

## **Milton E. Tignor, Jr. (Buddy), Ph.D.**

*Assistant Professor of Horticulture Science*

*Plant and Soil Science Department, University of Vermont, Burlington, VT 05405-0082; e-mail: Milton.Tignor@uvm.edu, Voice: (802) 656-0466, Fax: (802) 656-4656*

### **ACADEMIC HISTORY**

- Ph.D. 1997 Horticultural Science.** University of Florida. *Dissertation Title: Irrigation, Nutrition, and Evaluation of Advanced Breeding Lines to Improve Freeze Hardiness of Citrus.*
- M.S. 1992 Horticultural Science.** Virginia Polytechnic Institute and State University. *Thesis Title: The Effects of Exogenous Application of Abscisic Acid and  $\alpha,\alpha$ -Dipyridyl on Cold Acclimation and Physical Characteristics of Pisum sativum 'Alaska' Seedlings.*
- B.S. 1990 Horticultural Science.** Virginia Polytechnic Institute and State University.

### **PROFESSIONAL EXPERIENCE**

**March 2000-present:** Assistant Professor of Horticulture. Plant and Soil Science Department. University of Vermont. (70% Teaching / 30% Research; 9 month-full time appointment): Primary research responsibility is fresh vegetable production. Teaching responsibilities will include principles of plant science, vegetable crops, and greenhouse and nursery production.

**March 1998-February 2000:** Assistant Professor and Undergraduate Coordinator in the Department of Horticultural Sciences at the University of Florida. (70% Teaching / 30% Research); Primary research responsibility was citrus. Teaching responsibilities included citrus, subtropical and tropical fruits.

**July 1997-March 1998:** Postdoctoral Researcher for the School of Forest Resources and Conservation at the University of Florida, Gainesville. Worked for the DGIFT Consortium hunting for resistance genes to Pitch canker in Pines. Taught a portion of one course for the department.

**August 1993-August 1997:** Graduate Teaching Assistant for Dr. Fred Davies at the University of Florida, Gainesville. Aided in teaching two citrus courses.

**September 1990-September 1992:** Graduate Teaching Assistant for Dr. Alex Niemera at Virginia Polytechnic Institute and State University, Blacksburg, VA. Taught Woody Plant Materials Identification Laboratory.

### **Courses Taught:**

PSS 011 Principles of Plant Science  
PSS 124 Vegetable 'Fruit' Crops  
PSS 126 Vegetable 'Root' Crops  
PSS 127 Greenhouse Operations and Management  
PSS 197 Principles of Plant Science Laboratory  
PSS 301 Plant Science Colloquium  
FRC 3252 Tropical and Subtropical Fruits

FRC 3212 Introduction to Citrus Culture  
FRC 4905 The Wonderful World of Citrus  
ORH 4932 South Florida Flora and Ecosystems  
FRC 3342C Tree Biology (co-taught)  
HORT 3325 Woody Landscape Plants I (Laboratory only)  
HORT 3326 Woody Landscape Plants II (Laboratory only)

## **STUDENT ACADEMIC ADVISEMENT**

**UVM:** Currently, I advise 22 undergraduate students (13 PSS majors, 2 PSS minors and 4 UFLH majors) and 3 graduate students (major advisor for 1, serve on committees of two others). I request meetings with students at least once a semester and always make time in my schedule for additional advising appointments. Participate regularly, including summers, in Admitted Student Visitations where prospective students are given tours of PSS facilities and course information.

**UF:** 53 students enrolled in undergraduate courses. I had responsibility for the students in the Horticultural Sciences Major. In addition, 342 students have contacted the program about potentially joining the student body and over half of those came in for advising. As a branch campus providing upper-division courses, we advised students at all levels from high school and community college to transfer students from other 4-year institutions.

## **STUDENT RESEARCH ADVISEMENT**

### ***GRADUATE STUDENTS:***

#### **Advisor**

**Nathaniel Sands.** 2001-2003. PSS. Improving irrigation efficiency of the Vermont vegetable industry.

**Meredith Dunker.** 2000. PSS. Investigation into irrigation scheduling effects on greenhouse tomato production. *Resigned to explore other academic opportunities.*

#### **Committee Member**

**Andrea Porter.** 1999-2001. CE. Processes affecting the fate of nonylphenol during wastewater treatment.

**David Whitney.** 2000-2001. CE. Plant-Microbial Relationships in Constructed Wetlands Used for Treating Wastewater.

### ***UNDERGRADUATE STUDENTS:***

**Daniel Fitzsimons.** 2001. Greenhouse Production Research Independent Research Project. Examined the occurrence of Blossom End Rot (BER) on greenhouse tomatoes in an irrigation research project being conducted.

