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Education:

Doctor of Philosophy, 1990

Virginia Polytechnic Institute and State University, Blacksburg, VA, Horticulture
Specialization: plant physiology and plant genetics.

Dissertation title: *De novo* morphogenesis on tomato thin cell layers and variation for genetic recombination among plantlets regenerated from three tissue culture systems.

Master of Science, 1986

Southern Illinois University, Carbondale, IL, Plant and Soil Science.

Thesis Title: Stage I exudation, plant growth regulators and phenolic compounds alter the growth and development of tobacco callus.

Bachelor of Science, 1983

Southern Illinois University, Carbondale, IL, Plant and Soil Science.

Associate of Applied Science, 1981

Danville Area Community College, Danville, IL, Commercial Floriculture.

Post-Doctoral Education:

Postdoctoral Research Associate, 1990 to 1995.

Central Florida Research and Education Center, University of Florida, Institute of Food and Agricultural Sciences, 5336 University Ave., Leesburg, FL 34748, 6/90 - 7/95.

Administrative Leadership Experience:

Assistant Provost/Assistant Vice Chancellor – Branch Campus Operations, 1 June 2019 to present.

As assistant provost of operations, I provide leadership and support in new program implementation, for collaborative integration of the two-year campuses, provide college level administrative support and leadership for university and college searches where needed, provide leadership and engage in the development and implementation of relevant policies and procedure revision and implementation, engage in college strategic planning, assist in college and university budgeting and finance as well as facility planning and utilization, provide leadership and engage in the development and implementation of articulation agreements, assist in new freshmen and transfer student registration, active in

development (friend and fund raising) when relevant and engage in building and stewarding other external relationships, represent the college at relevant university committees or activities when needed as well as relevant external activities or events when needed, cover the college in the absence of the dean, and other duties as assigned.

Assistant Dean of Operations, College of Business, Life Science and Agriculture, 1 January 2018 to 31 May 2019.

As assistant dean of operations, I provide leadership and support in new program implementation, for collaborative integration of the two-year campuses, provide college level administrative support and leadership for university and college searches where needed, provide leadership and engage in the development and implementation of relevant policies and procedure revision and implementation, engage in college strategic planning, assist in college and university budgeting and finance as well as facility planning and utilization, provide leadership and engage in the development and implementation of articulation agreements, assist in new freshmen and transfer student registration, active in development (friend and fund raising) when relevant and engage in building and stewarding other external relationships, represent the college at relevant university committees or activities when needed as well as relevant external activities or events when needed, cover the college in the absence of the dean, and other duties as assigned.

Director, School of Agriculture, 1 July 2008 to 30 June 2017.

As director of the School of Agriculture, I supervised 35 to 40 faculty, academic staff, classified staff and limited term employees. Nine of the academic and classified staff work at Pioneer Farm, our 430-acre educational and research farm located about six miles southeast of Platteville. I also supervised two UW-Extension faculty with split appointments in our programs. The school is the home of six academic majors including agribusiness; agriculture education; animal science; environmental horticulture; reclamation, environment and conservation; and soil and crop science. We are also the home of a pre-professional program in veterinary medicine. As director, I was responsible for planning, designing and maintaining our facilities. These duties have given me expertise in budgetary, curricular and personnel management.

Internship Coordinator, School of Agriculture, 1 July 2006 to 30 September 2018.

As Internship Coordinator, I provide leadership for recruitment and correspondence with employers representing all agricultural disciplines. I also review and approve student internship requests, review and enforce internship requirements, assign faculty internship visits, and lead academic assessment of the internship program. *Note: over 100 undergraduate students annually participate in the School of Agriculture Internship Program.*

Program Director of Ornamental Horticulture, July 2000 – June 2005, and Environmental Horticulture July 2008 - present

As program director, I was responsible for curriculum development and developing semester teaching assignments. In addition, I provided leadership in the planning, design and maintenance of our academic and research laboratory facilities in Russell Hall, and locations at Pioneer Farm, Pioneer Greenhouse, and the Dottie John's Pioneer Gardens.

Program Director of Soil and Crop Science, 1 July 2005 – June 2008.

As program director, I supervised faculty and academic staff assigned to the ornamental horticulture, and soil and crop science programs. I was responsible for curriculum development and developing semester teaching assignments as well as planning, designing and maintaining our academic and research laboratory facilities in Russell Hall, and remote locations at Pioneer Farm, Pioneer Greenhouse, and the Dottie John's Pioneer Gardens.

Leadership Development Workshops

- LEAD 21: Leadership for the 21st Century. Workshops scheduled June 19 - 24, 2011 (Indianapolis, IN); October 3-6, 2011 (Kansas City, MO) and February 8-11, 2012 (Washington, DC).
- "Leading the Academic Department: A Leadership Program for Department Chairs", The American Council on Education, June 6-7, 2011, Middleton, WI.
- "Leadership Development Program for Department Chairpersons of the University of Wisconsin System," June 8, 2011, Middleton, WI.

State Leadership Appointments

- UW-System Dean's Consortium on Education, Research and Natural Resources (CERANR), July 2008 to June 2017.
- Wisconsin Agricultural Education & Workforce Development Council, July 2008 to present.

National Leadership Appointments

- Non-Land Grant Agriculture and Renewable Resources Universities (NARRU), Board of Directors, October 2012 to present; Chair Communications and Marketing Committee, October 2013 to October 2015; LEAD21 Liaison, October 2017 to present; Vice-President, October 2015 to October 2016; President, October 2016 to October 2017; Past-President, October 2017 to present.

Faculty Experience:

Professor, Environmental Horticulture and Plant Biotechnology, 1 July 2000 to present.

University of Wisconsin-Platteville, School of Agriculture, 1 University Plaza, Platteville, WI 53818, 8/95 - present.

Full Professor, 8/05 – present.

Associate Professor, 8/00 – 9/05; Tenured, 8/01.

Assistant Professor, 8/95 - 8/00.

As a full-time instructor, I taught 12 credit hours per semester. My research focused on the breeding and tissue culture propagation of orchids plus the use of manure solids from anaerobic digestion as an organic addendum for soil-less horticultural growing media. I advised over 150 undergraduate students and three student organizations. I was faculty supervisor for the Pioneer Greenhouse and Gardens Complex.

Teaching Effectiveness:

Teaching Interest and Specialties: horticulture, plant tissue culture and biotechnology, vegetable science, plant breeding and genetics, greenhouse management, landscape management, plant identification, and interior plants (*Indicates courses taught while serving as a graduate teaching assistant).

Courses Taught

University of Wisconsin-Platteville:

Undergraduate Courses:

- AGRIC 4000 – Agriculture Internships Seminar, 9/17 – present.
- AGSCI 1240 – The Plant/Soil Environment, 9/07 – 5/08; 9/13 – 5/14.
- AGSCI 1260 – Crop Science, 9/06 - 12/06.
- AGSCI 1320 - Introduction to Ornamental Horticulture, 9/95 – 12/05.
- AGSCI 3210 - Identification of Landscape Plants, 9/97- 12/06.
- AGSCI 3220/5220 – Plant Development & Biotechnology (Plant Tissue Culture 1/97-5/05) 1/97-5/12.
- AGSCI 3300/5300 - Fruit and Vegetable Production, 1/96 - 5/04.
- AGSCI 3310 – Seminar in Soils, Crops and Ornamental Horticulture, 1/06 – 5/07; 9/12-12/12.
- AGSCI 3320/5320 - Landscape Management, 9/95 - 12/98; 8/02 - 12/05; 9-08 - 12/08.
- AGSCI 3360/5360 - Greenhouse Operation and Management, 1/96 – 5/13.
- AGSCI 4240/6240 – Plant Breeding, 1/06 – 5/06; 9/10- 12/12.
- AGSCI 4260/6260 - Interior Plants, 9/99 – 12/12.
- AGSCI 4340/6340 - Plant Physiology, 9/95 – 5/08.
- ENVHORT 1320 – Introduction to Environmental Horticulture, 8/2014 – present.
- ENVHORT 3360 – Greenhouse Operation and Management, 1/2015 – present.

