

Sandra B. Wilson

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## **EDUCATION**

Doctor of Philosophy in Plant Physiology (August, 1996), Clemson University, Clemson, SC.

Master of Science in Horticulture (May, 1993), University of Delaware, Newark, DE

Bachelor of Science in Animal Science (May, 1989), University of Delaware, Newark, DE.

## **PROFESSIONAL EXPERIENCE**

7/2011-present. Professor of Environmental Horticulture, University of Florida, Fort Pierce, FL. Responsibilities: 50% teaching, 50% research appointment.

7/2005-7/2011, Associate Professor of Environmental Horticulture, University of Florida, Fort Pierce, FL. Responsibilities: 50% teaching, 50% research appointment.

1/1999-7/2005, Assistant Professor of Environmental Horticulture, University of Florida, Fort Pierce, FL. Responsibilities: 60% teaching, 40% research appointment. Teaching includes instruction of Plant Propagation (PLSC 3221/5222C), Environmental Plant Identification (ORH 3513/5115C) and Annual and Perennial Gardening (ORH 4804/5021C). Development of two new courses in Environmental Horticulture including South Florida Flora and Ecosystems (ORH 4527C) and Florida Native Landscaping (ORH3815/5815C). Research focuses on characterizing the potential invasiveness of ornamental species.

6/96-12/98, Postdoctoral Research Associate, Clemson University, South Carolina. Worked independently in designing and conducting experiments relating to carbohydrate and photosynthetic status of micropropagated plants.

1/98-4-98, Japanese Society for the Promotion of Sciences (JSPS) Postdoctoral Fellow, Chiba University, Chiba, Japan. Collaborative research project with Drs. Toyoki Kozai and Chieri Kubota. Research focused on analyzing the carbohydrate content and media composition of micropropagated sweetpotato and tomato plantlets grown photoautotrophically and photomixotrophically under enriched CO<sub>2</sub>.

6/93-6/96, Research Assistant, Clemson University, Clemson, South Carolina.

2/91-5/93, Teaching Assistant, University of Delaware, Newark, Delaware.

6/86-5/87, Greenhouse Assistant, University of Delaware, Newark, Delaware.

### **TEACHING EXPERIENCE**

University of Florida

PLSC 3221/5222C Plant Propagation

ORH 4804/5021C Annual and Perennial Gardening

ORH 3515/5115C Environmental Plant Identification

ORH 4527C South Florida Flora and Ecosystems-*new course development*

ORH 3815/5815C Native Florida Landscaping-*new course development*

ORH 3050C Principles of Floral Art (preparation only)

Clemson University

HORT 456/656 --Vegetable Crops Labs

Obtained full responsibility for lab planning, teaching, and grading for two semesters.

Substitute lecturer for class when needed.

University of Delaware

PLSC 101 --Botany I (General Botany) Labs

PLSC 201 --Botany II (The Plant Kingdom) Labs

Obtained full responsibility for lab planning, teaching, and grading each semester during a three year teaching assistantship. Substitute lecturer for class when needed.

### **PROFESSIONAL DEVELOPMENT IN TEACHING**

Quality scorecard for best practices in online learning

Active learning- Creating excitement in the classroom

Teaching tips-strategies research and theory

Classroom communication- effective discussion and questioning

Distance education pedagogy

Online vs. traditional learning outcomes

Experiential learning and critical thinking

Teaching students to reason

Reasoning and thinking

Technology in the classroom

Enhancing your course with the web

Web-delivered distance education

Using writing to teach the methodology of the discipline

Effective use of small groups in the classroom

How to create a teaching portfolio

The seven habits of highly effective people

### **CREATIVE WORKS OR ACTIVITIES**

Web-based multiple-entry key for plant family identification. 2010-2012. This project was developed to assist DE learners in the practical use of botanical terminology and

plant anatomy, and introduce students to the distinctive characteristics of common plant families. A menu organizes the different areas of plant anatomy, such as flowers, fruit, and leaves. A user holding a wildflower specimen, for example, can first navigate to the flowers section and enter the number of petals on each flower. After that, the user can choose to put in some information about leaf shape or venation. Eventually, a list of potential families appears which can then be narrowed more.

<http://hort.ifas.ufl.edu/floragator/families.html>

Interactive Online Native Plant Identification and Ecosystem Review. 2009-2010- This project was developed to incorporate online review opportunities for students enrolled in Florida Native Landscaping. Students can (1) view plant material online and complete interactive quizzes, (2) review plant taxonomy concepts through interactive drag and drop exercises, and (3) review plant associations and site characteristics of 7 major ecosystems. The learning exercises were developed in open code so that they could be modified and used by faculty throughout the world who teach similar subjects.

<http://irrecenvhort.ifas.ufl.edu/FNL/quizzes/leafquiz.html>

World-wide greenhouse education module. 2006. Through collaboration with University of Arizona, Ohio State University and University of Vermont, this project encompasses developing a multimedia instrument for greenhouse education. This instrument consists of a repository of greenhouse educational materials that address important greenhouse topics including energy conservation, environmental safety, food produce safety, labor efficiency, and manipulation of plant responses in controlled environments. All components of the project can be obtained at:

[http://ag.arizona.edu/GHsimulator/greenhouse\\_content.html](http://ag.arizona.edu/GHsimulator/greenhouse_content.html).

Virtual plant identification. 2004. A web-based interactive interface was created so that students can learn plant material and landscape principles in different seasons and in different geographic locations. A specialized digital camera apparatus and software were utilized to convert still images into 360 degree panoramic images that were stitched together to create a virtual walk through the IRREC teaching gardens. To enhance nomenclature and identification skills, specific plants within the panorama were hyperlinked to data information sources and high resolution close-up images. This educational instrument can be viewed at

<http://irrecenvhort.ifas.ufl.edu/virtualgarden/index.htm>.

Plant propagation CD for online instruction. 2006-2010. The CD was developed with co-instructor Mack Thetford in cooperation with IFAS Communication Systems for web-based delivery of Plant Propagation (PLS 3221). Online instruction complementing each subject module. Contains: (1) narrative PowerPoint lectures given by nationally recognized experts including 11 faculty from 4 universities, including UF; (2) video of propagation practices at 4 nurseries specializing in different aspects of ornamental plant production, (3) video of live demonstrations of several propagation practices, (4) question and answer dialogue with experts at several nurseries, (5) animation of pollination and fertilization in angiosperms, (6) lecture review sheets, and (7) narration

of 18 chapters. Contents of the CD can be viewed at <http://irrecenvhort.ifas.ufl.edu/Propagation/index.html>

Digital pollination and fertilization in angiosperms. 2002. The project was developed in cooperation with the Office of Academic Training to illustrate the process of pollination and fertilization in angiosperms, including coinciding digital animation and voice automation of: (1) anther and ovule development, (2) pollination, (3) 14 steps of fertilization, and (4) embryogenesis. This learning exercise can be viewed at <http://irrecenvhort.ifas.ufl.edu/Propagation/modules.html>

IFAS-wide web-based multimedia database of native Florida plants. 2002. The project was developed in cooperation with IFAS Information Technology to input high quality images of native plants into a universal web-based interface software program (Web Taxonomy, <http://orb.ifas.ufl.edu>).