**Steffanie Borst.** 2000-2001. The Market Garden at Shelburne Farms. Project on postharvest storage quality of carrots. Sponsored by the UVM Center for Sustainable Agriculture.

**Lhakpa Tsering and Thudop Dorjee.** 2000-2001. Intervale Community Supported Agriculture Internship. *Review of sustainable agriculture practices to be taken back to Tibetan resettlements in Northern India.* Sponsored by the UVM Center for Sustainable Agriculture.

**Julia K. Moore.** 2000. Summer 2000 Internship with Common Ground. *Covered field practices and economics.* Sponsored by the UVM Center for Sustainable Agriculture.

## ***STUDENT EXTRACURRICULAR ADVISEMENT***

**Co-advisor.** Common Ground Student-Run Horticulture Educational Farm. 2000-present. Serve as resource for approximately 15 students that are heavily involved in the organic production of vegetables on a student managed farm at the Horticulture Research and Education Center in South Burlington. For many students this is their first and only hands-on

agricultural production experience during their undergraduate careers. Students operate the farm as a CSA and donate all remaining food to either the Salvation Army Food Shelf or the Chittenden County Emergency Food Shelf (approx. 6000 lbs in 2000, over 14,000 lbs in 2001). Gave tours of the student run farm to distinguished visitors including Ross A. Virginia, Ph.D. (Professor, Dartmouth) Ron Sonoda, Ph.D. (Professor Emeritus of Plant Pathology, UF), Tulio Goncalves de Melo (Agronomist, EMBRAPA, Brazil), and Duangpom Suwanagul, Ph.D. (Assistant Professor, Kasetsart University; Bangkok, Thailand).

### ***RECRUITMENT***

Approximately 10% of my appointment (UF) was spent on recruiting activities. I managed the initial \$30,000 media campaign and made numerous public appearances promoting the teaching program.

### ***FORMAL EDUCATION STUDIES***

Completed graduate level courses in *Educational Sociology, University and College Teaching, and Learning Psychology* and a semester-long teaching workshop as a Ph.D. candidate at the University of Florida.

### **CONTINUED EDUCATION, TRAINING, and PROFESSIONAL DEVELOPMENT**

New England Vegetable and Berry Growers Association Conference. December 11<sup>th</sup>-13<sup>th</sup>, 2001. Sturbridge, MA.

Vermont Vegetable and Berry Growers Board of Directors' Meeting. December 6<sup>th</sup>, 2001. Barre, VT.

Northeastern Regional Workshop on USDA-CSREES Competitive Grants Program. October 18<sup>th</sup>. 2001. Syracuse, New York.

Helping Yourself to Tenure (Faculty Mentoring Program Workshop). April 13<sup>th</sup>, 2001.

Show Me the Money: How to find internal funding for faculty efforts at UVM. (Faculty Mentoring Program Workshop). March 29<sup>th</sup>, 2001.

Demonstration of the New PBS Videodatabase (CTL Workshop). November 3<sup>rd</sup>, 2000.

Dinner Conversations About Teaching (CTL Workshop). October 24<sup>th</sup>, 2000.

Northeast Regional Teaching Workshop. October 5-7, 2000 North Brunswick, NJ.

Professional Development Tour of Organic Farms. September 14<sup>th</sup>. 2000.

Orientation to Teaching Resources on the UVM Campus and the Center for Teaching and Learning. August 24<sup>th</sup>, 2000.

CALS Advising Workshop for New Faculty. August 23<sup>rd</sup>, 2000.

Critical Thinking for the New Century Workshop. University of Vermont. May 17<sup>th</sup>-18<sup>th</sup>, 2000.

WEBCT Workshop March 20<sup>th</sup>, 21<sup>st</sup>., 2000. University of Vermont.

Southern Teaching Improvement Symposium. October 1999.

Teaching and Learning Online Workshop. 1998. University Center for Excellence In Teaching at UF.

