

**Bonnie H. Ownley, Ph.D.**

Herbert College of Agriculture, University of Tennessee  
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**EDUCATION**

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Ph.D., Plant Pathology, minor in Soil Science, 1987, North Carolina State University, Raleigh, NC  
M.S., Microbiology, 1983, Auburn University, Auburn, AL  
B.S., Biology, 1979, The University of North Carolina, Chapel Hill, NC

**CERTIFICATIONS**

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Intercultural Development Inventory Trainer, 2020

**PROFESSIONAL EXPERIENCE**

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2020–Present Assistant Department Head - Department of Entomology and Plant Pathology, University of Tennessee, Knoxville, TN (UTK)  
2015–Present Graduate Director – Entomology and Plant Pathology, UTK  
2011–Present Professor – Entomology and Plant Pathology, UTK  
1998–2011 Associate Professor – Entomology and Plant Pathology, UTK  
1992–1998 Assistant Professor – Entomology and Plant Pathology, UTK  
1992 Visiting Plant Pathologist – Dept. of Plant Pathology, Washington State University, Pullman, WA.  
1988–1992 Postdoctoral Research Fellow – U.S. Department of Agriculture, Agricultural Research Service, Root Disease and Biological Control Research Unit, Pullman, WA.

**LEADERSHIP ROLES (Selected)**

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2024 Treasurer, American Phytopathological Society  
2023 Treasurer-Elect, American Phytopathological Society  
2021–22 Past President, Faculty Senate - University of Tennessee, Knoxville and Institute of Agriculture (elected second time)  
2018–20 Steering Committee Chair, Coalition on Intercollegiate Athletics (national organization)  
2018–19 President, University of Tennessee Faculty Senates (state-wide organization)  
2016–17 President, Faculty Senate - University of Tennessee, Knoxville  
2013–15 Secretary of Faculty Senate, University of Tennessee, Knoxville  
2005–06 Chair, University of Tennessee Institute of Agriculture Advisory Council  
2001 President, American Phytopathological Society, Southern Division  
2001 President, Gamma Sigma Delta, UTK Chapter  
1996 President, Sigma Xi, UTK Chapter

**HONORS, AWARDS, RECOGNITION FOR SCHOLARSHIP, LEADERSHIP, AND PROFESSIONAL ACTIVITY**

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2024 University of Tennessee Alumni Association’s Distinguished Service Professorship Award  
2022 Fellow, American Phytopathological Society  
2018 Notable UT Woman Award, University of Tennessee, Knoxville Chancellor, and Commission for Women  
2017 Outstanding Graduate Student Mentor, Graduate Student Senate, University of

- Tennessee, Knoxville
- 2016 Outstanding UT Inventor, UT Research Foundation
- 2015-16 University of Tennessee, Knoxville Academic Leadership Program
- 2015-16 Southeastern Conf. Academic Leadership Development Program Fellow
- 2015 Faculty Appreciation Week
- 2014 Gamma Sigma Delta, Excellence in Research Award, UTK Chapter, Nov 17  
William T. Miles, M.D. Memorial Award for Community Service, in recognition of significant contribution and services to the Knoxville community. University of Tennessee Institute of Agriculture, Aug 01
- 2013 Trefoil Award for Outstanding Volunteer Service in 2012, in recognition for leadership with the Gadget Girls STEM program; award given by the Girl Scout Council of the Southern Appalachians  
Maturation Fund Recipient, UT Research Foundation
- 2012 Selected for LEAD-21 Leadership Development Training
- 2011 Dr. Charles D. Pless Award, Department of Entomology and Plant Pathology, in recognition for demonstrating leadership in the department through teamwork, dedication, and collegiality.
- 2010 Gamma Sigma Delta, Excellence in Teaching Award, UTK Chapter, Nov 16
- 2010 Top Cited Paper for 2008-2010 in *Fungal Ecology* (Vega, FE, MS Goettel, M Blackwell, D Chandler, MA Jackson, S Keller, M Koike, NK Maniania, A Monzón, BH Ownley, JK Pell, DEN Rangel, and HE Roy. 2009. Fungal entomopathogens: new insights on their ecology. *Fungal Ecol.* 2:149-159).
- 2007 Women of Achievement Award in recognition of extraordinary accomplishments or contributions significantly improving the status of women within the University community, presented by the Chancellor and the Commission for Women, at the Annual Chancellor's Award Banquet, University of Tennessee, Apr 11
- 2007 Appreciation Award for recognition of Workshops in Biotechnology, Genetics, and Aquaculture for middle and secondary school teachers during 2004-2007, presented by the East Tennessee Science Partnership (Tennessee Department of Education Math and Science Partnership Program), presented at the annual meeting of the East Tennessee Science Partnership, Feb 28
- 2006 Marian Moffett 'Unsung Hero' Award, presented by the Chancellor, University of Tennessee, and the Commission for Women
- 2005 Recognition of Outstanding Services as Senior Editor of *Phytopathology* for the American Phytopathological Society
- 2004 Selected for the ESCOP/ACOP Leadership Development Program Class 13
- 2004 Dr. Charles D. Pless Award, Department of Entomology, and Plant Pathology, in recognition for demonstrating leadership in the department through teamwork, dedication, and collegiality.
- 1996 Recognition of Outstanding Services as Associate Editor of *Phytopathology* for the American Phytopathological Society
- 1992 U.S. Dept. of Agriculture, Agricultural Research Service Certificate of Merit for Innovative Methods for Data Analysis by the Research Unit, representing a Highly Significant Improvement that has affected the Function of the Entire Unit, cash award
- 1987 U.S. Dept. of Agriculture, Agricultural Research Service Postdoctoral Research Fellow
- 1987 Sigma Xi Scientific Research Society

- 1986 Graduate Student Paper Research Award – first place, American Phytopathological Society (Southern Division)
- 1983 Phi Kappa Phi Honor Society
- 1982 Gamma Sigma Delta Agricultural Honor Society

## TEACHING ACTIVITIES

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### Courses Taught and Guest Lectures

**Bacterial Plant Diseases:** (EPP 514) (4 credit hours 1995-2001; 2 credit hours 2005-2008; 3 credit hours 2009-2013). Course name changed to **Phytobacteriology** (3 credit hours 2014-2017)

- Graduate course offered to M.S. and Ph.D. students
- EPP 514 was taught during spring 1995, 1997, 1999, 2001, 2003, 2005, 2008, 2010, 2012, and fall 2017.
- I developed this course and have been the only instructor
- The course has had a web presence through Online@UT (or Canvas) since 2001.

**Entomology and Plant Pathology Colloquium** (EPP 570) (1 credit hour)

- Graduate orientation course required of first year EPP graduate students
- Co-taught course in fall 2019, 2020, 2021, 2022, 2023, and 2024; provided guest lectures in fall 2017 and 2018

**Independent Study Entomology and Plant Pathology:** (EPP 493) (1-3 credit hours)

- This course is for research projects for undergraduate students. I have mentored several undergraduate research projects on topics in plant pathology/microbiology.

**Impact of Plant Diseases and Insect Pests on Human Societies** (EPP 201) (3 credit hours)

**Mycology:** (EPP 505) (3 credit hours; lecture and laboratory 2008-2018; lecture only 2019-2024)

- Graduate course offered to M.S. and Ph.D. students, and advanced undergraduates
- Core course requirement for plant pathology M.S. graduate students
- EPP 505 was taught in Fall semester of 2008, 2010, 2012, 2014, 2018, 2020, 2022, 2024, and Spring 2016 and 2017. In 2008 and 2010, the course was team-taught with R.N. Trigiano
- I developed a web presence for this course through Online@UT (or Canvas). Six web-based learning modules, which are focused on different phyla of fungi were developed for use in this course. In addition to lectures, the students work through the modules independently and take online practice tests to reinforce the lecture material. Students have been very complimentary of the mycology modules as teaching tools.