Independent Study and Internship Supervisory Courses:

- AGSCI 3370 – Undergraduate Research in Ornamental Horticulture, 9/97 - present.
- AGSCI 3390 - Special Problems in Crops, 9/95 - 12/95.
- AGSCI 3400 - Special Topics in Ornamental Horticulture, 1/96 - present.
- AGINDUS 4580 - Agribusiness Internship, 6/96 – 9.14, Coordinator 6/06 – 9/14.
- ENVHORT 3370 – Undergraduate Research in Environmental Horticulture, 9/14 - present.
- ENVHORT 3400 - Special Topics in Environmental Horticulture, 9/14 - present.
- ENVHORT 3750 (Formerly ENVHORT 4580) – Environmental Horticulture Internship, 9/14 – present.

Graduate Courses:

- AGINDUS 7000 - Research Procedures, 9/96 - 12/97.

Southern Illinois University:

- Survival of Man*, 8/84 - 5/85.

Virginia Polytechnic Institute and State University:

Undergraduate Courses:

- Indoor Plants*, 8/87 - 12/89.

Graduate Courses:

- Plant Tissue Culture*, 1/89 - 5/89.
- Genetics and Breeding of Horticultural Crops*, 1/88 - 5/88.

Curriculum Assessment Tools Developed:

- General education assessment survey, with Dr. Shane Drefcinski, 2005.
- Developed Ornamental Horticulture Program assessment tools, including senior exit survey, internship employer survey and student intern survey, 2004.
- Oversee implementation of Ornamental Horticulture Program assessment, 2004-present.

Invited Lectures:

International

CAH, Dronten, The Netherlands (November 25- December 1, 2006).

- Alternative Sources of Energy for Controlled Environment Horticulture.
- Use of Tissue Culture and Biotechnology for Plant Improvement.

Teaching-related Honors and Awards:

- Recipient of the Phi Kappa Phi Excellence in Teaching Award, 2017.
- Wisconsin FFA Honorary Service Degree, 2010.
- Recipient of the Outstanding Advising Certificate of Merit, National Academic Advising Association (NACADA), 2006.
- Wisconsin Teaching Scholar, UW-System, Office of Professional and Instructional Development, 7/2006-6/2007.
- Who's Who among American Teachers, 2005.
- Recipient of the BILSA Outstanding Academic Advisor Award, 2005.
- Recipient of an Influential Educator Award, UWP School of Education, 2004.
- Nominated for the BILSA Outstanding Academic Advisor Award, 2004.
- Recipient of the American Association of State Colleges of Agriculture and Renewable Resources (AASCARR) Outstanding Teacher Award, 2003.
- Nominated for the BILSA Outstanding Academic Advisor Award, 2003.
- Recipient of the Teaching Award of Merit, National Association of Colleges and Teachers of Agriculture, 2002.
- Recipient of the Thomas and Lee Ann Lindahl Teaching Excellence Award, 2002.
- Nominated for the BILSA Outstanding Academic Advisor Award, 2002.
- Wisconsin Teaching Fellow, 2001-2002.
- School of Agriculture Outstanding Faculty Member, 2001.
- Nominated for the UW-System Regents Teaching Excellence Award, 2001.
- Nominated for the BILSA Outstanding Academic Advisor Award, 2001.
- Recipient of the Wisconsin Power and Light Underkolfer Excellence in Teaching Award, 1999.

Teaching-Related Grants Received:

United States Department of Agriculture USDA-CSREES Challenge Grants Program:

- Developing Ornamental Horticulture Curricula at UW-Platteville. **ME Compton** and SG Price, \$120,609, 1998 - 2000.

National Institute of Food and Agriculture, Capacity Building Grants for Non Land Grant Colleges of Agriculture (NLGCA) Program:

- Academia and Agricultural Leaders Partnering to Improve our Capacity to Develop a Well-Educated and Sustainable Workforce for Agriculture. **ME Compton** (UW-Platteville), Allan Herrman (Wisconsin Agriculture Education and Workforce Development Council) and Deb Ihm (Southwest Technical College), \$749,561 (pending).

University of Wisconsin-Platteville

Curricular Improvement Fund:

- Assessing Learning of Undergraduate Horticulture Students Participating in an Experiential Service-Learning Project. **ME Compton**, \$17,526, 7/03-6/04.

Foundation Opportunity Grants Program:

- Promoting Ornamental Horticulture at UW-Platteville by Hosting the 2008 National Collegiate Floral Crop Quality Evaluation and Design Competition., **ME Compton**, \$4,470, 2008.
- Development of the UW-Platteville Ornamental Horticulture Gardens. M Molesworth and **ME Compton**, \$3,500, 2003.
- Recruitment Effort for Ornamental Horticulture; Reclamation, Environment and Conservation; and Soil & Crop Science Programs. J McDermott, **ME Compton**, T Hunt and R Higgs, \$1,050, 2003.
- Promoting Ornamental Horticulture through Partnerships. **ME Compton** and SA Curtis, \$30,948, 2001.

Laboratory Modernization Grants Program

- Laboratory modernization proposal for pioneer greenhouse: workstations, greenhouse benches, hydroponic equipment and a refrigerated cooler, **ME Compton**, \$19,000, 2005.

Special Funds from the Chancellor's Office:

- A Proposal for the Assessment and Planning of a New Greenhouse Complex on the UW-P Campus. **ME Compton**, \$9,187.00, 1998

University of Wisconsin Extension:

Southern District Innovative Grants Program:

- Addressing County UWEX Horticulture Needs through County Activities. T Bay and **ME Compton**, \$3,000, 2000.
- Addressing County UWEX Horticulture Needs through Experiential Learning. SA Curtis and **ME Compton**, \$3,000, 2000.

University of Wisconsin System:

Small Projects Facilities Renovation Program:

- Renovation of Pioneer Greenhouse. **ME Compton** and PJ Nemmetz, \$150,000, 2009 - 2010.

State of Wisconsin Elementary and Secondary Education:

Elementary and Secondary Education Act (ESEA) Title II Higher Education Professional Development Program - Wisconsin Improving Teacher Quality Grant:

- Sow, Grow and Learn, Teacher Education Partnership with Westin High School. K. Stinson and **M.E. Compton**, \$21,503. 2012-2013.

Teaching-Related Workshops / Training Seminars Attended:

- Assessment in Higher Education: Useful, Sensible, Feasible, and Acceptable to Accreditors, Barbara Walvoord Presenter, Faculty Development Workshop, UW-Green Bay, 1/14.
- Making the Grading Process Fair, Time-Efficient, and Useful for Learning in Your Classroom, and Using Grading Work for Departmental and General-Education Assessment, Barbara Walvoord Presenter, Faculty Development Workshop, UW-Green Bay, 1/14.