## **PUBLICATIONS**

### **RESEARCH**

#### **(refereed)**

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 J.* (In Press).

Davis, J.M., H. WU, M.E. Tignor. 1999. Inducible defense responses: mechanisms of general aggressor perception are conserved in plants. Institute National de la Recherche Agronomique (INRA).

Tignor, M.E., F.S. Davies, and W.B. Sherman. 1998. Freezing tolerance and growth characteristics of USDA intergeneric citrus hybrids 'US 119' and selection 17-11. *HortScience*. 33(4):744-748.

Tignor, M.E., F.S. Davies, W.B. Sherman, and J.M. Davis. 1997. Rapid freeze acclimation of *Poncirus trifoliata* seedlings exposed to 10C and long days. *HortScience*. 32:854-857.

#### **(scientific proceedings)**

Wilson, S.B., P.C. Wilson, and M.E. Tignor. 2001. Assessment of germination, nutrient uptake and photosynthetic efficiency for evaluating the potential invasiveness of *Ruellia brittoniana*. *Proc. Fla. State Hort. Soc.* (In Press)

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

Tignor, M.E., F.S. Davies, and W.B. Sherman. 1998. Irrigation and nutrient application frequency effects on freeze hardiness and growth of 'Hamlin' orange trees in Florida. *Proc. Fla. State Hort. Soc.* 111:121-125. Also presented at meeting.

Davies, F.S., M.E. Tignor, and L. Mathers. 1996. Irrigation and fertilization of young interset 'Hamlin' orange trees in Florida. *Proc. Fla. State Hort. Soc.* 109:77-80. Also presented at meeting.

### **POPULAR PRESS PUBLICATIONS**

Tignor, M.E. 2001. Roses are red, Some of our potatoes were blue, we grew some weird tomatoes this summer and so should you!. Friends of the Horticulture Farm Newsletter. November/December.

Tignor, M.E. 2001. Vegetable Medley: and update. Friends of the Horticulture Farm Newsletter. September/October.

Tignor, M.E. and M. Dunker. 2000. Vegetable Medley. Friends of the Horticulture Farm Newsletter. July/August.

Appelton, B., M.E. Tignor, R. Sorenson. 1992. Selecting trees to minimize yardwaste. *The Virginia Gardener Newsletter*. 11(9):1.

### **RESEARCH COMMUNICATIONS**

Hayden, N. W.C. Hession, M.Tignor, and D. Whitney. 2001. Developing a constructed wetland at the University of Vermont. Wetlands & Remediation: Second International Conference. Burlington, VT (September 5-6).

Dunker, M., D. Heleba, N. Sands, and M.E. Tignor. 2001. Preliminary evaluation of five heirloom tomato cultivars for fresh market production in New England. American Society of Horticultural Sciences Annual Meeting. *HortScience*. 36(3):537.

Wilson, S.B., P.C. Wilson, and M.E. Tignor. 2001. Germination of potentially invasive ornamental plants under varying conditions. American Society of Horticultural Sciences Annual Meeting. *HortScience*. 36(3):556.

Wilson, S.B., P.C. Wilson, and M.E. Tignor. 2001. Assessment of germination, nutrient uptake and photosynthetic efficiency for evaluating the potential invasiveness of *Ruellia brittoniana*. 2001 Annual Meeting of the Florida State Horticultural Society. Hutchinson, Island, FL. (June 10-June 12). Presentation of paper in proceedings.

Tignor, M.E. 2001. The rebirth of vegetable crops teaching and research at UVM. 2001 Vermont Vegetable and Berry Growers Association Annual Meeting. Rutland, VT. (February 13).

Tignor, M.E. and P.J. Stoffella. 2000. Computer root image analysis of citrus rootstock seedlings. *HortScience*. 35(3):499.

Davis, J., G. Blakeslee, M. Tignor, S. Luce, L. La Russa, and C. Michler. 1998. An approach to identify slash pine genes associated with tolerance to pitch canker disease. Proc. IMPACT. Monterey. Asilomar, CA. (Nov. 31-Dec. 2).

Tignor, M.E., J.M. Davis, F.S. Davies, and W.B. Sherman. 1996. Changes in freezing tolerance, water potential, and gene expression of *Poncirus trifoliata* 'Rubidoux' seedlings exposed to acclimating low temperatures and long days. *HortScience*. 31(4):580.