**Seminar:** (EPP 541 / EPP 640) (1 credit hour)

- All graduate students in EPP are required to attend and present seminars
- EPP 541 was taught during Summer 1996, Fall 1996, Spring 1997, Fall 2003, Spring 2004, Summer 2004, Fall 2004, and Spring 2005
- EPP 640 was taught in Spring 2005

**Soilborne Plant Pathogens:** (EPP 512/612) (3 credit hours)

- EPP 512 is a graduate course that was offered to M.S. students only, and EPP 612 was offered to Doctoral students only. The courses were combined in 2013.
- EPP 512 was taught in Fall semester of 1993, 1995, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2013, 2015, and Spring 2019, 2021, and 2023.
- EPP 612 was taught in Fall of 2004 and 2010.

- EPP 512 was team-taught (with Dr. M. Windham) for the first year (1993), after which I revised the course significantly and have been the only instructor.
- EPP 512 has had a web presence via Blackboard Online@UT (or Canvas) since 2000.

#### **Special Problems in Plant Pathology (EPP 531) (1-3 credit hours)**

- This course has been taken by several M.S. students working on independent research projects that differed from their thesis research.
- I taught EPP 531 in Summer 1995, 1996; Fall 1996, 1997; Summer 1998; Fall 2004; Spring 2005; Summer 2009; Fall 2009, 2012, 2017; and Summer 2014.

#### **Teaching Internship in Agriculture (AGR 512) (1 credit hour)**

- This course has been taken by M.S. students who assisted with preparing laboratory and educational materials for EPP 514
- Students participated in AGR 512 in Spring 1995, Spring 1997, Fall 2000, and Spring 2015.

#### **Advanced Topics in Plant Pathology (EPP 604) (2 credit hours)**

- This course was offered to Ph.D. students engaged in special topic research projects
- It was taught in Fall, 2004 and 2015.

#### **Guest Lectures:**

- *Phytobacteriology*. Lecture in EPP 313 (Introductory Plant Pathology): Fall 2022
- *Basidiomycota*. Lecture in EPP 313 (Introductory Plant Pathology): Fall 2022, 2023
- *Ascomycota I, Ascomycota II*. Lectures in EPP 313 (Introductory Plant Pathology): Fall 2022, 2023
- *Cultural Controls for Management of Bacterial and Fungal Plant Diseases*. Lecture in EPP 313 (Introductory Plant Pathology): Fall 2022, 2023
- *Plant Disease Epidemics*. Lecture in EPP 313 (Introductory Plant Pathology); Fall 2022, 2023
- *Shared Governance in Higher Education*. lecture in HEAM 619 (Governance in Higher Education): Spring 2018, 2019, 2020, 2021, and 2022
- *Implicit Bias*. Lecture in EPP 675 (Scientific Writing and Grantsmanship): Spring 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, and 2022
- *Managing Plant Pathogens in Organic Systems*. Lecture in PSLS 515 (Agroecology): Spring 2012
- *Agrobacterium tumefaciens and transgenic plants*. Lecture in EPP 201 (Impact of Insects and Plant Diseases on Human Societies): Fall semester 2004-2015, 2017-2018
- *Hallucinogens, Poisons, and Mycotoxins*. Lecture in EPP 201: Fall semester 2019, 2020, 2021, 2022, 2023
- *FBI's Ten Most Wanted Plant Pathogens*. Lecture in EPP 201: Fall semester 2004-2007
- *Bacterial Plant Pathogens*. Lecture in EPP 313 (Introductory Plant Pathology); Fall 1998, 2000
- *Academic Integrity*. Lecture in EPP 541, Graduate Seminar; Fall 1996
- *Biological Control of Plant Pathogens*. Lectures in PSS 411 (Soil Microbiology); Fall 1994

#### **Educational Workshop Presentations**

##### **Presentations on Teaching to Peers**

1. **Ownley, B.H.** 2000. Critical thinking in large classrooms. Presentation in a CASNR, UTIA Workshop on 'Critical Thinking;' presented information to faculty from the 1999 Southern Regional Teaching Improvement Workshop. Knoxville, TN.
2. **Ownley, B.H.**, and D.S. Seth. 2000. Innovations in Teaching - Development of an on-line course in plant pathology. Presentation to the CASNR Ag Alumni Council, Knoxville, TN.

**Workshops on Biotechnology/ Molecular Biology/ Genetics to Middle and High School Teachers – included lectures and firsthand laboratory exercises; funded by grants received**

1. **Ownley, B.H.**, and R.N. Trigiano. 2006. *Teaching Biotechnology and Molecular Biology in 8 -12 Grade Classrooms*; funded by the Tennessee Higher Education Commission, Improving Teacher Quality Grant Program; Audience: 10 High School and Middle School Science Teachers (impacted 1,250 students); Duration: 3 days; Location: Jackson State Community College, Jackson, TN.
2. **Ownley, B.H.**, and R.N. Trigiano. 2006. *Teaching Biotechnology and Molecular Biology in 8 -12 Grade Classrooms*; funded by the Tennessee Higher Education Commission, Improving Teacher Quality Grant Program; Audience: 10 High School and Middle School Science Teachers (impacted 1,250 students); Duration: 3 days; Location: Nashville State Community College, Nashville, TN.
3. **Ownley, B.H.**, and R.N. Trigiano. 2006. *Teaching Biotechnology and Molecular Biology in 8 -12 Grade Classrooms*; funded by the Tennessee Higher Education Commission, Improving Teacher Quality Grant Program; Audience: 23 High School and Middle School Science Teachers (impacted 2,875 students); Duration: 3 days; Location: The University of Tennessee, Knoxville.
4. Trigiano, R.N., and **B.H. Ownley**. 2004. *Biotechnology and Molecular Biology*; funded by the Tennessee Higher Education Commission, Improving Teacher Quality Grant Program; Audience: 25 High School Science Teachers (impacted 3,000 students); Duration: 3 days; Location: The University of Tennessee, Knoxville.

**In-service educational training for middle and high school teachers in Genetics/ Diversity/ Biotechnology**

1. **Ownley, B.H.** 2007. In-service training on *Genetics and Diversity* for 5<sup>th</sup> grade teachers, Campbell County (impacted 47 students); invited and funded by the East Tennessee Science Partnership; Duration: 2 hours; Location: Caryville, TN.
2. **Ownley, B.H.**, and R.N. Trigiano. 2007. In-service training on *Genetics and Diversity* for 6<sup>th</sup> and 8<sup>th</sup> grade teachers, Fentress County (impacted 297 students); invited and funded by the East Tennessee Science Partnership; Duration: 2 hours; Location: Allardt, TN.
3. **Ownley, B.H.** 2006. In-service training on *Genetics and Diversity* for 7<sup>th</sup> and 8<sup>th</sup> grade teachers, Johnson County Middle School (impacted 361 students); invited and funded by the East Tennessee Science Partnership; Duration: 2 hours; Location: Mountain City, TN.
4. **Ownley, B.H.**, and R.N. Trigiano. 2006. *Biotechnology, Genetics and Aquaculture Institute*; for 13 middle and high school teachers and administrators, Johnson County (impacted 1,625 students); invited and funded by the East Tennessee Science Partnership and Johnson County School District; Duration: 3 days; Location: Mountain City, TN.