- UW-System Faculty College, Office of Professional and Instructional Development (OPID), University of Wisconsin-System, Richland Center, WI, 3/07.
- UW-System Faculty College, Office of Professional and Instructional Development (OPID), University of Wisconsin-System, Richland Center, WI, 6/06.
- Plant Molecular Genetics and Genomics, Presented by the Dolan DNA Learning Center, Cold Spring Harbor Laboratory, Univ. of Wisconsin, Madison, WI, 8/04.
- The Scholarship of Teaching. Office of Professional and Instructional Development (OPID), University of Wisconsin-System, Madison, WI, 11/01.
- Conflict: It May Not be Fun - It Can be an Opportunity to Grow. University of Wisconsin-Platteville College of Business, Industry, Life Science and Agriculture, University of Wisconsin-Platteville, 8/01.
- Case Method Teaching. UW-System Faculty College, UW-Richland Center, 6/01.
- Teaching with Style Track II: Enhancing Learning by Understanding Teaching and Learning Styles in Technology-Driven Courses. UW-System Faculty College, UW-Richland Center, 6/01.
- Advancing the Practice of Teaching through Scholarship. Office of Professional and Instructional Development (OPID), University of Wisconsin-System, Madison, WI, 3/01.
- Enhancing Your Class with Web Utilities. Teaching Excellence Center, University of Wisconsin-Platteville, 8/00.
- The IDEA Student Ratings of Instruction System. College of Business, Industry, Life Science and Agriculture In-service, University of Wisconsin-Platteville, 8/00.
- A Case for Cases. Teaching Excellence Center, University of Wisconsin-Platteville, 1/00.
- Writing Across the Curriculum. Teaching Excellence Center, University of Wisconsin-Platteville, 1/00.
- The Message Heard, the Message Sent: Capturing the Other 93%. Catherine M. Lindsay, Teaching Excellence Center, University of Wisconsin-Platteville, 8/99.
- Time Management Seminar. Dr. John M. Mazingo, College of Business, Industry, Life Science and Agriculture In-service, University of Wisconsin-Platteville, 1/99.
- Faculty Development Seminar, Critical Thinking. Teaching Excellence Center, University of Wisconsin-Platteville, 1/99.
- Conflict Resolution and Confrontation Skills. CareerTrack7, Holiday Inn, Dubuque, IA, 1/99.
- Attended the 12th Annual Conference on Distance Teaching & Learning, Madison, WI, 8/96.
- Teaching Portfolios: Process & Document. Teaching Excellence Center, UW-Platteville, Platteville, WI, 8/96.

Scholarly and Professional Activities:

Research:

Interests and Specialties: breeding and tissue culture propagation projects of orchids (*Cypripedium*, *Paphiopedilum* and *Phragmipedium*) and other ornamental species plus use of manure solids from anaerobic digestion as an organic addendum in soil-less horticultural growing media as an alternative to using sphagnum moss peat.

Pioneer Undergraduate Research Fellowships (University of Wisconsin-Platteville):

- Somatic Embryogenesis and Protoplast Fusion in Bentgrass and Bermudagrass, I. Prust and **ME Compton**, \$500, 2003-2004.

- Non-zygotic Embryogenesis in Norfolk Island Pine. L Dreckman and **ME Compton**, \$500, 2001-2002.
- Feasibility of hydroponic herb production in the UW-P greenhouse. J Schulz and M E Compton, \$500, 1999-2000.
- Effects of Polyethylene Glycol (PEG) and Desiccation on the Development and Germination of Grape Somatic Embryos. F Westphal and **ME Compton**, \$500, 1997-1998.
- Identification of tetraploid regenerants from cotyledons of early-maturing diploid watermelon cultured in vitro. J M Jaworski and **ME Compton**, \$500, 1996-1997.

Research-related Grants Received

Professional Development Grants (University of Wisconsin-Platteville):

- Competence for *in vitro* bulblet regeneration among eight *Lilium* genotypes, \$880.00, 2002.

Scholarly Activity Improvement Fund (University of Wisconsin-Platteville):

- Development of Tetraploid Male Sterile Breeding Lines of Watermelon. \$4,000, 1997-1998.
- Development of Dwarf Tetraploid Breeding Lines of Watermelon, \$4,000, 2001-2002.

University of Wisconsin-System Grants

Office of Professional and Instructional Development:

- Promoting the Scholarship of Teaching and Learning at UW-Platteville. T Lo Guidice, **ME Compton**, S Kleiseth, E Ofulue & S Curtis, 2003, \$1,275

WiSys Technology Foundation:

- Development of a Soil-less Growing Medium for North American Lady Slipper Orchids (*Cypripedium reginae* and *Cyp. parviflorum* var. *pubescens*). TH Zauche and **ME Compton**, \$10,000, 2005.
- Development of Organic Certified Growing Medium. TH Zauche and **ME Compton**, \$2,500, 2006.

Virginia Polytechnic Institute and State University

Graduate Student Association:

- In Vitro Floral Bud Morphogenesis on Tomato Thin Cell Layers. **ME Compton** and RE Veilleux, \$500.00, 1988 - 1989.

Research-related Honors and Awards:

- Recipient of the WiSys Innovation Scholar Award, Wisconsin Technology Foundation, University of Wisconsin-System, 2006.
- Recipient of the Abughalous Award for Excellence in Scholarly Research, University of Wisconsin-Platteville, 2004.
- Marquis Who's Who in Science and Engineering, 1996.

Contributions and Donations for Pioneer Gardens and Academic Endeavors:

Contributions for Development of Pioneer Gardens (worked with UWP Advancement - Denee Hirsh, Jackie Bevans, Derek Dachelet, and Kelly Myers):

- In-kind donation from Moyer Landscaping, LLC for planning, materials and installation of the Childrens Garden, \$60,000, 2011-2014.

- In-kind donation from The Bruce Company, Inc. for construction of a pondless water feature in the woodland and shade garden, \$75,000, 2010-2011.
- Endowment pledge for the naming of Pioneer Gardens, \$500,000, 2008.
- Endowment pledge for Rose Garden in Pioneer Gardens, \$15,000, 2008.
- In-Kind donation of trees and Shrubs for Pioneer Gardens, The Bruce Company, Middleton, WI, \$15,000 value, 2008 (additional \$5,000 pledge for each of 2009 and 2010).
- Peonies from Klehm Song Sparrow Nursery, \$100, 2006.
- In-Kind contribution of trees and shrubs for Pioneer Gardens, McKay Nursery, Waterloo, WI, value \$2,000, 2005.
- In-Kind contribution of shrubs for Pioneer Gardens, Meyer Landscape & Design, Inc., Moline, IL, value \$500, 2005.
- In-Kind contribution of bulbs for Pioneer Gardens, Steve's Ace Home Garden Center, Dubuque, IA, value \$405, 2005.
- Received in-kind donation of Peonies from Klehm Song Sparrow Nursery, \$250, 2005.
- Endowment pledge for Woodland and Shade Garden - \$65,000, 6/04.
- Endowment pledge for Full Sun Garden - \$20,000, 12/03 & 12/04.
- Endowment pledge for Iris Collection - \$10,000, 12/02.

Contributions for Academic Endeavors:

- In-Kind contribution of trees for Pioneer Farm Swine Center, McKay Nursery, Waterloo, WI, value \$300, 2004.
- In-Kind donation of orchids for greenhouse collection, Gloria and Gordon Coursen, Galena, IL, value \$3,683, 2004.
- In-Kind donation of orchids for cloning research, Ratcliffe Orchids, Kissimmee, FL, value \$285, 2003.
- In-Kind donation of orchids for cloning research, Flasks by Chuck Acker, Waunakee, WI, value \$825, 2003.

Invention Disclosures and Patents:

- TH Zauche and ME Compton. 2010. Horticultural growing media. US Utility Patent #7726069.
- ME Compton. 2008. Greenhouse Management Business Simulator, Invention Disclosure, WiSys Technology Foundation, Inc.
- TH Zauche and ME Compton. 2006. Horticultural growing media, US Utility Patent Application T05022US.
- TH Zauche and ME Compton. 2005. Use of manure digester products as an organic addendum to horticultural growing media, invention disclosure, WiSys Technology Foundation, Inc., Disclosure to WySis Technology Foundation.

Publications:

Chapters in Professional Books:

1. Preece, J.E. and M.E. **Compton**. 1991. Problems with explant exudation in micropropagation. p. 168-189. In: Bajaj, Y.P.S. (ed.). *Biotechnology in Agriculture and Forestry*, Vol. 17. High-Tech and Micropropagation I. Springer-Verlag, Berlin.

