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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

4/2016-present. Professor of Environmental Horticulture, University of Florida, Gainesville, FL. Responsibilities: 50% teaching, 50% research appointment.

10/2014-4/2016. Chair and Professor of Environmental Horticulture, University of Florida, Gainesville, FL.

7/2011-10/2014. 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 CO₂.

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 (Fall 2018 DE)

ORH 4804/5021C Annual and Perennial Gardening (Spring 2017-GNV)

ORH 3515/5115C Environmental Plant Identification

ORH 4527C South Florida Flora and Ecosystems

ORH 3815/5815C Native Florida Landscaping (Spring 2018-GNV)

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

Flipping 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

Interactive online plant propagation glossary. 2015-2017. A web app built as a collection of glossary pages, which are accessed through two methods, a navigational menu system organized by topic categories, and an alphabetical index of terms. The index has an internal search function which allows the user to type in a term. Over 500 propagation terms are defined and accompanied with images and videos.

Storyline interactions and simulations as a DE supplement to traditional on site lab experiences in plant propagation. 2013-2014. This project was developed as a way for students to interactively review online lecture concepts prior to their associated lab in an effort to synchronize subject knowledge with hands on applications. Self review quizzes can be found at <http://irrecenvhort.ifas.ufl.edu/Propagation/assignments.html>.

I-Application and 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. The online digital repository can be found at: <http://badger.uvm.edu/dspace/handle/2051/1924>

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. 2002-2014-. <http://irrecenvhort.ifas.ufl.edu>. Includes linked websites for all courses, research projects, and publications.

E-learning website. 2002-2014. 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

Fellow award. American Society for Horticultural Science ASHS. 2015 recipient.

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

Academic Administrators Leadership Seminar Series Program. 2015-2016. Four part series providing insight into various management issues including HR topics, legal tips, tenure and promotion, privacy and security, university budget and fiscal accountability, and conflict resolution.

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
International Society for Horticultural Science
Southern Nursery Association
Florida State Horticultural Society
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

SERVICE TO ASHS

-Vice President, Education Division 2013-2015, responsible for Graduate and Undergraduate Poster competitions, Scholar's ignite, and all associated working groups and committees
-Fellows selection committee
-Authored or co-authored 32 refereed manuscripts in the Journal of ASHS, HortScience, or HortTechnology.
-Invited speaker, 45 oral or poster contributions at ASHS
-Student competition judge
-Session moderator
-Co founder of Invasive Plant Working Group
-Chair, Invasive Plant Working Group
-Chair, Plant propagation working group

- Coordinated special hot topics workshop on Mooks
- Chair, undergraduate educator award committee
- Coordinated special workshop on prevention and screening of invasive species

SERVICE TO IPPS

- Board member 2013-2015
- Membership Committee 2013-2015
- Student membership subcommittee 2017
- Student competition judge
- Speaker
- Moderator

INTERNATIONAL ACTIVITIES

Australia

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.

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| 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	JSPS Fellow, Chiba University 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.

GRADUATE COMMITTEE ACTIVITIES

Ph.D. Chair/Co-Chair

Kornelia Fillmer	2021.	TBD.
Adrienne Smith	2015	An innovative strategy for invasive plant control: Restoration of stable native plant ecosystems using <i>Ruellia brittoniana</i> (Mexican petunia) invaded floodplain forests as a model system.
Niels Proctor	2014	Assessing and projecting the competitive advantage ornamental invasives have over natives in varying Florida conditions.
Carmen V.-Aracama	2005	Physiological and anatomical basis for differences in <i>in vitro</i> and <i>ex vitro</i> growth performance of sea oats (<i>Uniola paniculata</i> L.) genotypes.

Ph.D. Committee Member

- Anita Neal 2018 Distribution, biology, and management of *Myloccerus undecimpustulatus undatus* Marshall (Coleoptera: Curculionidae) in the landscape and horticulture industry in Florida.
- Sean Fromang 2012 Doctor of Plant Medicine
- Anne Frances 2008 Establishment and management of native wildflowers on Florida roadsides and former pastures.
- Lucy Treadwell 2006 Effects of simulated herbivory on the growth and reproductive capability of the invasive exotic shrub Brazilian peppertree, *Schinus terebinthifolius*.
- Marisa Zansler 2004 Florida's ornamental plant industry: A cross-section and time-series estimation of nursery profitability.

M.S. Chair/Co-Chair

- Carlee Steppe 2019 Conservation and biology of native wildflowers
- Andres Ochoa 2019 Germination ecology and seed desiccation tolerance of *Linum arenicola*, an endangered species from South Florida
- JianJian Xu 2018 Breeding novel forms of Caladium.
- Jerry Renick 2018 Propagation systems for nursery production.
- Kornelia Fillmer 2016 Sequencing of a Tobamovirus species.
- Joy Stanilka 2015 Competencies and critical thinking on and off campus.
- Alex Kroenke 2015 Lantana evaluation and germination.
- Kara Kruger 2013 National ornamental grass trialing.
- Kristin Wald 2013 Effects of silicon on marigold production.
- Adrienne Smith 2011 Effects of media composition on container production of native wildflowers.
- Alison Heather 2009 A study on propagation methods for two native wildflowers: *Polygonella polygama* and *Polygonella robusta*.
- Kari Ruder 2006 Propagation and production of *Dalea feayi*.
- Helen Danielson 2005 Production and performance of *Gaillardia* cultivars and ecotypes.
- Susan Blass 2005 Visual quality, flowering and consumer preference of new native and non-native cultivar releases.
- Emily Barnett 2004 Evaluating the spread and impacts of *Ruellia tweediana* in natural areas.