**Invited educational workshops for middle and high school teachers on the topics of Biotechnology, Genetics, or Molecular Biology presented at national or regional professional society meetings**

1. Trigiano, R.N., and **B.H. Ownley**. 2005. *Biotechnology / Genetics Workshop*; invited and funded by the National Science Teachers Association, Southern Area Convention; Audience: 40 High School Science Teachers (impacted 5,000 students); Duration: 1 day; Location: Nashville, TN.
2. Trigiano, R.N., and **B.H. Ownley**. 2003. *DNA Isolation from Gram-negative Bacteria and Tissue Culture Propagation of Roses*. Firsthand demonstration and lecture; invited and funded by the Tennessee Academy of Science and Tennessee Science Teachers Association; Audience: 40 High School Science Teachers (impacted 5,000 students); Duration: 1 day; Location: Nashville, TN.

**Invited hands-on workshops on Biotechnology/ Genetics/ Molecular Biology for middle school teachers; funded by the East Tennessee Science Partnership**

1. Trigiano, R.N., and **B.H. Ownley**. 2005. *Genetics / Biotechnology Workshop*; invited and funded by the East Tennessee Science Partnership; Audience: 5 Middle School Teachers (impacted 250 students); 5 days; The University of Tennessee, Knoxville.
2. Trigiano, R.N., and **B.H. Ownley**. 2005. *The Debate – Pros and Cons of Genetically Modified Organisms*; invited and funded by the East Tennessee Science Partnership; Audience: 5 Middle School Teachers (impacted 250 students); Duration: 2 days; Location: The University of Tennessee, Knoxville.
3. Trigiano, R.N., and **B.H. Ownley**. 2005. *Biotechnology – Genetically Modified Organisms*; invited and funded by the East Tennessee Science Partnership; Audience: 5 Middle School Teachers (impacted 250 students); Duration: 2 days; Location: The University of Tennessee, Knoxville.

**Invited, funded workshops for the Tennessee Governor’s School in Agricultural Sciences (TGSAS) for gifted pre-college students, The University of Tennessee, Martin**

1. **Ownley, B.H.**, and R.N. Trigiano. 2005. *DNA Detectives*; Audience: 30 High School Students; Duration: 4 days.
2. Trigiano, R.N., and **B.H. Ownley**. 2004. *DNA Detectives*; Audience: 32 High School Students; Duration: 4 days.

**Invited, funded workshops for the Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR-UP), a program for at risk high school students**

1. Trigiano, R.N., and **B.H. Ownley**. 2005. *Biotechnology in Agriculture*; Audience: 23 high school students; Duration: 5 days; Location: The University of Tennessee, Knoxville, TN.
2. Trigiano, R.N., and **B.H. Ownley** 2004. *Biotechnology*; Audience: 25 high school students; Duration: 5 days; Location: The University of Tennessee, Knoxville, TN.

**Gadget Girls – hands-on STEM educational activity for middle school girls (4<sup>th</sup> grade – 8<sup>th</sup> grade)**

1. Director of the Gadget Girls program and participated as an instructor with four sessions on DNA, April 12, 2014; 114 student participants.
2. Served as Director (organized and coordinated UT faculty, staff, and student volunteers) for Gadget Girls and participated as an instructor with four sessions on DNA, November 17, 2012: 75 student participants.
3. Participated as a faculty volunteer with four sessions on DNA, April 9, 2010; 150 students participated.

**aGIRLculture - girls STEM summer camp focused on research challenges for the 21st Century (10-12<sup>th</sup> grade). Funded project USDA**

1. Presented sessions on plant pathology, Jul 19-22, 2016; 50 students participated.

**Undergraduate Summer Research Internship Programs**

1. Taught molecular biology techniques to undergraduate summer interns in a Bioinformatics, Genetics, and Genomics (BiGG) summer Research and Extension Experience for Undergraduates (REEU) in summer 2021-2023.
2. Hosted two undergraduate science interns for 10 weeks in summer 2019. The students worked on identification of hemp diseases.
3. Hosted two undergraduate science interns for 10 weeks in summer 2018. The students worked on microbial biostimulants to increase plant growth and yield.
4. Hosted two undergraduate science interns for 8 weeks in summer 2016. The students worked

on antimicrobial activity of extracts of *Panicum virgatum* (switchgrass, a biofuels crop).

### High School Summer Research Interns

1. Hosted three high school science interns for 12 weeks in summer 2014. The students worked on identification of *Fusarium* species isolated from *Panicum virgatum* (switchgrass, a biofuels crop).

### Theses/Dissertations Directed (16 M.S. students, 5 Ph.D. students)

1. **Turner, Kate** (co-advised with Dr. Zach Hansen). Ph.D. Student. Expected graduation 2026.
2. **Ouma, Wilson**. Ph.D. Student. Expected graduation 2024.
3. **Yerukala, Shalini**. 2019. Endophytic *Beauveria bassiana*: A tool for comprehensive plant protection Ph.D. Dissertation. The University of Tennessee, Knoxville. 411 pp.
4. **Collins, Tamara**. 2017. Identification, characterization, and genetic comparison of *Fusarium* species isolated from switchgrass (*Panicum virgatum* L.). M.S. Thesis, University of Tennessee, Knoxville. 172 pp.
5. **Collins, Sara**. 2016. Role of *Fusarium* and *Alternaria* in seedling disease and biomass yield of the biofuel crop *Panicum virgatum*. M.S. Thesis, University of Tennessee, Knoxville.
6. **Bruce, Alexander**. 2016. Switchgrass extractives have potential as a value-added antimicrobial against plant pathogens and foodborne pathogens. M.S. Thesis, University of Tennessee, Knoxville. 76 pp.
7. **Fajolu, Oluseyi**. 2012. Characterization of *Bipolaris* species, their effects on switchgrass biomass yield and chemical components. Ph.D. Dissertation. The University of Tennessee, Knoxville. 150 pp.
8. **Mixon, Jonathan** (co-advised with Dr. Steve Bost). 2012. Prevalence of copper resistance among foliar bacterial pathogens of tomato in Tennessee. M.S. Thesis. The University of Tennessee, Knoxville. 74 pp.
9. **Vu, Andrea**. 2011. Identifying pathogens of switchgrass and investigating anti-microbial activity of switchgrass-derived extractives. M.S. Thesis. The University of Tennessee, Knoxville. 82 pp.
10. **Griffin, Mary Ruth**. 2007. *Beauveria bassiana*, a cotton endophyte with biocontrol activity against seedling disease. Ph.D. Dissertation. The University of Tennessee, Knoxville. 164 pp.
11. **Breeden, Thomas S**. 2005. Brassica mulches and meal control fungal wheat pathogens *in vitro* and take-all disease in soil. M.S. Thesis. The University of Tennessee, Knoxville, 73 pp.
12. **Leckie, Brian M**. 2002. Effects of orally administered *Beauveria bassiana* mycelia and metabolites on *Helicoverpa zea*; and detection of endophytic *B. bassiana* in tomato plants using ITS Primers. M.S. Thesis. The University of Tennessee, Knoxville, 77 pp.
13. **Seth (Carley), Danéscha S**. 2001. Effect of inoculum, cultivar, and the biological control fungus *Beauveria bassiana* on damping-off caused by *Rhizoctonia solani* on tomato. M.S. Thesis. The University of Tennessee, Knoxville, 71 pp.
14. **Hamilton, Choo Y**. 2000. Chemical and biological control of Pythium root rot of tobacco seedlings. M.S. Thesis. The University of Tennessee, Knoxville, 84 pp.
15. **Bishop, Dennis G**. 1999. Assessing the growth promoting characteristics, and effectiveness of selected bacteria and the entomopathogenic fungus, *Beauveria bassiana*, in the control of *Rhizoctonia solani* on tomato. M.S. Thesis. The University of Tennessee, Knoxville, 127 pp.
16. **Clark, Bendik L**. 1998. Evaluation and characterization of bacterial seed treatments for biological control of take-all of wheat. M.S. Thesis. The University of Tennessee, Knoxville, 105 pp.
17. **Follis, Jay E**. 1997. Effect of cultural practices on incidence and severity of sudden death syndrome and yield of soybean, and soybean cyst nematode population density and fungal