Research and teaching website. 2002-2010-. <http://irrecenvhort.ifas.ufl.edu>. Includes linked websites for all courses, research projects, and publications.

E-learning website. 2002-2010. Includes weekly PowerPoint lectures, assignments, handouts, lab exercises, quizzes, and digital images for Plant Propagation and Florida Native Landscaping courses. UF Academic Technology, <https://lss.at.ufl.edu>.

## **HONORS**

American Society for Horticultural Science ASHS Outstanding Education Publication Award. 2012 recipient.

Roche Professorship, College of Agriculture and Life Sciences, 2011-2012 recipient.

American Society for Horticultural Science Outstanding Undergraduate Educator Career Award. 2009 recipient.

University of Florida College of Agriculture and Life Sciences Undergraduate Teacher of the Year. 2006-07 recipient.

Association for Communication Excellence Gold Award for Educational Project. 2007 co-recipient.

Ph.D. graduate student co-advisor to recipient of UF CALS Best Dissertation Award. 2006.

North American Colleges and Teachers of Agriculture (NACTA) Fellow Award. 2005 recipient.

Fellowship for international research collaboration. 1998 recipient. Japanese Society for the Promotion of Sciences.

- Outstanding Young Woman in Science Award. 1997 recipient.
- Student Travel Award, 1994 recipient. American Society for Horticultural Sciences.
- Women of Excellence Award, 1993 recipient. Selected as a representative for the College of Agriculture, University of Delaware.
- Certificate of Appreciation for Outstanding Service to Teaching, 1993 recipient. Center for Teaching Effectiveness, University of Delaware.
- Student Travel Award, 1992 recipient. American Society for Horticultural Sciences.
- Student Travel Award, 1992 recipient. Commission on the Status of Women.
- Norman Childers Graduate Student Award, 1992 recipient. Best student presentation. NEASHS meetings, Amherst, MA.
- Carvel Scholarship, 1986-1988 recipient.
- O.A. Newton Scholarship, 1985 recipient.

## **LEADERSHIP DEVELOPMENT**

American Society for Horticultural Sciences Vice President, Education Division. 2012-2015. Elected position providing leadership decisions in budgets, programs, and policy.

Advanced Leadership Program for Academics. 2012-2013. Ongoing development of faculty in leadership positions with an emphasis on exploring the application of the UF Leadership/management Competency Model.

Faculty Senate. 2012-2015. A university-wide institution through which shared governance is practiced by recommending and consulting on academic activities, policy, faculty development, strategic planning and department/unit/college representation .

Roche Professorship. 2010-2012. A two year term working within CALS to provide leadership to faculty and staff in distance education pedagogy. Project includes several focus groups and a graduate student survey to assess the quality of online learning, leadership in the annual teaching enhancement symposium, and planning a teaching grants workshop to advance excellence educational grant writing.

LEAD21 National Internship Program. UGA Fanning Institute, 2010-2011.

A year long program with specific goals to (1) enhance application of skills and knowledge learning in nine leadership competencies, (2) develop a peer leadership network to enhance personal leadership practice, collaboration and diversity of perspective, and (3) develop and implement an individual leadership process. The training process also included discussion on a number of text references such as 'The 360° Leader', 'The Work of Leadership', 'Going from Good to Great', 'The 21 Irrefutable Laws of Leadership', 'Leading Change and Navigating Success- Bridging the Gap', and 'What Got you Here Won't Get you There'

## **PROFESSIONAL ORGANIZATIONS**

American Society for Horticultural Science  
Southern Nursery Association  
International Society for Horticultural Science  
Florida Nursery, Growers and Landscape Association  
Florida Native Plant Society  
Florida Exotic Pest Plant Council  
International Plant Propagators Society  
Gamma Sigma Delta  
North American Colleges and Teachers of Agriculture

## **INTERNATIONAL ACTIVITIES**

Portugal	Invited speaker, International Horticulture Congress, Lisbon.
China	Invited seminar, Guangdong Ocean University, Zhanjiang.
Spain	Presented a paper at the International Society for Horticultural Science (ISHS) Research Symposium on Greenhouse Cooling- methods, technologies and plant response, Almeria. Symposium included tours of commercial greenhouse production and technological advances in environmental control.
Honduras	(2009) Inviter speaker, Zomorano Seminar Series, via polycom  (2006) Invited speaker, Zomorano University. Traveled with several UF faculty to Honduras to visit with faculty and staff  (2006) Invited speaker, Zomorano Seminar Series, via polycom
Costa Rica	(2007) Completion of intensive Spanish learning program at Intensa School, San Jose; Visited with faculty at University of Costa Rica to discuss potential research collaboration.  (2006) UF-Short term Scholar's program, supervised and hosted undergraduate student from EARTH University for a research project conducted at Kraft Gardens (commercial foliage plant producer), Fort Pierce.

(2005) Invited speaker, EARTH University, Guácimo de Limón

(2003) Student/Faculty horticultural tour focused on learning about commercial plant production, landscaping, botanical gardens, and nature preserves throughout Costa Rica including: Agricola Poco Sol in La Tigra (foliage cutting producer), Arenal botanical garden, Manuel Antonio national park, Carara Biological Reserve, Cafe Christina organic coffee production, Fides Plants (unrooted cuttings of flowering plants), Twyford tissue culture labs, Linda Vista flower seed production, and others.

Holland	Horticultural tour focused on commercial greenhouse production, nursery production, industry research and ornamental gardens throughout Holland including Hem Genetics, Keukenhof Gardens, Aalsmeer Flower Auction, Kudelstaart potted orchid production, PanAmerican Seed Europe & Ball FloraPlant, Rijnbeek & Zoon, Lekkerkerk Plants, Fides Goldstock Breeding, Zaanse Schans and Volendam; Palis Het Loo and Kroller-Muller Museum and others.
International	<p>(2010) International Participant, Pathways to Effective International Engagement Workshop, IFAS International Programs</p> <p>(2004) Presented a paper at the International Society for Horticultural Science (ISHS) International Symposium on protected culture in a mild-winter climate, Kissimmee, FL. Symposium included tour and overview of NASA research laboratories for plant production in space.</p> <p>(2002-present) Member of the International Plant Propagator's Society</p>
Canada	Presented two papers at the International Society for Horticultural Science (ISHS) and American Society for Horticultural Science (ASHS) combined research meetings in Toronto.
Puerto Rico	Collaboration with University of Puerto Rico (T-STAR

grant) to test alternatives to peat for container-grown tropical ornamentals and nutrient management practices.

Italy Student/faculty horticultural tour focused on learning about the commercial plant production, university research, and world famous ornamental gardens throughout Italy including: Villa d-Este Gardens, Villa Lante Gardens, Vatican garden, Chigi Cetinali Gardens, Orto Botanico Gardens, Villa Torriggiani Gardens, Florence woody landscape production and interior trees, Albenga greenhouse production, University of Turin, Isola bella-Lake Maggiore Gardens, and others.

