerry Cook and J.B. Pascarella.

Big Thicket Association (Texas Commission on Environmental Quality) (2019-2020): Bees of the Big Thicket National Preserve: Phase 2, \$12,387. D. Bennett (Stephen F. Austin State University) and J.B. Pascarella (Sam Houston State University).

Texas Military Department (2016-2018): \$72,281. Invertebrate planning level survey at two Texas Army National Guard Training Sites: Camp Bowie and Eagle Mountain Lake Maneuver”, K. Gary, J. Cook, C. Hargrave, and J.B.Pascarella.

Big Thicket Association (Texas Commission on Environmental Quality) (2016-2018): Bees of the Big Thicket National Preserve (Insecta: Hymenoptera: Apoidea), \$13,056. D. Bennett (Stephen F. Austin State University) and J.B. Pascarella (Sam Houston State University).

Educate Texas Regional STEM Degree Accelerator Initiative (2015): \$15,000. Planning Grant for Statewide Competition.

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

Entomological Society of America

Sigma Xi

Southwestern Association of Naturalists

Professional Service

Managing Editor, The Southwestern Naturalist (2024-present)

Editorial Board, Journal of Melittology (2024-present)

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*, *Biology*, *Biotropica*,

Botany (Canadian Journal of Botany), Caribbean Journal of Science, Climatic Change, Council of Undergraduate Research Quarterly, Ecological Applications, Ecological Modelling, Ecology, Entomological Society of Washington, Florida Entomologist, Florida Scientist, Forest Ecology and Management, Georgia Academy of Sciences, Global Ecology and Conservation, 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, Plants, Public Library of Science, Revista Interciencia, Southwestern Association of Naturalists, & Wetlands.

Invited grant, fellowship and program reviewer:

American Association for the Advancement of Science-Research Partnership Initiative

National Science Foundation: Multiple Years

Broadening Participation

Doctoral Dissertation Improvement Grants (DDIG)

Ecology Panel

Graduate Research Fellowship

International Programs

Research at Undergraduate Institutions

Research Experience for Undergraduates

Chilean Government CONyCIT (National Commission for Science and Technology)

Chilean Government Ecological Research Station in Patagonia

Chilean Government Science and Technology grant review

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

National Fish and Wildlife Foundation Challenge Grants

University System of Georgia Review of Georgia Southern University PhD proposal (2022)

US Army Corps of Engineers Engineer Research & Development Center

USDA ARX competition (2023, 2024)

Service on Professional Boards

Finance and Investment Committee, Botanical Society of America (2023-2026)

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 (2012-2024)

As Faculty (2023-present)

Liaison, College of Science and Engineering Technology and SHSU PACE (Professional and Academic Center for Excellence)(2023-2024)

Curriculum Revision Committee (Fall 2023-Spring 2024)
Search Committee (Field Station Scientific Director) (Spring/Summer 2024)
University Committee on Excellence in Teaching Award (2024-2025), Chair-Elect (2024-2025)
College Faculty/Staff Campaign Committee (2024-2025)

As Dean (2012-2022)

Council of Academic Deans
Chair of the Search Committee for Dean of College of Humanities and Social Sciences
Chair of the Search Committee for Dean of Graduate Studies
Promotion and Tenure Policy Revision Committee
Strategic Scheduling Committee
Faculty Compensation Study Committee
Southern Association of Colleges and Schools Compliance Certification Committee
CCAS Standing Committee Comprehensive Institutions (over 10,000)

Kansas State University (2010-2012):

Higher Learning Commission Accreditation
K State Online Advisory Council
Associate Dean Council

Georgia Southern University (2008-2010):

Chair of the College of Science and Technology Promotion and Tenure Committee
Chair of the College of Science and Technology Post tenure Review Committee
International Affairs
Intellectual Property
College Technology
Associate Dean Council

Valdosta State University (1997-2008):

Departmental Curriculum Committee
Chair of the Non-Majors Biology Committee,
Chair of the Biology Greenhouse Committee,
College Promotion and Tenure Committee
Departmental Web Page Committee
Chair of the Department of Biology Connell Lecture Invited Speaker Committee
Chair of the Departmental Assessment Committee
Multiple Faculty Searches, including chair of the Mycology search
Council for Undergraduate Research
Faculty Research and Professional Development Committee
Interdisciplinary Science Committee
Chair, Natural Areas Management Committee

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

Undergraduate Mentoring/Research

Mentored 23 VSU undergraduates, 3 GSU undergraduates, and 13 SHSU undergraduate students in directed research.

Graduate Committee Member/Advisor (MS thesis)

Jordan, Patrick. In progress. TBD. (Advisor)

Gonzalez, Cameron. In progress. Seasonal variation in Gregarine infection in Damselflies.

Uva, Ashlyn. In progress. Impacts of fire on microlepidopteran diversity in East Texas.

Davis, Noah. In progress. Survey of *Xyleborus glabratus* in Walker, Harris, and Montgomery County and their expected distribution and potential expansion in Texas.

Frakey, Jesse. In progress. A floristic inventory of the SHSU Biology Field Station, Walker County, Texas.

Zabinski, Wyatt. 2024. Andrenidae richness in the desert region west of the Pecos River in Texas. Sam Houston State University.

Trimm, Travis. 2024. Species richness of Apidae in longleaf pine forests of East Texas. Sam Houston State University.

Hagyari, David. 2020. Estimating species richness in longleaf Pine ecosystems of Eastern Texas as a function of fire frequency. Sam Houston State University.

Warren-Hammack, David. 2019. Use of hydroponics and micropropagation techniques to improve the reproductive success of *Echinocereus reichenbachii* (Cactaceae): a threatened species in Texas. Sam Houston State University.

Rodriguez, Victoria. 2017. Genetic analysis of potential hybridization between the endangered *Gambusia nobilis* and invasive *Gambusia geiseri*, in Texas. Sam Houston State University.

Hoffpauir, David. 2017. GIS analysis of current and historical vegetation communities in Southeast Texas. Sam Houston State University.

Bayat, Soheila. 2015. Molecular phylogenetic study of the genus *Buchnera* L. Sam Houston State University.

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

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

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

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.

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

Community Service

Presented outreach talks to local environmental groups, garden clubs; Science Fair judge; College and Career Day presentation at High Schools; Volunteer for Potomac Gorge BioBlitz biological survey; Participated in Preparing Future Faculty Workshops at Valdosta State University and Howard University; Presented at Biology/Art workshops on pollinators (SHSU, 2019, 2024).

Honors and Awards

Promoted to Full Member of Sigma Xi (2006)
Awarded VSU Sabbatical Research Leave (2005)
Distinguished Student Service Award, University of Miami (1996)

Professional Development-Faculty Related

SHSU Online Training Certificate (March 2023)
Engaging Exploration Teaching Workshop (May 2023)
Member, Ecological Society of America Teaching Ecology with Human-Environment Interactions Faculty Mentoring Network (FMN) (September 2023-2024)

Additional Coursework and Certifications

Completed 5 undergraduate business courses at VSU with 4.0 GPA (2007-2008)
 Macroeconomics, Microeconomics, Accounting I, Accounting II, Finance
Associate Certificate in Program Management, George Washington University (2006)
Identification of Tallgrass Prairie Bees (Lafayette, LA, 2015)
Grasses and Sedges of South Florida (Miami, 1997)

Languages

Fluent in Spanish; Basic knowledge of Portuguese-written and spoken.