- infection. M.S. Thesis. The University of Tennessee, Knoxville, 88 pp.
18. **Smith (Moore), Patrice N.** 1997. Biological control of *Rhizoctonia solani* on tomato. M.S. Thesis. The University of Tennessee, Knoxville, 67 pp.
  19. **McMahan, Joseph P.** 1996. Biological control of target spot and sore shin of tobacco seedlings with biological seed treatments and foliar sprays. M.S. Thesis. The University of Tennessee, Knoxville, 76 pp.
  20. **Reeder, Robert B.** 1996. Nontarget effects and persistence of introduced antibiotic-producing fluorescent pseudomonads on selected wheat rhizosphere bacteria in two cropping sequences and two simulated tillage practices. M.S. Thesis. The University of Tennessee, Knoxville, 112 pp.
  21. **Ashby, Robert L., Jr.** 1995. Biological and chemical controls of target spot of float-grown dark fire-cured tobacco seedlings. M.S. Thesis. The University of Tennessee, Knoxville, 93 pp.

### **Thesis/Dissertation Committee Activities**

Served as major advisor for 21 graduate students (5 Ph.D. and 16 M.S. students) and served on the advisory committees of 56 more students (36 M.S. and 20 Ph.D. students). EPP participated in an interdepartmental Ph.D. program (Plants, Soil, and Insects) from 2003-2016, and developed its own Ph.D. program (Entomology, Plant Pathology, and Nematology) in 2015.

Note: Department designations are the following.

EPP = Entomology and Plant Pathology

EPPN = Entomology, Plant Pathology, and Nematology

ESM = Evaluation, Statistics, and Measurement (Institute for Assessment and Evaluation)

FST = Food Science and Technology

OHLD = Ornamental Horticulture and Landscape Design

PSS = Plant and Soil Sciences

PSLS = Plant Sciences and Landscape Systems

PS = Plant Sciences

T&P-TE = Theory & Practice in Teacher Education

GST = Genome, Science and Technology

PSS and OHLD were merged in 2001 to become PSLs. In 2003, the PSLs name was changed to PS.

<b>Student</b>	<b>Department</b>	<b>Degree</b>	<b>Role</b>	<b>Year</b>
Kate Turner	EPP	Ph.D.	Co-Chair	Current
Ouma, Wilson	EPP	Ph.D.	Chair	Current
Lenardo Ashe	EPP	M.S.	Member	Current
Caitlin Dalton	PS	M.S.	Member	2024
James Littrell	PS	Ph.D.	Member	2024
Shelly Pate	EPP	Ph.D.	Member	2024
Hollabaugh, Kassie	EPP	Ph.D.	Member	2023
Pavlovic, Zaklina	EPP	Ph.D.	Member	2023
Hollabaugh, Kassie	EPP	M.S.	Member	2022
Ryan Kuster	EPP	Ph.D.	Member	2022
Shelly Pate	EPP	M.S.	Member	2020
Tim Siegenthaler	EPP	M.S.	Member	2020
Tara Rickman	EPP	M.S.	Member	2020
Aruna Dhanapal	FS	M.S.	Member	2019
Melody Fagan	FS	M.S.	Member	2019

Shalini Yerukala	EPPN	Ph.D.	Chair	2019
Amy Michael	EPP	M.S.	Member	2018
Keagan Swilling	PS	M.S.	Member	2018
Tyler Edwards	EPP	M.S.	Member	2018
Tamara Collins	EPP	M.S.	Chair	2018
Jesse Benelli	PS (PSI)	Ph.D.	Member	2016
Carl Yoder	PS	M.S.	Member	2016
Sara Collins	EPP	M.S.	Chair	2016
Alexander Bruce	EPP	M.S.	Chair	2016
Kristie Mantooh	EPP	M.S.	Member	2016
Utsala Shrestha	PS (PSI)	Ph.D.	Member	2016
David Yates	EPP (PSI)	Ph.D.	Member	2016
Kimberly Whitlock	EPP	M.S.	Member	2014
Deborah Dean	EPP (PSI)	Ph.D.	Member	2014
Grant McCarty	PS	M.S.	Member	2012
Smith, Haley	EPP	M.S.	Member	2012
Oluseyi Fajolu	EPP (PSI)	Ph.D.	Chair	2012
Wanjing Liu	EPP	M.S.	Member	2012
Mary Rogers	PS (PSI)	Ph.D.	Member	2012
Pamela Bishop	ESM	Ph.D.	Member	2012
Sandesh Shrestha	EPP	M.S.	Member	2012
Jonathan Mixon	EPP	M.S.	Co-Chair	2012
Marei Abdelkarim	EPP	M.S.	Member	2012
Daniel Gobena	GST	Ph.D.	Member	2012
Andrea Vu	EPP	M.S.	Chair	2011
Richard Gualandi, Jr.	PS	M.S.	Member	2010
Denita Hadziabdic (Guerry)	EPP (PSI)	Ph.D.	Member	2010
Brian M. Leckie	PS	Ph.D.	Member	2008
Oscar Hurtado-Gonzales	EPP (PSI)	Ph.D.	Member	2008
Ryan Donahoo	EPP (PSI)	Ph.D.	Member	2008
Martha Malapi-Nelson	EPP	M.S.	Member	2008
Carolyn Reilly Sheehan	T&P-TE	M.S.	Member	2008
Mary Ruth Griffin	EPP (PSI)	Ph.D.	Chair	2007
Coesha Fairley	FST	Ph.D.	Member	2007
Miranda Marshall (Clark)	EPP	M.S.	Member	2006
Sharon Greene	EPP	M.S.	Member	2005
Thomas Breeden	EPP	M.S.	Chair	2005
Wesley Powell	PS	M.S.	Member	2005
Keun Ho Cho	PS	M.S.	Member	2004
Craig Charron	PSLS	Ph.D.	Member	2003
Martin Lyons	PSLS	Ph.D.	Member	2003
Brian M. Leckie	EPP	M.S.	Chair	2002
Stephanie Harvey	PSLS	Ph.D.	Member	2002
Shannon James	EPP	M.S.	Member	2001
Elena Kubikova	OHLD	M.S.	Member	2001
Danesha G. Seth (Carley)	EPP	M.S.	Chair	2001

Choo Y. Hamilton	EPP	M.S.	Chair	2000
Audrey Taro	EPP	M.S.	Member	2000
Dennis G. Bishop	EPP	M.S.	Chair	1999
Jeanese Reiss	EPP	M.S.	Member	1999
Katrina Burns	EPP	M.S.	Member	1999
Bendik L. Clark	EPP	M.S.	Chair	1998
Robert Klein	EPP	M.S.	Member	1997
Patrice N. Smith (Moore)	EPP	M.S.	Chair	1997
Jean Batzer	EPP	M.S.	Member	1997
Jay E. Follis	EPP	M.S.	Chair	1997
Leigh Ann Lisle	EPP	M.S.	Member	1997
Joseph P. McMahan	EPP	M.S.	Chair	1996
Robert B. Reeder	EPP	M.S.	Chair	1996
Malissa Howard	EPP	M.S.	Member	1996
Craig Green	OHL D	M.S.	Member	1996
Amy MacKenzie	OHL D	M.S.	Member	1995
Robert L. Ashby, Jr.	EPP	M.S.	Chair	1995