Japan Collaboration with Mitsui chemicals, Japan, and Clemson University, SC, to test photoselective plastic films in Florida.

(2000) Invited speaker, International Symposium on transplant production in closed systems, Chiba, Japan.

## **PUBLICATIONS**

### **Refereed Journal Articles**

Smith, A.M., S.B. Wilson, M. Thetford, K.L. Nolan, and C. Adams. 2014. Performance of nine Florida native wildflower species grown in varying container substrates. *Native Plant Journal*. In press.

Irani, T., S.B. Wilson, D. Slough, and M. Rieger. 2013. Graduate student experiences on and off Campus: Social connectedness and perceived isolation. *J. Distance Education*. Submitted.

Freyre, R. and S.B. Wilson. 2013. *Ruellia simplex* R10-105-Q54 ('Mayan Pink'). *HortScience*. Submitted.

Wilson, S.B., G.W. Knox, K.L. Nolan, and J. Aldrich. 2013. Landscape performance and fruiting of 12 privet selections grown in northern and southern Florida. *HortTechnology*. 24:1-6.

Wilson, S.B. and A.L. Flory. 2012. FloraGator: A novel, interactive and online multiple entry key for identifying plant families. *HortTechnology*. 22:410-412.

Freyre, R., A. Moseley, S.B. Wilson, and G.W. Knox. 2012. Fruitless *Ruellia simplex* R10-102 ('Mayan Purple') and R10-108 ('Mayan White'). *HortScience*. 47:1808-1814.

- Freyre, R., A. Moseley, S.B. Wilson, and G.W. Knox. 2012. Breeding and evaluating for landscape performance and fruitlessness in Mexican Petunia (*Ruellia*, Acanthaceae). *HortScience*. 47:1245-1251.
- Czarnecki, D.M., S.B. Wilson, G.W. Knox, R. Freyre, and Z. Deng. 2012. UF-T3 and UF-T4: Two sterile *Lantana camara* cultivars. *HortScience*. 47:132-137.
- Thetford, M., A.H. O'Donoghue, S.B. Wilson and H.E. Pérez. 2012. Softwood cutting propagation of three *Polygonella* wildflower species native to Florida. *J. Prop. Ornamental Plants*. 12(1):58-62.
- Campbell, K.R., S.B. Wilson, P.C. Wilson, and Z. He. 2011. Interactive online tools for teaching plant identification. *HortTechnology* 21:504-508.
- Wilson, S.B., G.W. Knox, Z. Deng, and R. Freyre. 2010. Characterizing the invasive potential of ornamental plants. Proceedings of the XXVIII International Horticulture Congress on Science and Horticulture for People. *Acta Horticulturae*. 937:1183-1192.
- Heather, A.E., H.E. Pérez, and S.B. Wilson. 2010. Non-deep physiological dormancy in seeds of two *Polygonella* species with horticultural potential. *HortScience*. 45:1854-1858.
- Valero-Aracama, C., M.E. Kane, S.B. Wilson, and N.L. Philman. 2010. Substitution of benzyladenine with meta-topolin during shoot multiplication increases acclimatization of difficult- and easy-to-acclimatize sea oats (*Uniola paniculata* L.) genotypes. *Plant Growth Regulation*. 60:43-49.
- Fitz-Rodríguez, E., C. Kubota, G. Giacomelli, M. Tignor, S. Wilson, and M. McMahon, 2010. Dynamic modeling and simulation of greenhouse environments under several scenarios: A web-based application. *Computers and Electronics in Agriculture*, Elsevier 70: 105-116.
- Wilson, S.B., G.W. Knox, K.L. Muller, R. Freyre, and Z. Deng. 2009. Seed production and viability of eight porterweed selections grown in northern and southern Florida. *HortScience* 44:1842-1849.
- Rhoades, E.B., T. Irani, M. Tignor, S. Wilson, C. Kubota, and G. Giacomelli, and M. McMahon. 2009. A case study of horticulture education in a virtual world: A web-based multimedia approach. *NACTA Journal*. 53:42-48.
- Wilson, S.B. and G.W. Knox. 2009. Landscape performance of green fountain grass alternatives grown in northern and southern Florida. *HortTechnology*. 19:471-476.
- Wilson, S.B., K.L. Muller, P.C. Wilson, M.R. Incer, P.J. Stoffella, and D.A. Graetz. 2009. Evaluation of new container media for *Aglaonema* production. *Communications in Soil Science and Plant Analysis*. 40:2673-2687.

Wilson, P.C. and S.B. Wilson. 2010. Effects of bromacil and simazine on growth and reproduction of *Vallisneria americana*. Environ. Toxicol. Chem. 29:201-211.

Irani, T., G. Roberts, S.B. Wilson, and E.B. Rhoades. 2009. Evaluation of the effect of multi-site distance education on knowledge gained in a plant propagation course. Quarterly Review of Distance Education. 10:27-36.

Valero-Aracama, C., M.E. Kane, S.B. Wilson, and N.L. Philman. 2008. Comparative growth, morphology and anatomy of easy- and difficult-to acclimatize sea oats (*Uniola paniculata*) genotypes during in vitro culture and ex vitro acclimatization. J ASHS. 133:830-843.

Wilson, S.B., K.L. Muller, J.A. Gersony, and B.T. Scully. 2008. The linear garden: A unique, inexpensive and effective way to facilitate plant identification and roadside beautification. HortTechnology. 18:318-319.

H.E. Danielson, R.K. Schoellhorn, S.B. Wilson, and J.G. Norcini. 2007. Use of plant growth regulators for producing more compact blanketflower. HortTechnology. 17:552-556.

Tignor, M.E., S.B. Wilson, G.A. Giacomelli, C. Kubota, E. Fitz, T.A. Irani, E. Rhoades, and M.J. McMahon. 2007. Multi-institutional Cooperation to Develop Digital Media for Interactive Greenhouse Education. HortTechnology. 17:397-399.

Xia, Y.P., P.J. Stoffella, Z.L. He, M.K. Zhang, D.V. Calvert, X. Yang and S.B. Wilson. 2007. Leaching potential of heavy metals, nitrogen, and phosphate from compost-amended media. Compost Science & Utilization. 15(1):29-33.

H.E. Danielson, J.G. Norcini, S.B. Wilson, R.K. Schoellhorn, and D.L. Miller. 2007. Growth, flowering, and survival of firewheel (*Gaillardia pulchella* Foug.) based on seed source and growing location. J. Native Plants. 8:25-39.

Valero-Aracama, C., S.B. Wilson, M.E. Kane, and N.L. Philman. 2007. Influence of in vitro growth conditions on in vitro and ex vitro photosynthetic rates of easy- and difficult-to-acclimatize sea oats (*Uniola paniculata* L.) genotypes. In vitro Cell. Dev. Biol. Plant. 43:237-246.

Valero-Aracama, C., M.E. Kane, S.B. Wilson, J.C. Vu, J. Anderson, and N.L. Philman. 2006. Photosynthetic and carbohydrate status of easy- and difficult-to-acclimatize sea oats (*Uniola paniculata* L.) genotypes during in vitro culture and ex vitro acclimatization. In vitro Cell. Dev. Biol. Plant. 42:572-583.