2. Gray, D.J. and M.E. **Compton**. 1993. Grape somatic embryo dormancy and quiescence: potential of dehydrated synthetic seeds for germplasm conservation. p. 367-379. In: Redenbaugh, K. (ed.). *SynSeeds: Application of Synthetic Seeds to Crop Improvement*. CRC Press, Boca Raton, Fla.
3. Gray, D.J., M.E. **Compton**, R.C. Harrell and D.J. Cantliffe. 1995. Somatic embryogenesis and the technology of synthetic seed. p. 126-151. In: Bajaj, Y.P.S. (ed.). *Biotechnology in Agriculture and Forestry, Vol. 30. Somatic Embryogenesis and Synthetic Seed I*. Springer-Verlag, Berlin.
4. **Compton**, M.E. 1996. Statistical analysis of plant tissue culture data. P. 47-57. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises*. CRC Press, Boca Raton, Fla.
5. **Compton**, M.E. and D.J. Gray. 1996. Shoot organogenesis from watermelon cotyledon explants. P. 113-117. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises*. CRC Press, Boca Raton, Fla.
6. **Compton**, M.E., J.A. Saunders, and R.E. Veilleux. 1996. Use of protoplasts for plant improvement. P. 201-214. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises*. CRC Press, Boca Raton, Fla.
7. Gray, D.J., E. Hiebert, C.M. Lin, M.E. **Compton**, and V.P. Gaba. 1996. Construction and use of a simple gene gun for particle bombardment. P. 283-290. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises*. CRC Press, Boca Raton, Fla.
8. Veilleux, R.E. and M.E. **Compton**. 1996. Isolation, culture and fusion of tobacco and potato protoplasts. P. 215-226. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises*. CRC Press, Boca Raton, Fla.
9. **Compton**, M.E. 1999. Statistical analysis of plant tissue culture data. p. 61-74. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises, second edition*. CRC Press, Boca Raton, Fla.
10. **Compton**, M.E. and D.J. Gray. 1999. Shoot organogenesis from watermelon cotyledon explants. p. 149-158. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises, second edition*. CRC Press, Boca Raton, Fla.
11. **Compton**, M.E., J.A. Saunders, and R.E. Veilleux. 1999. Use of protoplasts for plant improvement. p. 249-262. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises, second edition*. CRC Press, Boca Raton, Fla.
12. Veilleux, R.E. and M.E. **Compton**. 1999. Isolation, culture and fusion of tobacco and potato protoplasts. p. 263-276. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises, second edition*. CRC Press, Boca Raton, Fla.
13. Gray, D.J., E. Hiebert, C.M. Lin, M.E. **Compton**, and V.P. Gaba. 1999. Construction and use of a simple gene gun for particle bombardment. p. 329-336. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Tissue Culture Concepts and Laboratory Exercises*. CRC Press, Boca Raton, Fla.
14. **Compton**, M.E., D.J. Gray and V.P. Gaba. 2004. Genetic transformation of watermelon. p. 425-434. In: I.S. Curtis (ed). *Transgenic Crops of the World - Essential Protocols*. Kluwer Academic Publishers, The Netherlands.
15. **Compton**, M.E. 2005. Elements of *in vitro* Research. p. 55-72. In: Trigliano, R.N. and D.J. Gray (eds.). *Plant Development and Biotechnology*. CRC Press, Boca Raton, Fla.

16. Gray, D.J., E. Hiebert, C.M. Lin, M.E. **Compton**, and V.P. Gaba. 2005. Construction and use of a simple gene gun for particle bombardment. p. 265-272. In: Trigiano, R.N. and D.J. Gray (eds.). *Plant Development and Biotechnology*. CRC Press, Boca Raton, Fla.
17. Veilleux, R.E., M.E. **Compton** and J.A. Saunders. 2005. Use of protoplasts for plant improvement. p. 213-224. In: Trigiano, R.N. and D.J. Gray (eds.). *Plant Development and Biotechnology*. CRC Press, Boca Raton, Fla.
18. **Compton**, M.E. 2006. Use of statistics in plant biotechnology. pp. 147-165. In: Loyola-Vargas, V.M. and F. Vázquez-Flota (eds.). *Plant Cell Protocols, Second Edition*. The Humana Press, Inc., Totowa, N.J.
19. **Compton**, M.E. 2008. Evaluation of data from asexual propagation experiments. p. 127-140. In: R. Trigiano and C. Beyl (eds.), *Plant Propagation: Concepts and Laboratory Exercises*. CRC Press, Boca Raton, FL.
20. **Compton**, M.E. 2010. Elements of in vitro research. p. 57-73. In: Trigiano, R.N. and D.J. Gray (eds.). *Plant Cell Culture, Development and Biotechnology*. CRC Press, Boca Raton, Fla.
21. Veilleux, R.E. and M.E. **Compton**. 2010. Isolation, culture and fusion of tobacco and potato protoplasts. p. 373-384. In: Trigiano, R.N. and D.J. Gray (eds.). *Plant Cell Culture, Development and Biotechnology*. CRC Press, Boca Raton, Fla.
22. **Compton**, M.E. 2012. Use of statistics in plant biotechnology. p. 109-127. In: Loyola-Vargas, V.M. and N. Ochoa-Alejo (eds.). *Plant Cell Protocols, Third Edition*. The Humana Press, Inc., Totowa, N.J.
23. **Compton**, M.E. 2015. Evaluation of data from asexual propagation experiments. pp. 203-216. In: C.A. Beyl and R.N. Trigiano and (eds.), *Plant Propagation: Concepts and Laboratory Exercises, Second Edition*. CRC Press, Boca Raton, FL.

Publications in Professional Journals and Extension:

1. **Compton**, M.E. and J.E. Preece. 1987. Exudation and explant establishment. *International Association of Plant Tissue Culture Newsletter* 50:9-18.
2. **Compton**, M.E. and J.E. Preece. 1988. Effects of phenolic compounds on tobacco callus and blackberry shoot cultures. *Journal of the American Society for Horticultural Science* 113:160-163.
3. **Compton**, M.E. and J.E. Preece. 1988. Response of tobacco callus to shoot tip exudation from five species. *HortScience* 23:208-210.
4. **Compton**, M.E. and R.E. Veilleux. 1991. Variation for genetic recombination among tomato plants regenerated from three tissue culture systems. *Genome* 34:810-817.
5. **Compton**, M.E. and R.E. Veilleux. 1991. Shoot, root and flower morphogenesis on tomato inflorescence explants. *Plant Cell, Tissue and Organ Culture* 24:223-231.
6. **Compton**, M.E. and R.E. Veilleux. 1992. Thin cell layer morphogenesis. *Horticultural Reviews* 14:239-264.
7. **Compton**, M.E. and D.J. Gray. 1992. Micropropagation as a means of rapidly propagating triploid and tetraploid watermelon. *Proceedings of the Florida State Horticultural Society* 105:352-354.