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**Post-doctoral Research Associates Directed or Co-directed.**

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2020-22	Dr. Shalini Yerukala
2018-21	Dr. Utsala Shrestha Piya (co-directed with Dr. David Butler)
1993-94	Dr. Thomas Michaels

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## RESEARCH, SCHOLARSHIP AND CREATIVE ACTIVITIES

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### Hatch Projects (See Hatch Projects related to Regional Projects below)

- 2020-24 TEN1024067. K.D. Gwinn, E.C. Bernard, and B.H. Ownley. Biopesticide potential and efficacy in controlling pathogens and pests of hemp.
- 2008-13 TEN00376. R.N. Trigiano, B.H. Ownley. Woody ornamental plant breeding, biotechnology, and pathology.
- 2003-09 TEN00295. K. Gwinn, S. Hamilton, B. Ownley, E. Bernard. Bioactive plants as sources of disease and weed control
- 2003-06 TEN2003-04852 (Funded USDA-SRIPM competitive grant). C. Canaday, B. Ownley, G. Lentz, K. Gwinn. Stacking biological seed treatments in an IPM program for control of soilborne pathogens and insect pests of tomato and bedding plants.
- 2002-06 TEN002002-02116 (Funded USDA-NRI competitive grant). B.H. Ownley, W.E. Klingeman, N.B. Quigley. *Beauveria bassiana*, a dual biocontrol against plant pathogens and insect pests.
- 2002-05 TEN00257. J.B. Wills, D. Coffey, B. Ownley, G. Honea, B. Pitt, B. Smith. Tennessee Vegetable Initiative.
- 1997-01 TEN00169. B.H. Ownley. Biological control of soilborne pathogens and insect pests of tomato.
- 1994-97 TEN00080. B.H. Ownley, T. Starman. Biological control of *Rhizoctonia* diseases of solanaceous greenhouse bedding plants.
- 1993-96 TEN9300629. B.H. Ownley. (Funded USDA-NRI competitive grant) Impact of antibiotic-producing pseudomonads on nontarget soil bacteria.

### Regional Projects

- 2006-12 S-1028 (Hatch Project TEN00342). Ecological and genetic diversity of soilborne pathogens and indigenous microflora
- 2005-06 SDC-315 (Approval for rewrite of S-302). Ecological and genetic diversity of soilborne pathogens and indigenous microflora
- 2001-05 S-302 (Hatch Project TEN00236). Biological control of soilborne plant pathogens for sustainable agriculture
- 2000-01 DC99-05 (Approval for rewrite of S-269). Biological control and management of soilborne plant pathogens for sustainable crop production
- 1995-00 S-269 (Hatch Project TEN00118). Biological control and management of soilborne plant pathogens for sustainable crop production

### State Projects

- 2000-04 TEN00101-S. Biological and cultural control of diseases in tobacco.

### Publications (\* indicates graduate student or technical staff supervised by B.H. Ownley)

#### **Journal Articles – peer reviewed, refereed**

1. Shrestha, U., M.E. Dee\*, J.J. Littrell, J.H. Rice, W. Ouma\*, **B.H. Ownley**, and D.M. Butler. 2024. First report of root rot of strawberry caused by *Fusarium cugenangense*, a member of the *F. oxysporum* species complex, in Tennessee, U.S.A. [Plant Disease 108\(7\), 2238](#)
2. Shrestha, U., **B.H. Ownley**, J.J. Littrell, J.H. Rice, and D.M. Butler. 2024. Optimizing strawberry crop health: A synergistic strategy of crop rotation with cover crops and anaerobic soil disinfestation for enhanced management of black root rot pathogens. [Scientia Horticulturae 337: 113504](#)

3. Littrell, J.J.Y., **B.H. Ownley**, and D.M. Butler. 2024. Unraveling the interplay: Soil biogeochemical factors shaping the efficacy of anaerobic soil disinfestation in suppressing fusarium root rot of strawberry. [Phytopathology 114\(8\): 1782-1790](#)
4. Metzcar, C., L. Gutierrez, **B.H. Ownley**, J.G. Johnson, M. Wakim, X.P. Xe, and T. Wang. 2023. Synthesis and evaluation of antimicrobial biobased waxes as coating materials. [American Chemical Society Applied Bio Materials 6\(6\): 2248–2256](#)
5. Shrestha, U., M.E. Dee, **B.H. Ownley**, and D.M. Butler. 2023. First report of strawberry black root rot caused by *Globisporangium sylvaticum* in Tennessee, USA. [Plant Disease 107\(9\): 2890.](#)
6. Yerukala, S., E.C. Bernard, K.D. Gwinn, D.M. Butler, P.S. Grewal, and **B.H. Ownley**. 2022. Colonization efficacy of the endophytic insect-pathogenic fungus, *Beauveria bassiana*, across the plant kingdom: A meta-analysis. [Critical Reviews in Plant Sciences 41 \(4\): 241-270.](#)
7. Camfield, E., A. Bowman, J. Choi, K. Gwinn, N. Labbe, K. Rajan, **B. Ownley**, N. Moustaid-Moussa, and D.H. D'Souza. 2022. Switchgrass extractives to mitigate *Escherichia coli* O157:H7 and *Salmonella enterica* serovar Typhimurium contamination of romaine lettuce. [Journal of Food Science 87 \(8\): 3620-3631](#)
8. Swilling, K.J., U. Shrestha, **B.H. Ownley**, K.D. Gwinn, D.M. Butler. 2022. Volatile fatty acid concentration, soil pH and soil texture during anaerobic soil conditions affects germination of sclerotia of *Athelia (Sclerotium) rolfsii*. [European Journal of Plant Pathology 162: 149-161](#)
9. Choi, J.M., E. Camfield, A. Bowman, K. Rajan, N. Labbé, K.D. Gwinn, **B.H. Ownley**, N. Moustaid-Moussa, and D.H. D'Souza. 2021. Value-added switchgrass extractives for reduction of *Escherichia coli* O157:H7 and *Salmonella* Typhimurium populations on Formica Coupons. [Food Microbiology 95: 103674.](#)
10. Gwinn, K.D., Z.R. Hansen, H.M. Kelly, and **B.H. Ownley**. 2021. Diseases of *Cannabis sativa* caused by diverse *Fusarium* species. [Frontiers in Agronomy 3:796062.](#)
11. Shrestha, U., **B.H. Ownley**, A. Bruce\*, E.N. Roskopf, and D.M. Butler. 2021. Anaerobic soil disinfestation efficacy against *Fusarium oxysporum* is affected by soil temperature, amendment type, rate, and C:N ratio. [Phytopathology 111: 1380-1392.](#)
12. Swilling, K.J., U. Shrestha, **B.H. Ownley**, K.D. Gwinn, and D.M. Butler. 2021. Mechanisms of anaerobic soil disinfestation: Volatile fatty acids reduce viability of *Athelia (Sclerotium) rolfsii* sclerotia in acidic soil conditions and have limited effects on endemic *Trichoderma* spp. [Frontiers in Sustainable Food Systems, 5:441.](#)
13. Yerukala\*, S., E.C. Bernard, K.D. Gwinn, D.M. Butler, P.S. Grewal, and **B.H. Ownley**. 2021. Endophytic *Beauveria bassiana* increases galling of Rutgers tomato roots with *Meloidogyne incognita*. [Journal of Nematology: 53:e2021-72.](#)
14. Edwards, T., R.N. Trigiano, **B.H. Ownley**, A.S. Windham, C.R. Wyman, P.A. Wadl, and D. Hadziabdic. 2020. Genetic diversity and conservation status of *Helianthus verticillatus*, an endangered sunflower of the Southern United States. [Frontiers in Genetics 11: 410.](#)
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1. Canaday, C.H., **B.H. Ownley**, K.D. Gwinn, C.S. Rothrock, A.P. Keinath, and K.W. Seebold. 2009. Effects of biocontrol agents versus a fungicide on growth, yield, and diseases of broccoli in west Tennessee, 2008. Plant Disease Management Reports (online). Report 3: VO52. DOI: 10.1094/PDMR03. The American Phytopathological Society, St. Paul, MN.
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16. **Ownley, B.H.**, and J.P. McMahan\*. 1997. Effect of cultural conditions and application time on biocontrol of *Rhizoctonia* on tobacco by *Bacillus* BA55, 1995. *Biological and Cultural Tests for Control of Plant Diseases* 12:39.
17. **Ownley, B.H.**, and R.B. Reeder\*. 1995. Field evaluation of several pseudomonads and bacilli for biological control of take-all wheat, 1994. *Biological and Cultural Tests for Control of Plant Diseases* 10:123.