M.S. Committee Member

- Jonathan Jasinski 2012 Effect of meta-topolin on acclimatization of a wide range of sea oats genotypes
- Natalie Hooton 2011 Propagation and production of *Chrysopsis godfreyi* ecotypes.
- James Sadler 2013 Sea oats cryopreservation.
- Sean Fromang 2011 Toxicity of simazine and norflurazon on (*Lemna minor*) duckweed
- Rueben Koch 2011 Leaching of fipronil in Florida soils.
- Kristin Campbell 2010 Germination biology of the invasive *Lantana camara* and native *Lantana depressa*.

- Ed Skvarch 2007 Development and analysis of distance continuing education units for licensed pesticide application holders.
- Matt Moyer 2004 Plant growth regulation and breeding of phygelius.

PUBLICATIONS

Book

Davies, F.T., B.L. Geneve, and S.B. Wilson. 2018. Hartmann and Kester's Principles and Practices of Plant Propagation. 9th edition. Prentice Hall, Upper Saddle River, NJ.

Refereed Journal Articles

Fillmer, K., S.B. Wilson and G. Knox. 2017. Landscape performance and flowering of roses grown under low maintenance conditions in north and south Florida. HortTechnology. In preparation.

Stanilka, J., S.B. Wilson, and T. Irani. 2017. Graduate student perceived competencies on and off campus. NACTA J. In preparation.

Albano, J.A., P.C. Wilson, and S.B. Wilson. 2017. Irrigation water acidification to neutralize alkalinity for nursery crop production: Substrate pH, electrical conductivity, and nutrient concentrations; and plant nutrition and growth. HortScience. In press.

Bechtloff, A., C.Reinhardt-Adams, and S.B. Wilson. 2017. Alternatives to potentially invasive plant species for the horticultural industry in the southeast United States. J. Environmental Horticulture. In preparation.

Deng, Z., S.B. Wilson, X. Ying and D.M. Czarnecki II. 2017. Infertile *Lantana camara* cultivars 'UF-1011-2' and 'UF-1013A-2A'. HortScience 52:652-657.

Fetouh, M.I., A. Kareem, G.W. Knox, S.B. Wilson and Z. Deng. 2016. Induction, identification, and characterization of tetraploids in Japanese privet (*Ligustrum japonicum*). HortScience. 51:1371-1377.

Wilson, P.C., G. Gruber, Y. Lin, P. Kumar, D. Niebch and S. Wilson. 2016 Influence of three citrus herbicides on potential production of *Sorghum bicolor* 'Topper 76-6' as a bioenergy crop. Bull Environ. Contam. Toxicol. 97:639-645.

Smith, A.M., C. Reinhardt Adams, C. Wiese, and S.B. Wilson. 2016. Re-vegetation with native species does not control the invasive *Ruellia simplex* in a floodplain forest in Florida, USA. Applied Vegetation Science. 19:20-30.

Smith, A.M., S.B. Wilson, C. Reinhardt Adams, and C. Wiese. 2015. Germination of native species: Efforts to guide revegetation in a Mexican petunia-invaded floodplain in Florida, USA. Ecological Restoration. 33:237-241.

Freyre, R., S.B. Wilson, G.W. Knox, C. Uzdevenes, L. Gu, and K.H. Quensenberry. 2015. Breeding and genetic studies of *Ruellia simplex* (Mexican petunia). Eucarpia Symposium, Belgium. Acta Hort. 1087:113-120.

Smith, A.M., C. Reinhardt Adams, C. Wiese, and S.B. Wilson. 2015. Suppression of the ornamental invasive Mexican petunia (*Ruellia simplex*) by native species in a greenhouse study. Ecological Restoration. 33(2) 207-214.

Wilson, S.B., G.W. Knox, Z. Deng, K.L. Nolan, and J. Aldrich. 2014. Landscape performance and fruiting of nice heavenly bamboo selections grown in northern and southern Florida. HortScience. 49:706-713.

Irani, T., S.B. Wilson, D. Slough, and M. Rieger. 2014. Graduate student experiences on and off Campus: Social connectedness and perceived isolation. J. Distance Education. 27(2), online.

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 Plants Journal. 15:75-86.

Freyre, R. and S.B. Wilson. 2014. *Ruellia simplex* R10-105-Q54 ('Mayan Pink'). HortScience. 49:499-502.

Wilson, S.B., G.W. Knox, K.L. Nolan, and J. Aldrich. 2014. Landscape performance and fruiting of 12 privet selections grown in northern and southern Florida. HortTechnology. 24:148-155.

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-Rodriguez, 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.

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