8. **Compton**, M.E., C.M. Benton, D.J. Gray and D.D. Songstad. 1992. Plant recovery from maize somatic embryos subjected to controlled relative humidity dehydration. *In Vitro Cellular & Developmental Biology-Plant* 28P:197-201.
9. **Compton**, M.E. and D.J. Gray. 1993. Somatic embryogenesis and plant regeneration from immature cotyledons of watermelon. *Plant Cell Reports* 12:61-65.
10. **Compton**, M.E. and D.J. Gray. 1993. Shoot organogenesis and plant regeneration from cotyledons of diploid, triploid and tetraploid watermelon. *Journal of the American Society for Horticultural Science* 118:151-157.
11. **Compton**, M.E., D.J. Gray and G.W. Elmstrom. 1993. A simple protocol for micropropagating diploid and tetraploid watermelon using shoot-tip explants. *Plant Cell, Tissue and Organ Culture* 33:211-217.
12. **Compton**, M.E. and D.J. Gray. 1993. Sucrose, abscisic acid and methylglyoxal bis- (guanylhydrazone) affect grape somatic embryogenesis. *Proceedings of the Florida State Horticultural Society* 106:124-128.
13. Gray, D.J., D.W. McColley and M.E. **Compton**. 1993. High-frequency somatic embryogenesis from quiescent seed cotyledons of *Cucumis melo* cultivars. *Journal of the American Society for Horticultural Science* 118:425-432.
14. **Compton**, M.E. 1994. Statistical methods suitable for the analysis of plant tissue culture data. *Plant Cell, Tissue and Organ Culture* 37:217-242.
15. **Compton**, M.E. and D.J. Gray. 1994. Adventitious shoot organogenesis and plant regeneration from cotyledons of tetraploid watermelon. *HortScience* 29:211-213.
16. **Compton**, M.E. and D.J. Gray. 1994. Micropropagation of 'Southern Home' hybrid grape. *Proceedings of the Florida State Horticultural Society* 107:308-310.
17. **Compton**, M.E., D.J. Gray and G.W. Elmstrom. 1994. Regeneration of tetraploid plants from cotyledons of diploid watermelon. *Proceedings of the Florida State Horticultural Society* 107:107-109.
18. Gray, D.J., E. Hiebert, C.M. Lin, M.E. **Compton**, D.W. McColley, R.J. Harrison and V.P. Gaba. 1994. Simplified construction and performance of a device for particle bombardment. *Plant Cell, Tissue and Organ Culture* 37:179-184.
19. Gray, D.J., M.E. **Compton**, E. Hiebert, C.M. Lin, K.T. Kelley, D.W. McColley and V.P. Gaba. 1995. Use of in vitro methods and genetic transformation to expedite the development of seedless watermelon and muskmelons. *Proc. Symp. on Biotech. at 1890 Institutes. Florida A&M University.*
20. **Compton**, M.E., D.J. Gray and G.W. Elmstrom. 1996. Identification of tetraploid regenerants from cotyledons of diploid watermelon cultured *in vitro*. *Euphytica* 87:165-172.
21. **Compton**, M.E. and D.J. Gray. 1996. Effects of sucrose and methylglyoxal Bis-(guanylhydrazone) on controlling grape embryogenesis. *Vitis* 35:1-6.
22. **Compton**, M.E. 1999. Dark pretreatment improves adventitious shoot organogenesis from cotyledons of diploid watermelon. *Plant Cell Tissue and Organ Culture* 58:185-188.
23. **Compton**, M.E. and C.W. Mize. 1999. Statistical considerations for in vitro research: I - Birth of an idea to collecting data. *In Vitro Cellular & Developmental Biology - Plant* 35:115-121.

24. **Compton, M.E.**, N. Barnett and D.J. Gray. 1999. Use of Fluorescein Diacetate (FDA) to Determine Ploidy of *in Vitro* Watermelon Shoots. *Plant Cell Tissue and Organ Culture* 58:199-203.
25. Mize, C.W., K. Koehler and M.E. **Compton**. 1999. Statistical considerations for in vitro research: II - Data to presentation. *In Vitro Cellular & Developmental Biology - Plant* 35:122-126.
26. **Compton, M.E.** 2000. Interaction between Explant Size and Cultivar Impacts Shoot Organogenic Competence of Watermelon Cotyledons. *HortScience* 35:749-750.
27. **Compton, M.E.** 2000. Determining the ploidy of in vitro-cultured watermelon shoots. *Agricell Report* 35:35.
28. **Compton, M.E.** and J.M. Koch. 2001. Influence of plant preservative mixture (ppm) on adventitious organogenesis in melon, petunia and tobacco. *In Vitro Cellular & Developmental Biology-Plant* 37:259-261.
29. **Compton, M.E.**, B.L. Pierson and J.E. Staub. 2001. Micropropagation for Recovery of *Cucumis hystrix*. *Plant Cell Tissue and Organ Culture* 64:63-67.
30. **Compton, M.E.** and J.M. Koch. 2001. Use of PPM to control microbial contamination. *Agricell Report* 36:41-42; 37:11; 36:21.
31. **Compton, M.E.** 2002. Results of a Horticulture Survey Conducted at High Schools in Illinois, Iowa, Minnesota and Wisconsin. *NACTA Journal* 46:44-49.
32. **Compton, M.E.** 2004. Development of an Internet-based study guide to help students identify interior plant species. *Acta Horticulturae (ISHS)* 634:255-260.
33. **Compton, M.E.**, D.J. Gray and V.P Gaba. 2004. Use of tissue culture and biotechnology for the genetic improvement of watermelon. *Plant Cell Tissue and Organ Culture* 77:231-243.
34. Bahr, L.R. and **M.E. Compton**. 2004. Competence for in vitro bulblet regeneration among eight *Lilium* genotypes. *HortScience* 39:127-129.
35. Dhekney, S.A., Z. T. Li, **M.E. Compton** and D.J. Gray. 2009. Optimizing initiation and maintenance of *Vitis* embryogenic cultures. *HortScience* 44:1400-1406.
36. **Compton, M.E.** and T.H. Zauche. 2018. Growth of Showy and Yellow Lady Slipper Orchids in Soilless Media Containing Anaerobically Digested Dairy Fiber. *HortTechnology* 28: (Submitted for Publication).

Miscellaneous Publications:

1. **Compton, M.E.** 2002. UWP Moves into New Greenhouse Facility. 2001 - 2002 University of Wisconsin-Platteville Annual Report.

Book Reviews:

1. **Compton, M.E.** *Plant Tissue Culture: Techniques and Experiments*. R.H. Smith (author), Academic Press, San Diego, CA. 171 pp. In: *HortScience* 28:244; 1993.
2. **Compton, M.E.** *Horticulture: Principles and Practices*. G. Acquaah (author), Prentice Hall, Upper Saddle River, NJ 07458. Review conducted for Prentice Hall; 2000.
3. **Compton, M.E.** *Plant Propagation: Concepts and Laboratory Exercises*. J.E. Preece, C. Beyl and R. Trigiano (authors), CRC Press, Boca Raton, FL. Reviewed the concept outline of this prospectus for CRC Press; 2003.

4. **Compton, M.E.** Plant Tissue Culture Concepts and Laboratory Exercises, Second Edition. R. Trigiano & D.J. Gray (authors), CRC Press, Boca Raton, FL. Reviewed conducted for CRC Press; 2007.

Published Abstracts:

1. **Compton, M.E.** and J.E. Preece. 1986. Effects of stage I exudation of 5 species on growth of tobacco callus on various media. HortScience 21:716 (Abstr).
2. **Compton, M.E.** and R.E. Veilleux. 1988. Morphogenesis in tomato thin cell layers. HortScience 23:98 (Abstr).
3. **Compton, M.E.** and R.E. Veilleux. 1989. *De novo* shoot organogenesis on tomato thin cell layers. HortScience 24:137 (Abstr).
4. **Compton, M.E.** and R.E. Veilleux. 1990. Variation for genetic recombination among tomato plants regenerated from three tissue culture systems. HortScience 25:164 (Abstr).
5. **Compton, M.E.** and D.J. Gray. 1991. Somatic embryogenesis and plant regeneration from immature cotyledons of watermelon. HortScience 26:110 (Abstr).
6. **Compton, M.E.** and D.J. Gray. 1991. Shoot organogenesis on cotyledons of watermelon. HortScience 26:156 (Abstr).
7. **Compton, M.E.** and D.J. Gray. 1992. Somatic embryogenesis on immature cotyledons of watermelon. In Vitro Cellular & Developmental Biology 28:98A (Abstr).
8. Gray, D.J., D.W. McColley and M.E. **Compton**. 1992. Effects of cytokinins, genotype and other factors on somatic embryogenesis from cotyledons of *Cucumis melo*. In Vitro Cellular & Developmental Biology 28:101A (Abstr).
9. **Compton, M.E.**, D.W. McColley and D.J. Gray. 1993. Transient expression of the β -glucuronidase gene in cotyledons of muskmelon and watermelon following particle bombardment. In Vitro Cellular & Developmental Biology 29A:66 (Abstr).
10. **Compton, M.E.**, D.J. Gray, E. Hiebert and C.M. Lin. 1993. Expression of the β -glucuronidase gene in watermelon cotyledon explants following particle bombardment or infection with *Agrobacterium tumefaciens*. HortScience 28:138 (Abstr).
11. Gray, D. and M. **Compton**. 1993. Use of somatic embryos as synthetic seeds for reducing Micropropagation costs. HortScience 28:155 (Abstr).
12. Gray, D.J. and M.E. **Compton**. 1993. Use of synthetic seed technology and other nonconventional propagation methods. HortScience 28:133 (Abstr).
13. Gray, D.J., D.D. Songstad and M.E. **Compton**. 1993. Expression of GUS in bombarded grape somatic embryos and cells. In Vitro Cellular & Developmental Biology 29A:65 (Abstr).
14. Gray, D.J., E. Hiebert, M.E. **Compton**, C.M. Lin and D.W. McColley. 1993. Simplified construction and performance of a device for particle bombardment. HortScience 28:138 (Abstr).
15. **Compton, M.E.**, D.J. Gray and G.W. Elmstrom. 1994. The identification of tetraploid regenerants from cotyledons of diploid watermelon and their use in breeding triploid hybrids. HortScience 29:450 (Abstr).