### Invited Book Chapters

1. **Ownley, B.H.**, and D.M. Benson. 2016. Soilborne plant pathogens. Pages 249-276 in: *Plant Pathology: Concepts and Laboratory Exercises*. Third Edition. B.H. Ownley and R.N. Trigiano, eds., Taylor and Francis, CRC Press, Boca Rotan, FL.
2. Trigiano, R.N., and **B.H. Ownley**. 2016. Laboratory skills: safety and preparation of culture media and solutions. Pages 23-32 in: *Plant Pathology: Concepts and Laboratory Exercises*. Third Edition. B.H. Ownley and R.N. Trigiano, eds., Taylor and Francis, CRC Press, Boca Rotan, FL.
3. Trigiano, R.N., and **B.H. Ownley**. 2016. Identifying obligate, biotrophic fungi (and hosts) using the sequence of the internal transcribed spacer (ITS) region. Pages 483-494 in: *Plant Pathology: Concepts and Laboratory Exercises*. Third Edition. B.H. Ownley and R.N. Trigiano, eds., Taylor and Francis, CRC Press, Boca Rotan, FL.
4. **Ownley, B.H.**, and M.R. Griffin\*. 2012. Dual biological control of insect pests and plant pathogens with fungi in the order Hypocreales, Pages 133-152 in: *Biocontrol: Management, Processes, and Challenges*, S. K. Brar, ed., Nova Science Publishers, Inc. Hauppauge NY.
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#### **Books**

1. **B.H. Ownley** and R.N. Trigiano, eds. 2016. *Plant Pathology: Concepts and Laboratory Exercises*. Third Edition. Taylor and Francis, CRC Press, Boca Rotan, FL. 579 pp.

#### **Bulletins, reports, circulars, pamphlets, factsheets, Extension publications**

1. Drinnon, D., J. McCord, K. Goddard, J. Walton, **B.H. Ownley**, S.W. Jackson, G.N. Rhodes, and D.D. Tyler. 2014. Guidebook for the sustainable production practices of switchgrass in the southeastern U.S.
2. **Ownley, B.H.** 2013. Significance of plant diseases in the biofuels arena. Southern Partnership for Integrated Biomass Supply Systems (IBSS). Extension factsheet, 9/20/2013.

#### **Tennessee Agricultural Experiment Station (TAES) Special Research Reports**

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2. **Ownley, B.H.**, and J. Mixon\*. 2010. Natural alternatives for disease control. Proceedings: Organic Crops Field Tour. East Tennessee Research and Education Center, Organic Crops Unit, UT AgResearch, Knoxville, TN.
3. **Ownley, B.H.**, D. Seth\*, C. Hamilton\*, and M. Dee\*. 2002. Effects of plant-growth-promoting rhizobacteria on biomass, flowering, and yield of field tomatoes, 2001, KES. Pages 153-156 in: 2001 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-02.
4. Seth\*, D., and **B.H. Ownley**. 2002. Evaluation of tomato cultivars for susceptibility to Rhizoctonia damping-off, 2001, KES. Pages 162-166 in: 2001 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-02.
5. Canaday, C.H., and **B.H. Ownley**. 2002. Effects of snap bean cultivars, seed treatment chemicals, and *Bacillus subtilis* on snap bean seedling diseases, growth, and yield. Pages 16-23 in 2001 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-02.
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  8. Pereira, R., B. Leckie, and **B.H. Ownley**. 2001. Use of metalized reflective UV silver plastic mulch for insect control in tomato production, Knoxville Plant Science Farm, 2000. Pages 191-195 in: 2000 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-01.
  9. Pereira, R., and **B. Ownley**. 2001. Development of biologically-based integrated pest management systems for production of tomatoes in the field. Pages 163-167 in: 2000 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-01.
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  11. **Ownley, B.H.**, B. Hed\*, M.M. Dee\*, D. Bishop\*, C. Hamilton\*. 1999. Effect of time between glyphosate application and yield of no-till tomatoes. Pages 223-225 in: 1998 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-99.
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  14. **Ownley, B.H.**, J.E. Follis\*, M.M. Dee\*, D.G. Bishop\*, M. Dever, P.L. Lambdin, and N. Fair. 1998. Effects of biodegradable and non-degradable agricultural mulch plastic films on populations of plant pathogenic fungi in cabbage, pepper, and tomato. Pages 305-308 in: 1997 Vegetable Initiative Progress Rpt., Univ. of Tennessee Pub. No. E11-6515-01-001-98.
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  20. Cook, R.J. and **B.H. Ownley**. 1991. Wheat root diseases. Integrated Crop Management for

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#### Popular Press, trade, UTIA Magazine or newsletter articles

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2. **Ownley, B.H.**, and P.N. Smith\*. 1998. Using nature's way to control a common disease. Tennessee AgriScience 186:21-25.
3. **Ownley, B.H.**, M.M. Dee\*, J.E. Follis\*, and D.G. Bishop\*. 1998. Do biological seed treatments affect tomato yield? Tennessee AgriScience 186:22.
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5. **Ownley, B.H.** 1998. To till or not to till. Tennessee AgriScience 186:23.
6. **Ownley, B.H.** 1998. Colored plastic mulches, tomatoes, and plant pathogens. Tennessee AgriScience 186:25.
7. Dever, M., P.L. Lambdin, and **B.H. Ownley**. 1998. Biodegradable plastic mulch: an option in vegetable production? Tennessee AgriScience 186:16.