Wilson, S.B. and G.W. Knox. 2006. Landscape performance, flowering, and seed viability of fifteen *Miscanthus sinensis* taxa grown in northern and southern Florida. HortTechnology. 24:137-142

Wilson, S.B. and P.J. Stoffella. 2006. Using compost for container production of ornamental wetland and flatwood species native to Florida. *J. Native Plants*. 7:293-300.

Wilson, S.B., L.K. Mecca, H.E. Danielson, D.A. Graetz, and P.J. Stoffella. 2006. Container and field evaluation of three native shrubs grown in compost-based media. *Compost Science & Utilization*. 14(3):178-183.

Knox, G.W. and S.B. Wilson. 2006. Evaluating north and south Florida landscape performance and fruiting of ten cultivars and a wildtype selection of *Nandina domestica*, a potentially invasive shrub. *J. Environ. Hort.* 24:137-142.

Wilson, P.C., S.B. Wilson, and D. Haurert. 2006. Toxicity of Norflorazon to the Aquatic macrophyte *Vallisneria americana* (Michx.) *J. Toxicol. Environ. Health*. 69:1167-1179.

Xia, Y., H.E. Zhen-Li, P.J. Stoffella, D.V. Calvert, Z. Ming-Kui, Y. Xiae-E, and S.B. Wilson. 2005. Effect of compost amendment on heavy metals, nitrogen and phosphorus in a peat-based container medium. *Pedosphere*. 15:792-796.

Wilson, S.B. and H.E. Danielson. 2005. Interactive virtual plant identification and use. *Hort Technology*. 15:729-730.

Wilson, P.C., P.D. Strimple, S.B. Wilson, and J.P. Albano. 2005. Non-target deposition of methiocarb applied to a foliage plant staging area. *Bull. Environ. Contamin. Toxicol.* 74:509-517.

Wilson, S.B., M. Thetford, L.K. Mecca, and J.S. Raymer. 2004. Evaluation of 14 *Buddleja* taxa grown in western and southern Florida: I. Visual quality, growth and development. *HortTechnol.* 14:605-612.

Wilson, S.B., M. Thetford, L.K. Mecca, J.S. Raymer, and J. Gersony. 2004. Evaluation of 14 *Buddleja* taxa grown in western and southern Florida: II. Seed production and germination. *HortTechnol.* 14:612-618.

Wilson, S.B., P.J. Stoffella, L.K. Mecca, and D.A. Graetz. 2004. Compost utilization for containerized production of ornamental hammock species native to Florida. *J. Native Plants*. 5:186-194.

Wilson, S.B., P.C. Wilson, and J.A. Albano. 2004. Growth and development of the native *Ruellia caroliniensis* and invasive *Ruellia tweediana*. *HortScience*. 39:1015-1019.

Wirth, F.F., K.J. Davis, and S.B. Wilson. 2004. Florida nursery sales and economic impacts of 14 potentially invasive ornamental plant species. *J. Environ. Hort.* 22:12-16.

- Zhang, M.K., Z.L. He, P.J. Stoffella, D.V. Calvert, X.E. Yang, Y.P. Xia, and S.B. Wilson. 2004. Solubility of phosphorus and heavy metals in potting media amended with yard waste-biosolids compost. *J. Environ. Quality*. 33:373-379.
- Wilson, P.C., S.B. Wilson, and P.J. Stoffella. 2003. Pesticide screening in a commercial yard waste:biosolid compost. *Compost Science & Utilization*. 11:282-288.
- Moller, D. and S.B. Wilson. 2003. Characterizing potential invasiveness of fourteen *Buddleja* cultivars in South Florida. *J. Undergrad. Ed.* 5(2):1-12.
- Wilson, S.B. and L.A. Mecca. 2003. Seed production and germination of eight cultivars and the wild type of *Ruellia tweediana*: A potentially invasive ornamental. *J. Environ. Hort.* 21:137-143.
- Wilson, S.B. and M. Thetford. 2003. A new strategy for teaching plant propagation by distance education. *HortTechnology*. 13:577-578.
- Wilson, S.B., P.J. Stoffella, D.A. Graetz. 2003. Compost amended media and irrigation system influence containerized perennial salvia. *J. Amer. Soc. Hort. Sci.* 128: 128:260-268.
- Adkins, S., L. Breman, C.A. Baker, and S.B. Wilson. 2003. First Report of *Tomato spotted wilt virus* in Blackberry Lily in North America. *Plant Disease*. 87:102.
- Kubota, C., M. Ezawa, S.B. Wilson, and T. Kozai. 2002. In situ estimation of carbon balance of in vitro sweet potato and tomato plantlets cultured with varying initial sucrose concentrations in the medium. *J. Amer. Soc. Hort. Sci.* 127:963-970.
- Wilson, S.B., P.J. Stoffella, and D.A. Graetz. 2002. Development of compost-based media for containerized perennials. *Scientia Hort.* 93:311-320.
- Tignor, M.E., S.B. Wilson, and P.C. Wilson. 2002. Development of an undergraduate plant science course promoting environmental awareness, native flora, and critical thinking skills. *NACTA Journal*. 46(1):26-32.
- Wilson, S.B. and N.C. Rajapakse. 2001. Use of photosensitive plastic films to control growth of three perennial salvias. *J. Applied Hort.* 3:71-74.
- Wilson, S.B. and N.C. Rajapakse. 2001. Use of photosensitive plastic films to control growth of *Lisianthus*. *HortTechnology*. 11:581-584.
- Wilson, S.B. and N.C. Rajapakse. 2001. Growth regulation of sub-tropical perennials by photosensitive plastic films. *J. Environ. Hort.* 19:65-68.

Wilson, S.B., N.C. Rajapakse, and R.E. Young. 2001. Carbohydrate status and post storage recovery of micropropagated hosta plantlets stored at varying temperatures in light or darkness. *Acta Hort.* 543:265-273.

Wilson, S.B., P.J. Stoffella, and D.A. Graetz. 2001. Use of compost as a media amendment for containerized production of two sub-tropical perennials. *J. Environ. Hort.* 19:37-42.

H. Jeongwook, S.B. Wilson, and T. Kozai. 2001. A forced ventilation micropropagation system for photoautotrophic production of sweetpotato plug plantlets in a scaled-up culture vessel. I. Growth and uniformity. *HortTechnology* 11:90-94.

Wilson, S.B., H. Jeongwook, C. Kubota, and T. Kozai. 2001. A forced ventilation micropropagation system for photoautotrophic production of sweetpotato plug plantlets in a scaled-up culture vessel. II. Carbohydrate status. *HortTechnology* 11:95-99.

Wilson, S.B., P.J. Stoffella, and D.A. Graetz. 2001. Evaluation of compost as an amendment to commercial mixes used for container-grown golden shrimp plant production. *HortTechnology* 11:31-35.

Wilson, S.B., P.J. Stoffella, and D.A. Graetz. 2001. Compost-amended media for growth and development of Mexican heather. *Compost Science & Utilization* 9 (1):60-64.