Tignor, M.E. and C.A. Weber. 1996. Effects of hydrating, boiling, acid scarification, and seed coat removal on emergence of *Citrus* sp., *Poncirus trifoliata*, and citrange seeds. *HortScience*. 31(4):633.

Davies, F.S., M.E. Tignor, and L.A. Mathers. 1996. Irrigation and fertilization of young interset 'Hamlin' orange trees in Florida. FSHS. Proceedings supplement 109:21.

- Tignor, M.E., F.S. Davies, and W.B. Sherman. 1995. Irrigation scheduling, nutrient application frequency, and freezing acclimation of 'Hamlin' orange trees in Florida. *HortScience*. 30:848.
- Tignor, M.E., F.S. Davies, and W.B. Sherman. 1995. Freezing tolerance of citrus hybrids USDA 17-11 and USDA 119 as compared to 'Hamlin' orange and Satsuma mandarin. *HortScience*. 30:795.
- Tignor, M.E. and R.L. Weiser. 1992. Responses of 'Alaska' pea seedlings to freezing stresses after the addition of  $\alpha,\alpha$  dipyridil, an extensin hydroxylation inhibitor. *Plant Physiology*. 99(1):127.
- Tignor, M.E. and R.L. Weiser. 1992. The effects of the interaction between light and exogenous abscisic acid on cold acclimation of 'Alaska' pea seedlings. *HortScience*. 27:685.
- Tignor, M.E. and R.L. Weiser. 1991. Response of 'Alaska' pea seedlings to freezing and chilling stresses after the exogenous application of abscisic acid. *HortScience*. 26:737.

### ***TEACHING COMMUNICATIONS***

- Tignor, M.E. and M. Starrett. 2001. Using WebCT as a 'traditional' course supplement to enhance student learning, test competency efficiently, and obtain comprehensive student evaluations. *HortScience*. 36(3):447.
- Sands, N. W.S. Harper, and M.E. Tignor. 2001. Using a student managed vegetable farm as an alternative learning experience to benefit students and the local community. *HortScience*. 36(3):513.
- Tignor, M.E., N. Sands, D. Heleba, and Adam Wheeler. 2001. Vegetable Teaching and Research at the University of Vermont & Heirloom Vegetable Demonstration Garden Review. Friends of the Horticulture Farm. September 13<sup>th</sup>.
- Tignor, M.E. 2001. PSS Teaching Program Review. Presented to Jericho Underhill Parks District Board of Directors. July 18<sup>th</sup>.
- Tignor, M.E. 2001. Heirloom vegetable treasures. 2001 Vermont Flower Show. Burlington, VT. (March 2<sup>nd</sup>-4<sup>th</sup>).
- Tignor, M.E. 2001. Heirloom vegetables: An amalgam of nostalgia and horticulture. 2001 Friends of the Horticulture Farm Seminar Series. So. Burlington, VT. (February 22<sup>nd</sup>).
- Tignor, M.E. 2001. GMO news and information: separating the wheat from the chaff. Commercial Field and Forage Pesticide Applicators Training. Randolph, VT (January 17<sup>th</sup>).

Tignor, M.E. 2001. Communicating to students with syllabi and using WebCT as a course supplement. Lessons from Seventy-Five Years of Teaching Experience. CALS Teaching Workshop hosted by participants in the 2000 Northeast Regional Teaching Conference (T. Patterson, G. Olivetti, J. Petrillo, and J. Leonard)(January 12<sup>th</sup>).

Tignor, M.E. 2000. Maximizing lecture time and learning by using the Internet as a student resource and evaluation tool. Orientation to teaching resources on the UVM Campus and The Center for Teaching and Learning. August 24<sup>th</sup>, 2000.

Tignor, M.E. 2000. Plant Growth Factors Relevant to Phytoremediation. Invited Guest Lecture (2 hours). CE 256 Biological Processes for Water and Wastewater Treatment. November 27<sup>th</sup>.

Tignor, M.E. and E.M. Lamb. 1999. De Novo synthesis of a horticulture teaching program. HortScience. 34(3):519.