16. **Compton**, M.E., D.J. Gray, E. Hiebert and C.M. Lin. 1994. Microprojectile bombardment prior to co-cultivation with *Agrobacterium* improves GUS expression in watermelon cotyledons. *In Vitro Cellular & Developmental Biology* 30A:62 (Abstr).
17. **Compton**, M.E., J.W. Harris and D.J. Gray. 1995. A simple method for estimating ploidy of in vitro watermelon plantlets. *HortScience* 30:752 (Abstr).
18. Gray, D.J., E. Hiebert, C.M. Lin, K.T. Kelley, M.E. **Compton** and V.P. Gaba. 1995. Transformed progeny via particle bombardment of embryogenic *Cucumis melo* 'Eden Gem' cotyledons. *In Vitro Cellular & Developmental Biology* 31A:49 (Abstr).
19. Gray, D.J., E. Hiebert, C.M. Lin, K.T. Kelley, M.E. **Compton** and V.P. Gaba. 1995. Comparison of methods to transform embryogenic cotyledons of melon. *HortScience* 30:788 (Abstr).
20. Gray, D.J., M.E. **Compton**, E. Hiebert, C.M. Lin, K.T. Kelley, D.W. McColley and V.P. Gaba. 1995. Use of in vitro methods and genetic transformation to expedite the development of seedless watermelon and muskmelons. Symposium on Biotechnology at 1890 Institutes. Florida A&M University, Tallahassee, FL.
21. **Compton**, M.E., D.J. Gray and D.N. Maynard. 1996. Use of tetraploid somaclones in breeding seedless watermelons. *In Vitro Cellular & Developmental Biology* 32A:28 (Abstr).
22. Gray, D.J., V.P. Gaba, E. Hiebert, C.M. Lin, K.T. Kelley and M.E. **Compton**. 1996. Transgenic *Cucumis melo* plants via particle wounding and *Agrobacterium*-mediated transformation of embryonic shoot apices. *In Vitro Cellular & Developmental Biology* 32A:32 (Abstr).
23. **Compton**, M.E. 1997. Influence of seedling pretreatment and explant type on watermelon shoot organogenesis. *HortScience* 32:514 (Abstr).
24. Jaworski, J.M. and M.E. **Compton**. 1997. Plant regeneration from cotyledons of five watermelon cultivars. *HortScience* 32:469 (Abstr).
25. **Compton**, M.E. 1998. A revised protocol for shoot organogenesis from watermelon cotyledons. *In Vitro Cellular & Developmental Biology* 34:45-A (Abstr).
26. **Compton**, M.E. 1998. Experimental designs and data analysis for *in vitro* research. *In Vitro Cellular & Developmental Biology* 34: 20-A (Abstr).
27. Westphal, F.K. and M.E. **Compton**. 1998. Effects of polyethylene glycol on development of grape (*Vitis vinifera* L. 'Thompson Seedless') somatic embryos. *HortScience* 33:557 (Abstr).
28. Gray, D.J., M.E. **Compton**, N.J. Barnett and R.B. Carle. 1998. Applications of tissue and cell culture for seedless watermelon production. *In Vitro Cellular & Developmental Biology* 34:45-A (Abstr).
29. **Compton**, M.E. and J.M. Koch. 1999. Influence of plant preservative mixture (PPM) on adventitious organogenesis. *In Vitro Cellular & Developmental Biology* 35:40-A (Abstr).
30. **Compton**, M.E., B.L. Fuchs and J.E. Staub. 1999. Micropropagation of a rare *Cucumis* species. *HortScience* 34:461 (Abstr).
31. **Compton**, M.E. 2000. Results of an ornamental horticulture survey conducted at high schools in Illinois, Iowa, Minnesota and Wisconsin. *HortScience* 35:465 (Abstr).

32. **Compton**, M.E. 2002. Development of an Internet-based study guide to help students identify interior plant species. p. 542. XXVIth International Horticultural Congress - Toronto, Canada, August 11-17, 2002 (Abstr).
33. **Compton**, M.E. and L.R. Canon. 2002. Competence for *in vitro* bulblet regeneration among eight *Lilium* genotypes. In Vitro Cellular & Developmental Biology 38:113A (Abstr).
34. **Compton**, M.E. 2005. Plant Regeneration from Protocorm-derived Callus of Five *Paphiopedilum* Hybrids. HortScience 40:1101 (Abstr).
35. **Compton**, M.E. and T.H. Zauche. 2006. Potential of Anaerobic Digestion-Derived Biosolids as an Organic Addendum in Horticultural Growing Media. HortScience 41:970 (Abstr).
36. **Compton**, M.E. and T.H. Zauche. 2006. Growth of Geranium Plants in Soilless Media Containing Sphagnum Peat and Anaerobic Digestion-Derived Biosolids. HortScience 41:979 (Abstr).
37. **Compton**, M.E. and T.H. Zauche. 2006. Growth of *Cypripedium* Orchids in Soilless Media Containing Anaerobic Digestion-Derived Biosolids. HortScience 41:980 (Abstr).
38. **Compton**, M.E. 2007. Use of Gaming to Promote Student Learning in Greenhouse Operation and Management. HortScience 42: 893 (Abstr).
39. **Compton**, M.E. 2007. Growth of Showy and Yellow Lady Slipper Orchids in Soilless Media using Anaerobic Digestion-Derived Biosolids or Coconut Coir. HortScience 42: 873-874 (Abstr).
40. **Compton**, M.E. 2007. Growth of Poinsettia Plants in Soilless Media using Anaerobic Digestion-Derived Biosolids Compared to Peat-Based Growing Media. HortScience 42: 874-875 (Abstr).
41. **Compton**, M.E. 2007. Teaching Undergraduate Students to Use Applied Statistics and to Analyze and Interpret Plant Propagation Data. HortScience 42: 841 (Abstr).

Papers and Presentations at Professional Meetings:

Contributed Paper Presentations:

American Society for Horticultural Science Annual Meeting
Thirty-six (36) presentations since 1986

Florida State Horticultural Society Annual Meeting
Four (4) presentations from 1992 - 1994

International Society for Horticultural Science Annual Meeting
Presented 1, Toronto, Canada, 8/02

International Society for Plant Tissue Culture and Biotechnology
Presented 1, Orlando, Florida, 6/02

Society for *In Vitro* Biology Annual Congress
Twelve (12) presentations from 1992 - 1999

Virginia Tech Graduate Student Symposium

Presented 1, Blacksburg, VA, 11/87

University of Wisconsin-Platteville Research Day

Presented 1, Platteville, WI, 4/97

Invited Symposium Paper Presentations:

- Use of tetraploid somaclones in breeding seedless watermelons. Presented in the symposium titled Somaclonal Variation: A Fresh Look, 1996 World Congress on *In Vitro* Biology, San Francisco, CA, 6/96.