Wilson, S.B., C. Kubota, and T. Kozai. 2000. Effects of medium sugar on growth and carbohydrate status of sweetpotato and tomato plantlets in vitro. In C. Kubota and C. Chun, eds. *Transplant production in the 21<sup>st</sup> century*. Kluwer academic publishers, Dordrecht, The Netherlands.

Wilson, S.B., N.C. Rajapakse, and R.E. Young. 2000. Use of low temperature to improve storage of in vitro broccoli seedlings under various light qualities. *J. Veg. Crop Prod.* 6(2):51-67.

Wilson, S.B., N.C. Rajapakse, and R.E. Young. 2000. Media composition and light affect storability and post storage recovery of micropropagated hosta plantlets. *HortScience* 35:1159-1162

Wilson, S.B., K. Iwabuchi, N.C. Rajapakse, and R.E. Young. 1998. Responses of broccoli seedlings to light quality during low temperature storage in vitro. I. Morphology and survival. *HortScience* 33:1253-1257.

Wilson, S.B., K. Iwabuchi, N.C. Rajapakse, and R.E. Young. 1998. Responses of broccoli seedlings to light quality during low temperature storage in vitro. II. Sugar content and photosynthetic efficiency. *HortScience* 33:1258-1261.

## Conference Proceedings/Reports

Krueger, K., S.B. Wilson, K. Moore, G.W. Knox, and Z. Deng. 2013. National ornamental grass trial-University of Florida, Ft. Pierce 1<sup>st</sup> year results. Proc. South. Nurs. Assoc. 58:184-186.

Freyre R, A. Moseley, C. Reinhardt-Adams, A.G.W. Knox, S.B. Wilson and Z. Deng. 2013. Breeding *Ruellia* spp. at the University of Florida. Proc. VIIIth International Symposium on New Floricultural Crops. Eds.: G. Facciuto and M.I. Sanchez. Acta Hort. 1000:423-428.

S.B. Wilson. 2012. A new online multiple entry key for identifying plant families. Proc. South. Nurs. Assoc. 57:225-228.

Wilson, S.B. and G.W. Knox. 2011. Landscape performance and invasive potential of 12 *Ligustrum sinense*, *Ligustrum lucidum* and *Ligustrum japonicum* cultivars grown in north and south Florida. Proc. South. Nurs. Assoc. 56:361-367

Stoffella, P.J., M. Ozores-Hampton, Z. He, N. E. Roe, and S. B. Wilson. 2011. Compost utilization in horticultural cropping systems in Florida, USA. Acta Hort. In press.

Wilson, S.B., G.W. Knox, Z. Deng, and R. Freyre. 2010. Non-invasive alternatives to *Stachytarpheta cayennensis* (Nettleleaf porterweed) grown in north and south FL. Proc. South. Nurs. Assoc. 55:1-5.

Heather, A.E., H.E. Pérez, and S.B. Wilson. 2009. Alleviating seed dormancy of two native wildflowers: *Polygonella polygama* and *Polygonella robusta*. Proc. South. Nurs. Assoc. 54:435-441.

Heather, A.E., S.B. Wilson, H.E. Pérez, and M. Thetford. 2009. Vegetative propagation of two Florida native wildflower species: *Polygonella polygama* and *Polygonella robusta*. Comb. Proc. Int. Plant Prop. Soc. 59:114-121.

Knox, G.W., S. Park Brown, S.B. Wilson, K. Muller, J. Mangandi, and J. Aldrich. 2009. Initial Performance of 12 Roses Grown in North, Central and South Florida under Low Maintenance Conditions. Proc. South. Nurs. Assoc. 54:245-249.

Thetford, M., A.E. Heather, H.E. Perez, and S.B. Wilson. 2008. Propagation of wildflowers from wild-collected seeds or cuttings. Comb. Proc. Int. Plant Prop. Soc. 58:555-560.

Wilson, S.B. and G.W. Knox. 2008. Ornamental performance of 10 fountain grass taxa grown in north and south Florida. Proc. South. Nurs. Assoc. 53:105-110.

Hammond, H.D., R.K. Schoellhorn, S.B. Wilson, and J.G. Norcini. 2007. Evaluation of Gaillardia cultivars and ecotypes for landscape performance in north central Florida. Proc. South. Nurs. Assoc. 52:10-12.

Tignor, M.E., G.A. Giacomelli, S.B. Wilson, C. Kubota, E. Fitz, T.A. Irani, E. Rhoades, and M.J. McMahon. 2006. Development of a web-based multi-media resource for environmental control modeling and greenhouse education. Acta Hort. 719:303-310.

Hammond, H.D., R.K. Schoellhorn, S.B. Wilson, and J.G. Norcini. 2006. Use of florel and sumagic to control the growth of torch blanketflower (*Gaillardia pulchella* Foug. 'Torch'). Proc. South. Nurs. Assoc. 51:342-344.

Wilson, S.B., G.W. Knox, and L.K. Mecca. 2005. Evaluating fifteen *Miscanthus sinensis* taxa in north and south Florida. Proc. South. Nurs. Assoc. 50:554-558.

Valero-Aracama, C., S.B. Wilson, M.E. Kane, and N.L. Philman. 2004. Starch utilization during *in vitro* rooting of easy- and difficult-to-acclimatize sea oats (*Uniola paniculata* L.) genotypes. Comb. Proc. Inter. Plant Prop. Soc. 54: 22-27.

Danielson, H.E., S.B. Wilson, R.K. Schoellhorn, and P.J. Stoffella. 2004. Container and field-evaluation of *Gaillardia pulchella* production in compost-based media. Comb. Proc. Inter. Plant Prop. Soc. 54:77-82.

Wilson, S.B., L.A. Krumholz, and J.A. Gersony. 2004. Design, development and use of an ornamental teaching garden at the Indian River Research and Education Center, University of Florida. Acta Hort. 641:137-143. Refereed.

Wilson, S.B., M. Thetford, and W. Vendrame. 2004. Restructuring a plant propagation course for distance education. Acta Hort. 641:111-116. Referred.

Wilson, S.B., L.K. Mecca, and P.J. Stoffella. 2004. Evaluation of compost as a viable medium amendment for containerized perennial production. Acta Hort. 659:697-703.

Knox, G.W., S.B. Wilson, and L.K. Mecca. 2004. Evaluating eleven *Nandina domestica* taxa in north and south Florida. Proc. South. Nurs. Assoc. 49:555-559.

Wilson, S.B., T.M. Minton, L.K. Mecca, and J. Gersony. 2004. Ornamental teaching gardens: design, development, and use. EDIS publication, University of Florida.

Wilson, S.B. 2003. Characterizing invasive ornamental species of Florida. Proc. Inter. Plant Prop. Soc. 53:40-44.

Mecca, L.K., S.B. Wilson, M. Thetford, J.S. Raymer, and E.L. Barnett. 2003. Assessing visual quality, growth and seed production of 14 *Buddleja* cultivars grown in west and south Florida. Proc. South. Nursery Assoc. 48:68-71.