#### ***MISCELLANEOUS REPORTS AND SEMINAR SERIES***

Tignor, M.E., S. Thornsby, D. Tucker, and M. Ritenour. 1999. Citrus Training Session. Heron's Glen: Fort Myers, FL. 174 pp. Completed using Microsoft PowerPoint

Thornsby, S. and M.E. Tignor. 1999. "Grapefruit on the Go": 10 minute animated PowerPoint presentation; covering grapefruit export worldwide; presented to the public at the 1999 Grapefruit Festival. Fort Pierce, FL.

Tignor, M.E. 1999. Beginning HTML Skills. Presented to faculty and staff. Fort Pierce, FL.

Tignor, M.E. and L.G. Albrigo. 1999. Citrus Teaching Programs. Statewide Overview Document Presented to the Vice President and Deans for the College of Agriculture. 5 pp.

#### ***ACKNOWLEDGEMENTS FOR ASSISTANCE:***

Klock-Moore, K.A., Fitzpatrick, G.E. and R.K. Schoelhorn. 2000. Development of a bachelor of science degree program in horticulture at the University of Florida for place-bound students. *HortTechnology*. 10(2):390-393.

Jackson, L. and F.S. Davies. 1999. Citrus Growing in Florida. University of Florida Press:Gainesville. 299 pgs.

### ***PENDING PROPOSALS***

Tignor, M.E. 2002-2004. Effects of Organic Soil Management Practices on Microbial Populations and Vegetable Growth Development and Yield. USDA. NRI. Managed Ecosystems Seed Grant. (\$74,722)

Hayden, N.J., and M.E. Tignor. 2001-2004. Holistic approach to understanding rhizosphere enhanced degradation using TNT and Naphthalene as model contaminants. DoDEpscor. (\$301,526)

### ***FUNDED PROPOSALS***

Foss, D., N.J. Hayden, W.C. Hession, and M. Tignor. 2001. Constructed wetlands center for research, education, and outreach at the University of Vermont. USDA/CSREES. (\$177,728)

Tignor, M.E. 2001. Development of an on-line modular review covering basic plant science principles. Instructional Incentive Grants (Center for Teaching and Learning). (\$4,700).

Tignor, M.E. 2000-2003. Optimization of irrigation efficiency in the Vermont vegetable industry. Competitive Hatch Funds. (\$48,000).

Tignor, M.E. 2001. Heirloom Vegetable Garden for Public and Grower Education. The Friends of the Horticulture Farm. (\$1,325).

Wilson, S.B., Wilson, P.C., and M.E. Tignor. 2000-2001. Development Of Screening Protocols for Evaluating the Potential Invasiveness of New Ornamental Species to the Florida Landscape. Florida Department of Environmental Protection. (\$24,264.86).  
see website I created and maintained for the project:  
<http://www.uvm.edu/~pass/tignor/IPWeb/index.htm>

Tignor, M.E. Minigrant For The Improvement of Instruction. 1999. College of Agriculture. University of Florida. (\$2,460)

Tignor, M.E. and M. Ritenour. 1998-2000. Development of a Central Internet Resource For Citrus Information. Florida Citrus Production Research Advisory Council. (\$7,500).  
See website I helped to create (work in progress): <http://www.fcprac.ifas.ufl.edu>

Boman, B. and M. E. Tignor. 1998-2000. Detecting and Managing Water Stress in Flatwoods Citrus. Florida Citrus Production Research Advisory Council (\$34,000).

Tignor, M. E. and R. L. Weiser. 1991. Testing the effectiveness of cryoban in eliciting cold acclimation of peas. Submitted to and funded by Great Lakes Chemical Corporation and QO Chemicals. (\$5,300).

## **OTHER ACTIVE GRANT PARTICIPATION IN NON-PI ROLES**

Hession, C., D. Wang, N. Hayden, P. Bierman, and J. Hughes. 2000. Ecosystem restoration and management of human impacted watersheds: An interdisciplinary and multi-scale approach. NSF-IGERT. *One of 16 faculty participants (in addition to the PIs) on this large multidisciplinary project that if funded will bring at least 15 additional Ph.D. students to UVM.* (not funded resubmitted 2001, pre-proposal not accepted 2001).