#### Articles Published in Conference Proceedings

1. Shrestha, U., **B.H. Ownley**, J.H. Rice, R.J. Vichich, and D.M. Butler. 2020. Susceptibility of *Rhizoctonia solani* and *Fusarium oxysporum* to volatile fatty acids. Proceedings of the Annual International Research Conf. on Methyl Bromide Alternatives, pp. 8-1 to 8-3.
2. Shrestha, U., M.E. Dee\*, **B.H. Ownley**, and D.M. Butler. 2016. Interaction of anaerobic soil disinfestation and introduced biocontrol agents on *Sclerotium rolfsii*. Proceedings of the Annual International Research Conf. on Methyl Bromide Alternatives and Emiss, pp. 19-1 to 19-4.
3. Dean, D, T.A. Rinehart, W.E. Klingeman, **B.H. Ownley**, D. Hadziabdic, P.A. Wadl, and R.N. Trigiano. 2015. Wide cross transferability of SSR loci from three *Viburnum* species. The Plant & Animal Genome XXIII Conf., San Diego, CA.
4. Shrestha, U., **B.H. Ownley**, E.N. Roskopf, and D.M. Butler. 2015. Amendment carbon rate and C:N ratio impacts the effectiveness of anaerobic soil disinfestation. Proceedings of the Annual International Research Conf. on Methyl Bromide Alternatives and Emiss, pp. 10-1 to 10-3.
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6. Shrestha, U., A. Bruce, **B.H. Ownley**, and D.M. Butler. 2014. Optimizing amendment C: N ratio for *Fusarium oxysporum* f. sp. *lycopersici* suppression under anaerobic soil disinfestation. Proceedings of the Annual International Research Conf. on Methyl Bromide Alternatives and Emiss, pp. 53-1 to 53-3.
7. McDonald, D.W., E.C. Bernard, **B. Ownley**, R.B. Michaels, and D. Weaver. 2013. Nematode susceptibility rankings from soft-tissue X-ray imaging. Proceedings Beltwide Cotton Conf. <http://ncc.confex.com/ncc/2013/webprogram/Paper14577.html>
8. **Ownley, B.H.**, O.L. Fajolu\*, A.L. Vu\*, K.L. Mantooth\*, M.M. Dee\*, K. D. Gwinn, P.A. Wadl, R.N. Trigiano. 2013. Stand establishment and biomass yield of switchgrass impacted by several soil- and seed-borne fungal plant pathogens. Sun Grant Initiative - 2012 National Conf. Science for Biomass Feedstock Production and Utilization, Oct 2-5, New Orleans, LA. ([http://sungrant.tennessee.edu/NR/rdonlyres/DOA5701F-E268-43A9-B312-DACBDBA937B0/3675/33Fajolu\\_Oliseyl.pdf](http://sungrant.tennessee.edu/NR/rdonlyres/DOA5701F-E268-43A9-B312-DACBDBA937B0/3675/33Fajolu_Oliseyl.pdf)).

9. Shrestha, U., **B.H. Ownley**, E.N. Roskopf, M.E. Dee\*, and David M. Butler. 2013. Optimization of amendment C: N ratio in anaerobic soil disinfestation for control of *Sclerotium rolfsii*. Annual International Research Conf. on Methyl Bromide Alternatives and Emissions Reductions, pp. 14-1 to 14-3.
10. Butler, D.M., S. Eichler Inwood, D.G. McCarty, C.E. Sams, A.L. Wszelaki, M.E. Dee\*, **B.H. Ownley**, N. Kokalis-Burelle, and E.N. Roskopf. 2012. Optimizing anaerobic soil disinfestation for Tennessee. Proceedings of the Annual International Research Conf. on Methyl Bromide Alternatives and Emissions, pp. 13-1 to 13-3.
11. Li, Y., M.T. Windham, R.N. Trigiano, A.S. Windham, **B.H. Ownley**, K.D. Gwinn, J.M. Zale, and J. Spiers. 2009. Rust diseases of ornamental grasses. Proc. S. Nurs. Assoc. Res. Conf. 54:81-82.
12. Gwinn, K.D., **B.H. Ownley**, and S.E. Greene. 2007. Impact of Monarda herbage on growth of rooted cuttings. Proc. S. Nurs. Assoc. Res. Conf. 52:293-296.
13. Hadziabdic, D., X. Wang, R.N. Trigiano, B.M. Fitzpatrick, **B.H. Ownley**, M.T. Windham, T.A. Rinehart, and Q. Xiang. 2007. Genetic diversity of flowering dogwood (*Cornus florida* L.) in the southeastern United States. Proc. S. Nurs. Assoc. Res. Conf. 52:334-338.
14. Gwinn, K.D., S. Greene, D. J. Trently, **B.H. Ownley**, and S.L. Hamilton. 2003. *Monarda*: A new control strategy. Proc. S. Nurs. Assoc. Res. Conf. 48:208-211.
15. Canaday, C.H., and **B.H. Ownley**. 2001. Effects of seed treatment chemicals and root colonization by *Bacillus subtilis* and subsequent effects on snap bean seedling diseases, growth, and yield. Proceedings of the Joint Regional Biological Control Conf., Biocontrol in a New Millennium: Building for the Future on Past Experience, D. Huber, ed. Estes Park, CO. Oct 26-29, 2000. pp. 31-35.
16. Elliott, M., E. Des Jardin, W. Batson, Jr., J. Caceres, P. Brannen, C. Howell, M. Benson, K. Conway, C. Rothrock, R. Schneider, **B. Ownley**, A. Keinath, D. Huber, D. Summer, C. Molsenbocker, P. Thaxton, M. Cubeta, P. Adams, P. Backman, J. Fajardo, M. Newman, and R. Pereira. 2001. Tracking biological control agents on cotton seed from delivery to planting. Proceedings of the Joint Regional Biological Control Conf., Biocontrol in a New Millennium: Building for the Future on Past Experience. D. Huber, ed. Estes Park, CO, Oct 26-29, 2000. pp. 65-74.
17. Batson, Jr., W.E., J. Caceres, M. Benson, P.M. Brannen, M.A. Cubeta, K. Conway, M.L. Elliott, J. Fajardo, D.M. Huber, A.P. Keinath, M. Newman, **B. Ownley**, C.S. Rothrock, R.W. Schneider, C.E. Molsenbocker, D.R. Sumner, P. Thaxton, and P. Dugger. 1999. Efficacy of biological agents as seed treatments for cotton stand establishment. Proceedings Beltwide Cotton Production Research Conf., National Cotton Council, Memphis, TN. Vol. 1:103-104.
18. Dever, M., N. Fair, **B.H. Ownley**, and P.L. Lambdin. 1997. A systems approach to evaluate agricultural mulch films. Proceedings of the Third International Symposium on Consumer Environmental Issues: Safety, Health, Chemicals, and Textiles in the Near Environment, St. Petersburg, FL.