Wirth, F.F., K.J. Davis, and S.B. Wilson. 2003. Market Analysis of 14 Potentially Invasive Ornamental Plant Species in Florida. Economic Information Report, University of Florida. EIR 03-1, March.

Thetford, M. and S.B. Wilson. 2002. Integrating web technology with traditional teaching of plant propagation. Proc. Inter. Plant Prop. Soc. 52.

Zansler, M.L., S.B. Wilson, and S.D. Thornsby. 2002. Florida's ornamental plant industry: an estimation of profitability. Proc. South. Nursery Assoc. 47:557-560.

Davis, K.J., F.F. Wirth, and S.B. Wilson. 2002. Florida Nursery Sales of 14 Potentially Invasive Ornamental Plant Species. Proc. South. Nursery Assoc. 47:557-560.

Valero-Aracama, C., M.E. Kane, S.B. Wilson, and N.L. Philman. 2002. Genotypic differences of in vitro propagated Sea Oats (*Uniola paniculata* L.). Proc. South. Nursery Assoc. 47:357-360.

Albano, J.A., P.C. Wilson, and S.B. Wilson. 2002. The effects of irrigation water alkalinity on production of Thryallis (*Galphimia glauca*). Proc. South. Nursery Assoc. 47:51-55.

Wilson, P.C., P. Strimple, S.B. Wilson and J.A. Albano. 2002. Methiocarb deposition and dissipation at a South Florida ornamental nursery. Proc. South. Nursery Assoc. 47:580-584.

Krumholz, L.A. and S.B. Wilson. 2002. Assessing the reproductive potential of *Ruellia brittoniana* cultivars. Proc. South. Nursery Assoc. 47:99-103.

Xia, Y.P., M.K. Zhang, X.E. Yang, Z.L. He, P.J. Stoffella, and S.B. Wilson. 2002. Effects of compost amendment on concentrations and extractability of heavy metals, nitrate, and phosphate in peat-based media. Proc. Composting in the Southeast Conference and Exposition.

Wilson, S.B. and M. Thetford. 2001. The integration of traditional teaching and distance delivery of plant propagation statewide. Proc. Inter. Plant Prop. Soc. 51:83-85.

Wilson, S.B., N.C. Rajapakse, and R.E. Young. 2001. Carbohydrate status and post storage recovery of micropropagated hosta plantlets stored at varying temperatures in light or darkness. Acta Hort. 543:265-273. Refereed.

Krumholz, L.A., S.B. Wilson, and N.C. Rajapakse. 2001. Growth control of *Salvia x* 'Indigo Spires' by photosensitive plastic films. Proc. Fla. State Hort Soc. 114.

Wilson, S.B. and P.C. Wilson. 2001. Assessment of germination, nutrient uptake and photosynthetic efficiency for evaluating the potential invasiveness of *Ruellia brittoniana*. Proc. Fla. State Hort. Soc. 114.

Wilson, S.B. and P.C. Wilson. 2001. Characterizing the potential invasiveness of ornamental plants in the Florida landscape. Proc. Southern Nursery Assoc. 46:472-475.

Wilson, S.B. and N.C. Rajapakse. 2000. Growth regulation of golden shrimp plant by photoselective plastic films. Proc. Southern Nursery Assoc. 45:279-283.

Krumholz, L.A., S.B. Wilson, and P.J. Stoffella. 2000. Use of compost as a media amendment for containerized production of the perennial, Cat Whiskers. Proc. Southern Nursery Assoc. 45:68-72

Minton, T.M. F.F. Wirth, and S.B. Wilson. 2000. Florida's changing foliage industry: 1987-1997. Proc. Southern Nursery Assoc. 45:505-508.

Wilson, S.B. and S.D. Thornsby. 2000. Incorporation of peer learning in an agricultural curriculum. Teaching and Learning Paper TLP00-13, University of Florida.

Tignor, M.E., S.B. Wilson. 1999. Sowing the seeds of a new horticultural sciences teaching program. Proc. Fla. State Hort. Soc. 112:255:260.

Kubota, C., M. Ezawa, S.B. Wilson, and T. Kozai. 1998. Carbon balance of tomato and sweetpotato plantlets cultured with different initial sucrose concentrations in the medium. Jap. Soc. Environ. Cont. Biol. 1:313-314.

Wilson, Sandra B., C. Ray, N.K.D. Ranwala, K. Brock, B.A. Fortnum, and D.R. Decoteau. 1996. Methyl bromide alternatives in fresh market tomato production. Clemson University Vegetable Report. 7:45-47.

Decoteau, D.R., S.B. Wilson, C.L. Ray, and H.H. Graham. 1996. A plant physiologist's view of the perception of light and color by plants. Proc. 26<sup>th</sup> Nat. Ag. Plastics Con. 158-163.

Adelberg, J. S. Wilson, K. Iwabuchi, and R. Young. 1996. Research on micropropagation of ornamental crops: the automated laboratory. Clemson University Professional Turf Grass and Landscape Update. 23.

Wilson, Sandra B., K.H. Brock, B.A. Fortnum, and D.R. Decoteau. 1994. Alternatives to methyl bromide fumigation in tomato production. Clemson University Vegetable Report. 6:79-80.

Decoteau, D.R., D. Ranwala, M.J. McMahon, and S.B. Wilson. 1994. The Lettuce Growing Handbook. McDonald's Corporation.

### **Non-refereed IFAS Extension/EDIS Publications** (internally peer reviewed)

Adams, C.A., C. Wiese, L.C. Lee, S.B. Wilson, A. Smith, and R. Freyre. 2013. Managing Mexican petunia (*Ruellia simplex* C. Wright) in the home landscape. EDIS publication, University of Florida, IFAS. ENH

Knox, G.W., S.B. Wilson, Z. Deng, and R. Freyre. 2013. Alternatives to invasive plants commonly found in north Florida landscapes. . EDIS publication, University of Florida, IFAS. ENH1206. <http://edis.ifas.ufl.edu/ep467>

Knox, G.W., R. Freyre, S.B. Wilson and Z. Deng. 2013. Alternatives to invasive plants commonly found in central Florida landscapes. EDIS publication, University of Florida, IFAS. ENH1207. <http://edis.ifas.ufl.edu/ep468>.

Knox, G.W., S.B. Wilson, Z. Deng, and R. Freyre. 2013. Alternatives to invasive plants commonly found in south Florida landscapes. . EDIS publication, University of Florida, IFAS. ENH1222. <http://edis.ifas.ufl.edu>

Knox, G.W. and S.B. Wilson. 2010. 'Harbour Dwarf' nandina (*Nandina domestica*): Noninvasive in south Florida and recommended with caution in central and north Florida. EDIS publication, University of Florida, IFAS. ENH1158. <http://edis.ifas.ufl.edu/ep418>.

Hupp, K.S., A.M. Fox, S.B. Wilson, E.L. Barnett, and R.K. Stocker. 2009. Natural area weeds: Mexican petunia (*Ruellia tweediana*). EDIS publication, University of Florida, IFAS. ENH1155. <http://edis.ifas.ufl.edu/ep415>.