### ***PROPOSALS SUBMITTED (not funded)***

Hayden, N.J., M.E. Tignor, C.M. Reynolds, and D. Ringelberg. 2001-2004. Holistic approach to understanding rhizosphere enhanced degradation using nonylphenolethoxylate and naphthalene as model contaminants. 2001-START-C1; USEPA, DOD, DOE. (\$449,456).

Olivetti, G., M.Tignor, and P. Lintilhac. 2001-2003. Holistic approach to integrate basic and applied plant science into a dynamic agricultural curriculum. Higher Education Challenge Grant. USDA/CSREES. (\$99,175).

Grubinger, V.P., Schneider, K.A., and M.E. Tignor. 2000. Assessing and reducing microbial contamination in Vermont vegetables. Vermont Integrated Research and Extension Competitive Awards. (\$59,420.04).

Tignor, M.E. 1999. Bioindication and Bioremediation of Copper and Excess Nitrate from Citrus Groves. St. Lucie River Issue Team. FL Legislature (\$250,000).

Tignor, M.E., Wilson, P.C., and S.B. Wilson. 1999. Development of a Water Purification System for Ornamental Production Nurseries. Horticultural Research Institute. (\$14,000).

Wilson, S.B., Wilson, P.C. and M.E. Tignor. 1999. Framework for Investigation the Potential Invasiveness of New Ornamental Plant Species Before Introduction Into the Landscape. Horticultural Research Institute. (\$7,280).

Tignor, M.E., Wilson, C., Wilson, S. and C. O'Brien. 1999. Bioindication and Bioremediation of Agrochemicals from Agricultural and Urban Areas. Legislative Delegation. (\$500,000).

Ritenour, M. and Tignor, M.E. 1999. Developing Management Tools To Limit 'Sheepnosing' in Citrus. Florida Citrus Production Research Advisory Council. (\$15,000).

Tignor, M.E., Stover, E., Castle, W., Garnsey, S., Bowman, K. and J. Chaparro. 1999. Is Your 'Swingle' Citrumelo Rootstock Really 'Swingle' Citrumelo?. Florida Citrus Production Research Advisory Council (\$15,000).

## **EXTENSION ACTIVITIES**

- Pumpkin Presentation. Browns River Middle School. October. 2001.
- Hosted NOFA-VT Twilight Meeting to review the Vegetable Research and Teaching Activities at the HRC. September 13<sup>th</sup>, 2001.
- Surveyed Vermont Vegetable and Berry Grower's Board of Directors to determine most pertinent Research Directions. 2001.
- Participated in the Vermont Vegetable and Berry Grower's Annual Meeting in Rutland, VT. 2001
- Participated in the Vermont Commercial Pesticide Applicator's Workshop in Randolph, VT. 2001
- Participation in the Grapefruit Economic Workshop. 1998.
- Participation in the Grapefruit Economics Workshop. 1999.
- AgriScience Fair judge for the State of Florida FFA Convention. Junior Division 1998.
- AgriScience Fair judge for the State of Florida FFA Convention. Senior Division. 1998.
- Indian River Lagoon Envirothon St. Lucie County Coordinator. 1999.
- Indian River Lagoon Envirothon Educational Committee (Chair). 1999. produced CD ROM of the resource guide for teachers and students.
- Indian River County Environmental Educators. 1999.

## **AWARDS and HONORS**

### **Other**

2000. Appointed to the Graduate Faculty in the Department of Plant and Soil Sciences (UVM).
1999. Appointed to Graduate Faculty in the Department of Horticultural Sciences. (UF).
1999. Received \$3000 one-time bonus for service to the Indian River Research and Education Center.
1999. Received \$3000 meritorious increase to base salary.
1996. Received the Hughes Memorial Scholarship (UF)
1995. Received the Edgar and Elizabeth Holcomb Award (UF)
1994. Received the Spyke Memorial Scholarship (UF)
1989. Received the August Teske Memorial Scholarship (VPI & SU)

## **PROFESSIONAL MEMBERSHIPS PAST AND PRESENT.**

- Member of the American Society for Horticultural Science since 1990-present.
- Member of the Florida Society for Horticultural Science since 1994-1999.
- Member of the American Association for the Advancement of Science since 1993-1999.
- Member of the American Society of Plant Physiologists 1992-1993.
- Member of Pi Alpha Xi honor society from 1988-1992.