Invited Workshop Presentations:

- Teaching Undergraduate Students to Use Applied Statistics to Analyze and Interpret Plant Propagation Data. 2007, Annual Meeting of the American Society for Horticultural Science, Phoenix, AZ.
- Experimental designs and data analysis for *in vitro* research. Presented in the workshop titled Surviving Peer Review: Proper Experimental Design for *In Vitro* Research, 1998 World Congress on *In Vitro* Biology, Las Vegas, NV, 6/98.
- Horticulture Community Service Partnership with UW-Extension. The Engaged University Partnership, UW-Extension, Cooperative Extension Southern District All Faculty/Academic Staff Meeting, University of Wisconsin-Platteville, Platteville, WI, 2/01.
- Perennials for Southwest Wisconsin. Step into Spring: Grant County Master Gardener Program, Lancaster, WI, 3/29/03.
- Teaching Undergraduate Students to Use Applied Statistics to Analyze and Interpret Plant Propagation Data, Teaching Plant Propagation, *American Society for Horticultural Science*, Phoenix, AZ, 7/07.

Invited Paper Presentations:

- Genetic improvement of muskmelon and watermelon through biotechnology. Department of Vegetable Crops, University of Florida, Gainesville, FL, 4/92.
- Expediting the development of virus-resistant seedless watermelon. Suncoast Biotech Conference, Tampa, FL, 11/92.
- Genetic improvement of watermelon through biotechnology. Tropical Research and Education Center, University of Florida, Homestead, FL, 11/93.

Research-Related Workshops / Training Seminars:

Workshop Convener:

- Surviving Peer Review: Proper Experimental Design for *In Vitro* Research. 1998 World Congress on *In Vitro* Biology. Las Vegas, NV, 6/98.

Workshops / Training Seminars Attended:

- The Scholarship of Teaching. Office of Professional and Instructional Development (OPID), University of Wisconsin-System, Madison, WI, 11/01.
- Woody Ornamental In-Service. West Madison Agricultural Research Station, Madison, WI, 5/01.
- The WiSys Technology Foundation, Inc. Teaching Excellence Center and the Improvement of Learning Committee, University of Wisconsin-Platteville, 8/00.
- Conflict Resolution and Confrontation Skills. CareerTrack7, Holiday Inn, Dubuque, IA, 1/99.
- Grant Writing. USDA/CSREES. Kansas City, MO. 9/97.
- Covey Leadership Center Video Conference on *The Seven Habits of Highly Effective People*.@ Broadcast at The Contemporary Conference Center, Walt Disney World, Lake Buena Vista, FL, 5/94.

Professional Presentations - International:

Curriculum Vitae for Michael E. Compton, Ph.D.

- Programs in the School of Agriculture at the University of Wisconsin-Platteville, ME Compton, UFRPI, Recife, BRAZIL, 6/14.
- Programs in the School of Agriculture at the University of Wisconsin-Platteville, ME Compton, UNICENTRAL, Guarapava, BRAZIL, 6/14.

Professional Presentations to other than Professional Organizations:

- Programs in the School of Agriculture at the University of Wisconsin-Platteville, ME Compton, UNICENTRAL, Guarapava, BRAZIL, 6/14.
- Use of Manure Digester Solids as a Substitute for Sphagnum Moss Peat in Horticultural Growing Media, TH Zauche and **ME Compton**, Special Reception for presentation of the WiSys Technology Foundation Innovation Scholar Award, University of Wisconsin-Platteville, January 30, 2006.
- Use of Anaerobic Digestion-derived Biosolids as a Horticultural Growing Media. Farm Expo, October 13, 2006.

Consulting:

- Statistics consultant for several agriculture and horticulture firms, 1/93 - 12/93.
- Designed curriculum and course materials in plant science for WIDS, 10/97 - 6/98.
- Provided advice and problem solving on greenhouse hydroponic tomato production to Ag. Tech., Inc. Monroe, WI. 5/97 - 12/98.

Service Activities:

Advisory Committees:

- US Representative Ron Kind's Agriculture Advisory Committee, 7/08 – present.
- US Senator Tammy Baldwin's Agriculture Advisory Committee, 12/13 – present.

University of Wisconsin-Platteville:

School of Agriculture

ACTIVITIES

- School of Agriculture Internship Committee, 10/00 – present; Chair, 10/06 – present.
- School of Agriculture Curriculum Committee, 8/09 – present; Chair, 8/09 – 6/17.
- Program Chair for Soil and Crop Science, 6/05 – 8/08.
- Program Chair for Ornamental Horticulture, 5/00 - present.
- Supervisor of UW-P Pioneer Greenhouse and Gardens Complex, 8/95 - present.
- Secretary for Faculty/Staff meetings, 9/96 - 9/97.

ADVISOR FOR STUDENT ORGANIZATIONS

- UW-P Ornamental Horticulture Club, 9/95 – 5/12; co-advisor, 9/09 - present.
- Pi Alpha Xi, Alpha Pi Chapter, Charter Member & Advisor, 5/06 – present.
- School of Agriculture Executive Student Council, 9/08 – 6/17.

JUDGING TEAMS

- UW-P Floral Crop Quality Evaluation and Design Team, 1/96 – 5/08.
- UW-P NACTA Horticulture Team 1/96 - 5/99.

COUNCILS AND COMMITTEES

- School of Agriculture Executive Council, 8/00 to present; Chair, 7/08 to present.
- Soils, Crops and Ornamental Horticulture Committee, 9/95 to present, chair 8/00 to 7/08.

- Graduate Review Committee, 9/96 to present.
- Computer Committee, 9/97 to 5/98.
- Engineering Technology, 8/00 to– 12/12.
- Internship Committee, 8/00 to– present; Chair 5/06 to present.
- Public Relations and Scholarship, 8/00 to– 5/12.
- School of Agriculture Review Board (SRB), 10/00 to 5/02; chair 9/01 to 5/02.

FACULTY RECRUITMENT

- Director, Pioneer Farm, Search & Screen, Chair, 12/12 - 5/13.
- Land Reclamation, Search & Screen, 12/12 - 5/13.
- Crop Physiologist/Molecular biologist, Search & Screen, Chair, 12/12 - 5/13.
- Crop Scientist/Agronomist, Search & Screen, 11/06 – 3/07 Crop Scientist/Agronomist, Search & Screen, 12/12 - 5/13; 8/13 -5/14; 10/14 -5/15.
- Interim Director of Pioneer Farm Search and Screen, Chair, 7/11 to 8/11.
- Ornamental Horticulture/Landscape Management Search and Screen, Chair, 7/08 to 4/09.
- Crop Scientist/Agronomist, Search & Screen, 11/06 to 3/07.
- Landscape Horticulturist / Soil and Crop Scientist, Search & Screen Committee, Chair, 7/05 to 12/05.
- Vascular Plant Biologist Search & Screen Committee, 10/04 to 3/05.
- Soil & Crop Science/ Nutrient Management, Search & Screen Committee, 1/03 to 5/03.
- School of Agriculture, Director, Search & Screen Committee, 12/02 to 3/03.
- School of Agriculture, Director, Search & Screen Committee, 11/01 to 1/02.
- Landscape Horticulturist/Land Reclamationist, Search & Screen Committee, Co-Chair, 11/98 to 4/99.
- Agribusiness Search & Screen Committee, 1/97 to 4/97.

College of Business, Industry, Life Science and Agriculture COMMITTEES (in alphabetical order)

- BILSA College Council, 7/08 to present.
- BILSA Curriculum Committee (UCC Representative), 5/97 - 5/00; 5/02 – 5/05.
- Biotechnology Committee, 11/95 - 5/00; chair 9/98 - 6/99.
- College Information Technology Committee, 8/03 – 5/05.
- Greenhouse Committee, 11/97 - 12/02.
- Greenhouse Design Team, 8/99 - 12/02.
- Lindahl Teaching Award Committee, 5/00.

University

ACTIVITIES

- UW-P Faculty Mentoring Program, mentored Dr. David Kopsell, 1/06 – 5/07.
- UW-P Faculty Mentoring Program, mentored Dr. Christopher Baxter, 8/03 – 5/04.
- UW-P Faculty Mentoring Program, mentored Dr. Thomas Hunt, 7/99 – 5/00.

COMMITTEES OR COMMISSIONS (in alphabetical order)

- Academic Advisor Award Selection Committee, 5/00 to 5/01.
- Campus Beautification Committee, 10/95 – 5/12; chair 10/97 to 12/01.