Knox, G.W. and S.B. Wilson. 2009. 'Firepower' nandina (*Nandina domestica*): A noninvasive nandina for Florida. EDIS publication, University of Florida, IFAS. ENH1116/EP381. <http://edis.ifas.ufl.edu/EP381>

Wilson, S.B., T.M. Minton, L.K. Mecca, and J.A. Gersony. 2003. Ornamental teaching gardens: Design, development, and use. EDIS Publication FE469, University of Florida, IFAS. <http://edis.ifas.ufl.edu/FE469>

### **Non Referred Trade Journals**

A.M. Smith, C.R. Adams, S.B. Wilson. 2013. Mexican petunia (*Ruellia simplex*) invasions: management challenges and research opportunities. Winter. 16:1-6.

Norcini, J., A. Frances, S. Wilson, K. Muller, D. Miller, D. Gordon, and C. Reinhardt-Adams. 2007. Glyphosate is an effective tool for initial establishment of native wildflowers. Better Roadsides Magazine. 77:8-12.

Wilson, S.B. and P.J. Stoffella. 2005. Evaluation of compost as a viable medium amendment for containerized ornamental production. *Ornamental Outlook*. 14(8):24-25.

Rajapakse, N.C. and S.B. Wilson. 2002. Photosensitive greenhouse films can control growth. *GMPRO*. 22(4):52-59.

Wilson, S.B., P.J. Stoffella, and L.A. Krumholz. 2001. Containerized perennials make good use of compost. *BioCycle*. 42:59-61.

Wilson, S.B. and N.C. Rajapakse. 2001. Using plastic films to regulate perennial growth. *American Nurseryman*. 194(8):50

Wilson, S.B., L.A. Krumholz, and P.J. Stoffella. 2001. Capitalizing with compost. *Ornamental Outlook*. 10(10):24.

Wilson, S.B., L.A. Krumholz, and P.J. Stoffella. 2001. Research shows compost a viable growing medium. *American Nurseryman*. 194(1):16.

Wilson, S.B., L.A. Krumholz, and N.C. Rajapakse. 2001. Photosensitive films for height control. *Ornamental Outlook*. 10(10):12-13.

N.C. Rajapakse, T. Cerny, and S.B. Wilson. 2000. Photosensitive greenhouse covers for plant growth regulation. *Flower Tech Magazine*. 3(8):32-38.

**Abstracts during the past 5 years** (56 total presented orally or as a poster at national and regional meetings)

Freyre, R., A. Moseley, C. Reinhardt-Adams, G. Knox, S.B. Wilson, and Z. Deng. 2012. Breeding *Ruellia* spp. at the University of Florida.

Smith, A.M., S.B. Wilson, M. Thetford, and C.R. Adams. 2012. Greenhouse and landscape performance of nine native wildflowers grown in varying containerized media. *HortScience*. 47:S256.

Giacomelli, G.A., M. Harrington, A. Sotala, and S.B. Wilson. 2012. Comparison of two delivery methods used to produce an online lecture entitled 'worldwide technology for controlled environment plant production. *HortScience* 47:S214.

Freyre, R., A. Moseley, C. Reinhardt-Adams, G. Knox, and S.B. Wilson. 2012. Limiting invasive *Ruellia* populations via breeding sterile cultivars and developing efficient control in natural areas. *HortScience* 47:S197.

Smith, A.M., S.B. Wilson, M. Thetford, and C.R. Adams. 2012. Growth and development of native wildflowers in varying containerized media. 32<sup>nd</sup> Annual Florida Native Plant Society Program Booklet, p. 21.

Thetford, M., S.B. Wilson, and H.E. Perez. 2012. Wildflower propagation and production. 32<sup>nd</sup> Annual Florida Native Plant Society Program Booklet, p. 17.

Campbell, K.R. and S.B. Wilson. 2011. Development of online teaching tools for plant identification. NACTA. 55(1)47.

Campbell, K.R. and S.B. Wilson. 2011. Interactive review exercises for online native plant identification and use. HortScience. 46(9):S400.

Deng, Z., S. Smith, G.W. Knox, and S.B. Wilson. 2011. Induction and characterization of tetraploids in Nandina (*Nandina domestica*). HortScience. 46(9):S169.

Knox, G.W., S.B. Wilson, Z. Deng, and R. Freyre. 2011. Alternatives to invasive plants commonly found in Florida landscapes. Florida Native Plant Society and FLEPPC Combined meetings. In press.

Deng, Z., S.B. Wilson, G.W. Knox, and R. Freyre. 2011. Identifying and developing non-invasive varieties in landscape plants: Progress and prospects. Proc. FSHS. Abstracts of the 2011 Meeting of the Florida State Horticultural Society (<http://www.fshs.org/Meetings/2011/FSHS-2011-Abstracts.pdf>).

Wilson, S.B. and G.W. Knox. 2010. Assessing the invasive potential of 12 *Ligustrum sinense*, *Ligustrum lucidum*, and *Ligustrum japonicum* cultivars grown in northern and southern Florida. HortScience. 45(8):S161. (Abstr.).

Wilson, S.B., G.W. Knox, Z. Deng, and R. Freyre. 2010. Characterizing the invasive potential of ornamental cultivars. International Society for Horticulture Science. Sm11-S437.

Knox, G.W. and S.B. Wilson. 2010. Risk assessment and research response of Florida-invasive ornamentals and their cultivars. HortScience. 45(8):S31. (Abstr.)

Knox, G.W., S. Park Brown, S.B. Wilson, K. L. Muller, and J.H. Aldrich. 2010. Performance of 12 shrub roses grown in northern, central and southern Florida under low maintenance conditions. HortScience. 45(8):S224. (Abstr.)

Valero-Aracama, C., M.E. Kane, S.B. Wilson, and N.L. Philman 2010. Substitution of benzyladenine with meta-topolin during shoot multiplication increases acclimatization of easy- and difficult-to-acclimatize Sea Oats (*Uniola paniculata* L.) genotypes. Proceedings of the 12<sup>th</sup> IAPB Congress. S-350.

Wilson, S.B., G.W. Knox, Z. Deng, and R. Freyre. 2010. Potential alternatives to ornamental invasives in Florida. Florida Exotic Pest Plant Council 25<sup>th</sup> Annual Symposium. In press.

Wilson, S.B., G.W. Knox, R. Freyre, and Z. Deng. 2009. Seed production and viability of eight portweed selections grown in northern and southern Florida. HortScience. 44:1063.

Heather, A.E., H.E. Perez, and S.B. Wilson. 2009. Alleviating seed dormancy of two native wildflowers: *Polygonella polygama* and *Polygonella robusta*. 29<sup>th</sup> Annual FL Native Plant Soc. Conf. Abstract Book, pg. 1.

Heather, A.E., H.E. Perez, S.B. Wilson, and M. Thetford. 2009. Asexual Propagation of Two Native Wildflowers: *Polygonella polygama* and *Polygonella robusta*. 29<sup>th</sup> Annual FL Native Plant Soc. Conf. Abstract Book, pg. 17.