## **UNIVERSITY GOVERNANCE**

### ***Committee Service***

- (UVM) CALS Honor Committee. 2000-present.
- (UVM) CALS Information Technology Committee. 2000-2001.
- (UVM) CALS Scholarship Committee. 2000.
- (UVM) PSS Horticultural Research Center Advisory Committee. March 2000-present.
- (UVM) PSS Search and Screen Committee for Master Gardener Coordinator. 2000.

(UVM) PSS Curriculum Committee. April 2000-present.  
(UVM) PSS Technology Committee. 2000-present.  
(UVM) PSS Committee to Examine Botany Department Name Change. 2000.  
(UF) Horticultural Sciences Department Curriculum Committee. 1999-2000.  
(UF) Task Force On Preparing Students For The New Millennium. 1999-2000. College of Agriculture  
(UF) Search and Screen Committee. 1999. for Assistant Professor, Soil and Water Science.  
(UF) Computer Committee (chair). 1999-2000. Indian River Research and Education Center.  
(UF) New Building Committee. 1999-2001. Indian River Research and Education Center.  
(UF) Seminar Committee. 1999. Indian River Research and Education Center.  
(UF) Publications Review Committee. 1999. Indian River Research and Education Center.  
(UF) IRREC Citrus Budwood Committee. 1998-1999. Indian River Research and Education Center.

**(UF) *Physical Expansion of the New Teaching Program***

1998. Managed the Design, Purchase, and Delivery of New 4000 ft<sup>2</sup> Teaching Greenhouse Facility (\$50,000).  
1998. Purchased in excess of \$35,000 dollars worth of computer equipment for the new teaching program.  
1998-2000. Managing the Development of 2.5 acres for a new citrus and ornamentals variety collection.  
1998-2000. Providing major input to UF/IFAS Facilities Planning and Operations, Hunton Pryor Brady Maso architects, and Biltmore construction on the design of our new 3.8 million dollar teaching facility (part of service to the New Building Committee).

**INFORMATION TECHNOLOGY**

**Web Pages Designed**

PSS 011 Principles of Plant Science. <http://webct.uvm.edu:8900/> \*  
PSS 124 Vegetable “Fruit” Crops. <http://webct.uvm.edu:8900/> \*  
PSS 126 Vegetable “Root” Crops. <http://webct.uvm.edu:8900/> \*  
PSS 127 Greenhouse Operations and Management. <http://webct.uvm.edu:8900/> \*  
PSS 301 Plant Science Colloquium. <http://webct.uvm.edu:8900/> \*  
Tignor Faculty Web Pages. <http://www.uvm.edu/~pass/tignor/index.html>  
FRC 3252 Tropical and Subtropical Fruits. <http://www.irrec.ifas.ufl.edu/TSF/frc3252.htm>  
ORH 4932 South Florida Flora and Ecosystems.  
<http://www.irrec.ifas.ufl.edu/SFFE/index.htm>  
Evaluating the Potential Invasiveness of New Ornamental Species in FL.  
<http://www.uvm.edu/~pass/tignor/IPWeb/index.html>  
Fun with freshwater mussels: educational website. Assisted C.A. O’Brien with development.  
<http://www.uvm.edu/~pass/tignor/mussels/index.htm>  
Citrus Internet Resource Pages. <http://www.fcprac.ifas.ufl.edu/>  
Designed and maintained the Indian River Research and Education Center’s first Website.  
<http://www.irrec.ifas.ufl.edu> until March 2000  
\*to view: username= ‘mtignor1’ password = ‘reviewer’

***Software Experience: (most recent versions listed)***

WebCT 3.1.3, Microsoft Office 2000, Macromedia Dreamweaver 3, Macromedia Fireworks 3, Macromedia Coursebuilder (some), Microsoft FrontPage 2000, Microsoft Image Composer, WS-FTP, Internet Explorer 5, Netscape Communicator 4.72, Microsoft Windows 98, Coporate Time 5.1

***Hardware Experience:***

LCD Projectors (BoxLight, EIKI), Overhead Opaque Projectors (Canon and ELMO), Digital Cameras (Kodak 260, Nikon 990), Dell PowerEdge 2300 Server, Palm Pilot III, Interactive Video Teleconferencing Unit (PicTel) – operating over a fractional T1, Flatbed Scanners (HP), Hard drive Installation, Printer Installation