- Campus Budget Assessment and Implementation Initiative, 6/14 to present.
- Campus Planning Committee, 9/97 to 12/01; 8/02 to 5/05; 9/09 to present, Chair 9/10 to present.
- Central Unit Allocation Committee, 7/15 to 10/17.
- Chancellor's Cabinet, 7/08 to present.
- COACHE Response Team, 8/14 to present.
- Environmental Impact Committee, 8/03 to 8/04.
- Faculty Senate, 5/13 to present.
- General Education Committee, 5/97 to 5/00; 5/02 to 5/05.
- Graduate Council, 9/96 to 6/99; 8/00 to 8/01; 8/17 to present.
- Higher Learning Commission Criterion V Team, 1/14 to 5/16.
- Search Committee for Director of Campus Physical Plant, Chair, 9/09 to 1/10.
- Search Committee for Grant Proposal Development Officer, 9/09 to 2/10.
- Search Committee for UWP Provost and Vice Chancellor, 2/10 to present.
- University Academic Budget Commission, 9/06 to 5/09, 8/11 to present; Chair 7/07 to 5/09, 8/11 to 5/14.
- University Undergraduate Curriculum Commission, 5/97 to 5/00; 5/02 to 5/05, Vice Chair 5/03 to 5/04, Chair 5/04 to 5/05.

RECRUITMENT OF PERSONNEL

- Provost and Vice Chancellor, Search & Screen, Chair, 2/10 to 5/10.
- Grant Writing Officer, Search & Screen, 9/09 to 3/10.
- Director of Physical Plant, Search & Screen Committee, Chair, 9/09 to 1/10.

University of Wisconsin System:

COMMITTEES

- Dean's Consortium for Agriculture, Extension, and Natural Resources, 7/08 to present.
- Underkofler Award Selection Committee, 4/00 - 6/00.
- UW-System Research Day Organization Committee, 6/98 - 8/00.

Wisconsin Department of Agriculture, Trade, and Consumer Protection:

- Wisconsin Agricultural Education and Workforce Development Council, 7/08 to present, Board of Directors, 2012 to present.

Virginia Polytechnic Institute and State University:

- Graduate student representative on the Horticulture Dept seminar committee, 8/87 to 8/88.

University of Florida, Central Florida Research and Education Center:

- Social Committee 1/95 - 7/95; chair.

Professional Service:

American Association of Schools and Colleges of Agriculture Renewable Resources

- Membership committee, 2008 to 2011.

American Society for Horticultural Science

Award Selection Committees:

- Outstanding Undergraduate Educator Award Selection Committee, 1/01 to 12/03; chair 5/02 to 12/03.
- Outstanding Publication in Vegetable Science Award Selection Committee, 10/03 to 8/04.

North American Colleges and Teachers of Agriculture:

- Superintendent of the Ornamental Horticulture Contest, 10/97 to 4/98.

High School FFA Horticulture Contests (Wisconsin):

- Northeast Wisconsin Agri-Science Skills contents, Appleton, WI, 3/96 to 3/08.
- Southwest Wisconsin Agri-Science Skills contents, Platteville, WI, 3/99 to present, superintendent.

Non-Land Grant Agriculture Renewable Resources Universities

- Board of Directors, 2012 to present.
- Past-President, 10/17 – 10/18.
- President, 10/16 – 10/17.
- Vice-President, 10/15 – 10/16.
- Communications and Marketing Committee, 10/11 - 10/15; Chair 10/13 – 10/15.
- LEAD21 Liaison, 6/18 to present.

Pi Alpha Xi:

- National Secretary/Treasurer, 8/06 to 12/08.

Membership in Professional Organizations:

- American Association of Colleges and Schools of Agriculture and Renewable Resources, 7/08 – present.
- American Orchid Society, 12/00 – 12/12.
- American Society for Horticultural Science, 1983 - present.
- Association of Education and Research Greenhouse Curators, 1997 - present.
- Florida State Horticultural Society, 1992 - 1996.
- International Association for Plant Tissue Culture & Biotechnology, 9/99 - present.
- North American Colleges and Teachers of Agriculture, 1996 - present.
- Slipper Orchid Alliance, 2005 – present.
- Society for In Vitro Biology, 1993 - present.

Memberships in Honorary Organizations:

- *Alpha Zeta, Illinois Beta*, 1982 - present.
- *Pi Alpha Xi, Sigma Chapter*, 1986 - present.
- *Pi Alpha Xi, Alpha Pi Chapter, Advisor*, 2006 - present.
- *Sigma Xi, University of Florida Chapter*, full member, 1992 - 2000.

Evaluation of Manuscripts for Journals:

- HortScience: 63 manuscripts.
- HortTechnology: 1 manuscript.
- In Vitro Cellular & Developmental Biology-Plant: 24 manuscripts (19*).
- International Association for Plant Tissue Culture & Biotechnology: 4 manuscripts.
- Journal of the American Society for Horticultural Science: 15 manuscripts.

- Plant Breeding: 1 manuscript.
 - Plant Cell Reports: 9 manuscripts.
 - Plant Cell, Tissue and Organ Culture: 66 manuscripts (50*).
 - Propagation of Ornamental Plants: 8 manuscripts.
 - Scientia Horticulturae: 1 manuscript.
 - Peer review of manuscript preprint requested by Dr. L. Xiaomei, College of Forestry, South China Agricultural University, Guangzhou, China: 1 manuscript.
- Values in (*) indicate manuscripts reviewed as an associate editor.*

Membership on Editorial Boards for Scientific Journals:

- **Editorial Board Member:** *Propagation of Ornamental Plants*, 12/09 – 5/14.
- **Associate Editor:** *HortScience*, 1/02 - 12/03.
- **Consulting Editor:** *HortScience*, 1/04 - 12/-04
- **Editorial Board Member:** *Plant Cell, Tissue, and Organ Culture*, Kluwer Academic Publishers, The Netherlands, 7/98 – 12/08.
- **Reviewing Editor:** *In Vitro Cellular & Developmental Biology-Plant*, Society for In Vitro Biology, Largo, MD, 7/98 – 12/05.

Reviewer of National and International Grant Proposals:

- Technical Reviewer. Proposal 12144: Soilless Cultivation of Valuable Medicinal and Aromatic Plants, A Proposal for An International Workshop between U.S. and Armenian Scientists, Review Requested by the U.S. Civilian Research & Development Foundation, 6/02.

Community Service:

Committees:

- Grant County Master Gardeners Association - steering committee for the 2005 State Convention, 3/04-7/04.

UWP Horticulture Hotline: worked with county extension faculty and student interns to provide advice and problem solving to horticulture hobbyist and businesses in Grant, Green, Iowa, Lafayette, Richland, and Vernon Counties. Over 850 calls addressed since July 2000 – Sept 2003.

Presentations at community events:

- *Organized and lead tours of UW-P Pioneer Greenhouse and Greenhouse:* tour for various groups including Grant County Master Gardeners, 11/08, Platteville Garden Club, 4/08, Wisconsin Master Gardener Conference, 4/05 (also about 4 additional tours per year from 2002 through 2011).
- *Perennials for Wisconsin:* presentation at the *Gear Up for Spring Symposium* sponsored by the Grant County Master Gardeners, 3/03 – 3/04.
- *Plant Diseases and Physiological Disorders,* presentation to the Iowa County Master Gardeners during their training session, 3/01.
- *Houseplants - their culture and propagation:* presentation to the Iowa County Master Gardeners during their training session, 2/99.

Community Workshops Convened:

- Organized 14 annual Plant Propagation and Plant Tissue Culture workshop with the Southwest Wisconsin Girl Scouts (Hazel Green, Lancaster and Platteville Troops), 2/10 (advised ornamental horticulture club), 3/97 – 3/09.

- Organized 3 annual Plant Biotechnology workshops with the UWP Expanding Your Horizons program, 3/04 – 3/06.