Muller, K.L., J.A. Gersony, P.A. Frey, S.B. Wilson, and B.T. Scully. 2008. The linear garden- A unique, inexpensive, and effective way to facilitate plant identification and roadside beautification. HortSci. 43:1173.

Wilson, S.B., K.L. Muller, M. R. Incer, P. C. Wilson, P.J. Stoffella, and D.A. Graetz. 2007. Evaluation of new container media for improved *Aglaonema* production. HortSci. 42:995-996.

Thetford, M. and S.B. Wilson. 2007. Web-based plant propagation lectures and labs. HortSci. 42:841.

Norcini, J.G., A. Frances, S.B. Wilson, K.L. Muller, D.L. Miller, D. Gordon, and C. Reinhardt-Adams. 2007. Glyphosate is an effective tool for initial establishment of native wildflowers. Managing roadsides naturally.

## **GRANTS**

Wilson, S.B. 2013. Development of web-based learning modules to supplement statewide plant propagation labs. CALS mini-grant for distance education. \$4,951.

Wilson, S.B. 2012. Development of a plant finder application for students to identify and learn over 150 plant species located in the IRREC Teaching Gardens. CALS mini-grant for instructional improvement. \$7,500.

Wilson, S.B. 2011. Development of a web application for students to readily identify and learn plant families. CALS minigrant program for distance education. \$4,998.

Wilson, S.B. and N. Proctor. 2010. An interactive way to identify flowering plant families online. CALS minigrant program for distance education. \$4,978.

Freyre, R., S.B. Wilson, C. Reinhardt-Adams and G. Knox. 2010-2012. Control of invasive *Ruellia simplex* through induced sterilization and improved management in invaded natural areas. T-STAR Grants Program, USDA. \$119,901.

Deng, Z. and S.B. Wilson. 2010-2012. Improving the effectiveness of *Lantana camara* sterilization through trait elimination and triploid production. T-STAR Grants Program, USDA. \$119,998.

Wilson, S.B. 2009. Converting an existing Native Landscaping course for statewide distant education delivery. CALS minigrant program for distance education. \$2,500.

Wilson, S.B. 2009. Interactive review exercises for a Florida Native Landscaping course. CALS minigrant program for teaching enhancement. \$3,000.

Knox, G.W., S.B. Wilson, Z. Deng, and R. Freyre. 2009. Evaluation of non-invasive cultivars for the green industry. Center for Applied Nursery Research. \$2,500.

Deng, Z., S.B. Wilson, G.W. Knox, and R. Freyre. 2008-2010. Genetic sterilization for preventative control of invasiveness in *Lantana camara*. T-STAR Grants Program, USDA. \$119,986.

S.B. Wilson, M. Thetford, and H. Perez. 2007-2009. Production, propagation, and landscape evaluation of native wildflowers in west, north and south Florida. Florida Wildflower Foundation. \$108,864.

Deng, Z., C.D. Stanley, G.W. Knox, and S.B. Wilson. 2007-2013. Reducing nursery and landscape water use by genetically altering nandina plants, Southwest Florida Water Management District. \$125,000.

Wilson, S.B., Z. Deng, G.W. Knox, and R. Freyre. 2007-2011. A proactive approach to invasive plant management of FLEPC Category I and II ornamentals. Florida Department of Environmental Protection. \$67,004.

Wilson, S.B. and M. Thetford. 2007. Interactive exercises to enhance student learning concepts in plant propagation. University of Florida Instructional Mini-grant. \$2,000.

Z. Deng, G.W. Knox, and S.B. Wilson. 2007. Evaluation of 19 Heavenly bamboo (*Nandina domestica*) cultivars as potential candidates for sterilization. FNGLA Endowed Research Fund. \$5,000.

G.W. Knox, S.B. Wilson and Z. Deng. 2007. Evaluation of heavenly bamboo (*Nandina domestica*) cultivars as potential candidates for sterilization. Center for Applied Research. \$2,000.

Norcini, J., S.B. Wilson and D. Miller. 2004-2008. Native roadside wildflowers in rural areas: Developing best management practices for establishment of plantings by seed and enhancement of naturally-occurring populations. Florida Department of Transportation. \$215,947.

Wilson, S.B. 2000-2005. Development of screening protocols for evaluating the potential invasiveness of new ornamental species to the Florida landscape. Florida Department of Environmental Protection. \$108,747.

Wilson, S.B. 2003. Virtual plant identification. UF College of Ag and Life Sciences. \$3,000.

Wilson, S.B. 2003. World-wide web-based plant identification and design, UF Office of Academic Training. \$6,495.

Libran, M.C. and S.B. Wilson. 2000-2003. Alternatives to peat for container-grown tropical ornamentals and nutrient management practices. T-STAR Grants Program, USDA. \$96,189.00.

Kane, M.E. and S.B. Wilson. 2002-2004. Enhanced commercial selection and micropropagation of Sea Oats genotypes for dune stabilization. U.S. Department of Commerce, Florida Sea Grant Program. \$145,135.00.

Wilson, S.B. and G.W. Knox. 2002. Evaluating potential invasiveness of ten *Nandina domestica* cultivars in north and south Florida. Center for aquatic and invasive plants, University of Florida. \$9,000.00

Wilson, S.B. and M. Thetford. 2002. Content module development for online instruction of plant propagation. Office of Instructional Resources, University of Florida, \$4,500.00.

Wilson, S.B. and G.W. Knox. 2002. Evaluating potential invasiveness of ten *Nandina domestica* cultivars in north and south Florida. Florida Agricultural Experiment Station FNGA Endowed Research Fund. \$5,000.00.

Wilson, S.B. and M. Thetford. 2001. Characterizing potential invasiveness of five *Buddleia* species and respective cultivars. Center for aquatic and invasive plants, University of Florida. \$10,000.00.

Wilson, P.C., S.B. Wilson, and P.J. Stoffella. 2001. Presence of selected pesticides in commercial compost. Center for Natural Resources, University of Florida, \$3,000.00

Wilson, S.B. 2001. Development of an IFAS-wide web-based multi-media database containing Florida native plant images. IFAS Information Technologies, University of Florida, \$1,000.00.

Wilson, S.B. and P.C. Wilson. 2000. Assessment of nutrient use efficiency and photosynthesis for evaluating the potential invasiveness of new ornamental species into the Florida landscape. Center for Aquatic and Invasive Plants, University of Florida, \$804.00

Wirth, F. and S.B. Wilson. 2000. Economic analysis of phasing out potentially invasive plants. Center for Aquatic and Invasive Plants, University of Florida, \$9,955.00

Wilson, S.B. and P.J. Stoffella. 2000. Irrigation systems to improve growth and development of containerized perennials grown in compost-amended media. Center for Natural Resources, University of Florida, \$2,000.00.

Wilson, S.B., and P.J. Stoffella. 1999. Organic media alternatives to peat for container-grown perennial plant production. Center for Natural Resources, University of Florida, \$2,000.00.

Wilson, S.B. 1999. Mini-grant proposal for the improvement of instruction. College of Agricultural and Life Sciences, University of Florida, 2,980.00.

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