#### **Presentations at Professional Meetings (published Abstracts)**

1. Dalton, C., Shrestha, U., **B.H. Ownley**, and D.M. Butler. 2023. Role of local *Trichoderma* spp. isolates in reducing tomato fusarium wilt and increasing phosphorus uptake. HortScience, 58: S253. American Society for Horticultural-Science Annual Meeting, Jul 31-Aug 04, Orlando, FL.
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87. Hadžiabdic, D., B.M. Fitzpatrick, X. Wang, P.A. Wadl, T.A. Rinehart, **B.H. Ownley**, M.T. Windham, and R.N. Trigiano. 2010. Fine scale genetic structure of flowering dogwood in the Great Smoky Mountains National Park. *Phytopathology* 100: S45.
88. Hadžiabdic, D., B.M. Fitzpatrick, X. Wang, P.A. Wadl, T.A. Rinehart, **B.H. Ownley**, M.T. Windham, and R.N. Trigiano. 2010. Genetic diversity of flowering dogwood maintained despite massive mortality caused by dogwood anthracnose. *HortScience* 45: S148.
89. Vu\*, A.L., M.M. Dee\*, T. Russell\*, O.L. Fajolu\*, K.D. Gwinn, J. Zale, and **B.H. Ownley**. 2010. Survey of diseases of agronomic switchgrass in Tennessee. *Phytopathology* 100: S131.
90. Li, Y., M. Windham, R. Trigiano, A. Windham, **B. Ownley**, K. Gwinn, J. Zale, and J. Spiers. 2009. Cultivar-specific interactions between switchgrass and *Puccinia emaculata*. *Phytopathology* 99: S72.
91. Malapi-Nelson, M., **B. Ownley**, K. Gwinn, and M. Hajimorad. 2008. Mixed infection of *Alfalfa mosaic virus* and *Soybean mosaic virus* in soybeans results in disease synergism. *Phytopathology* 98: S96.
92. **Ownley, B.H.**, M.M. Dee\*, and K.D. Gwinn. 2008. Effect of conidial seed treatment rate of entomopathogenic *Beauveria bassiana* 11-98 on endophytic colonization of tomato seedlings and control of Rhizoctonia disease. *Phytopathology* 98: S118. (Presenter)
93. Gwinn, K.D. and **B.H. Ownley**. 2008. Inhibition of *Rhizoctonia solani* by essential oils found in *Monarda* herbage. *Phytopathology* 98: S149.
94. Fairley, C.A., P. Perkins, P.M. Davidson, **B.H. Ownley**, and D.A. Golden. 2007. *Aspergillus flavus* and *Penicillium* spp. associated with musty off-flavors in navy beans (*Phaseolus vulgaris*). International Association for Food Protection, Orlando, FL, Jul 8-11, #P5-61.
95. Gwinn, K.D., S.E. Greene, and **B.H. Ownley**. 2007. *Monarda* bioactive herbage reduces *Rhizoctonia* disease losses in tomato transplants. *Phytopathology* 97: S44.
96. **Ownley, B.H.**, M.R. Griffin\*, W.E. Klingeman, K.D. Gwinn, J.K. Moulton, and R.M. Pereira. 2007. *Beauveria bassiana*: endophytic colonization and plant disease control. Pages 63-64 in: 40<sup>th</sup> Annual Meeting of the Society for Invertebrate Pathology and 1<sup>st</sup> International forum on Entomopathogenic Nematodes and Symbiotic Bacteria, Aug 12-16, Quebec City, Quebec, Canada. [http://www.sipweb.org/Meeting\\_Abstacts/2007abstracts.pdf](http://www.sipweb.org/Meeting_Abstacts/2007abstracts.pdf) (Presenter)

97. Powell, W.A., W.E. Klingeman, **B.H. Ownley**, K.D. Gwinn, M. Dee\*, and P.C. Flanagan. 2007. Endophytic *Beauveria bassiana* in tomatoes yields mycosis in tomato fruitworm larvae. HortScience 42:933.
98. Griffin\*, M.R., **B.H. Ownley**, W.E. Klingeman, and R.M. Pereira. 2006. Evidence of induced systemic resistance with *Beauveria bassiana* against *Xanthomonas* in cotton. Phytopathology 96: S42.
99. Clark, M.M., K.D. Gwinn, and **B.H. Ownley**. 2006. Biological control of *Pythium myriotylum*. Phytopathology 96: S25.
100. Clark, M.M., K.D. Gwinn, and **B.H. Ownley**. 2006. *Monarda* as a biological control method for *Pythium myriotylum*. Phytopathology 96: S73.
101. Gwinn, K.D., S.E. Greene, D.J. Trently, and **B.H. Ownley**. 2006. Inhibition of sclerotia of *Sclerotinia sclerotiorum* by *Monarda* and its essential oils constituents. Phytopathology 96: S44.
102. Griffin\*, M.R., **B.H. Ownley**, W.E. Klingeman, and R.M. Pereira. 2005. Biocontrol of Rhizoctonia damping-off of cotton with endophytic *Beauveria bassiana*. Phytopathology 95: S36.
103. **Ownley, B.H.**, T.S. Breeden\*, D. West, and C. Sams. 2005. Take-all of wheat is reduced by incorporating *Brassica juncea* mulch into soil infested with *Gaeumannomyces graminis* var. tritici. Phytopathology 95: S78. (Presenter)
104. Gwinn, K., S. Greene, **B. Ownley**, J. Wills, Jr., and G. Honea. 2005. Bioactive natural products and selected biopesticides for control of Pythium disease in hydroponically-grown tomatoes. Phytopathology 95: S38.
105. Gwinn, K. S. Greene, **B. Ownley**, J. Wills, Jr., and G. Honea. 2005. Integration of biopesticides for control of Pythium disease in hydroponically-grown greenhouse tomatoes. Phytopathology 95: S38.
106. Breeden\*, T.S., **B.H. Ownley**, D.R. West, and C.E. Sams. 2003. *Brassica juncea* inhibits soilborne pathogens. Phytopathology 93: S11.
107. Pickens, K., D.R. West, **B.H. Ownley**, and C.E. Sams. 2003. *Brassica* crops inhibit *Fusarium graminearum* and *F. equiseti* in culture. Southern Branch Am. Soc. Agron. Abs of Tech papers, p. 24.
108. Breeden\*, T.S., **B.H. Ownley**, D.R. West, and C.E. Sams. 2002. Growth of *Gaeumannomyces graminis* var. tritici is inhibited by *Brassica* spp. mulches. Phytopathology 92: S9.
109. Breeden\*, T.S., D.R. West, **B.H. Ownley**, and C.E. Sams. 2002. Brassica species inhibit take-all fungus of wheat. Agronomy Abstracts.
110. Greene, S.E., K.D. Gwinn, D.J. Trently, S.L. Hamilton, and **B.H. Ownley**. 2002. *Monarda didyma* and control of damping off of tomato. Phytopathology 92: S31.
111. **Ownley, B.H.**, and B.K. Duffy. 2002. Identifying and manipulating soil factors that influence biocontrol. Phytopathology 92: S98. (Presenter)
112. **Ownley, B.H.**, and C.Y. Hamilton\*. 2001. Control of Pythium root rot of float-grown tobacco seedlings with chitosan. Phytopathology 91: S202. (Presenter)
113. Seth\*, D., **B.H. Ownley**, R. Pereira, and C.H. Canaday. 2001. Effect of application method and inoculum form of *Beauveria bassiana* on Rhizoctonia damping-off in tomato. Phytopathology 91: S81.
114. Seth\*, D., and **B.H. Ownley**. 2001. Effect of inoculum type of *Rhizoctonia solani* and cultivar on damping-off of tomato. Phytopathology 91: S203.
115. **Ownley, B.H.**, D.G. Bishop\*, and R.M. Pereira. 2000. Biocontrol of Rhizoctonia damping-off of tomato with *Beauveria bassiana*. Phytopathology 90: S58. (Presenter)
116. Slaughter\*, L., and **B.H. Ownley**. 1999. Effects of tillage, row-spacing, and cultivars on microbial

parasites of the soybean cyst nematode as it relates to sudden death syndrome of soybeans. Countdown 2:20.

117. **Ownley, B.H.**, and B.L. Clark\*. 1998. Impact of carriers on efficacy and survival in storage of seed-applied bacterial biocontrol agents. 7<sup>th</sup> International Congress of Plant Pathology Offered Papers Abstracts Vol. 3, p. 5.2.29, Aug 9-16, Edinburgh, Scotland (Presenter)
118. Smith\*, P.N., and **B.H. Ownley**. 1997. Seed treatment of tomato for biological control of Rhizoctonia diseases. Minorities in Agriculture, Natural Resources and Related Science annual meeting, Apr 3-5, Baton Rouge, LA.
119. Follis\*, J.E., **B.H. Ownley**, and M.A. Newman. 1997. Effect of cultural practices and cultivar on sudden death syndrome of soybean. Proceedings of the 5<sup>th</sup> Annual Southern Soybean Conf., Feb 11-13, Myrtle Beach, SC.
120. Follis\*, J.E., **B.H. Ownley**, and M.A. Newman. 1997. Effect of tillage, row spacing, and genetic resistance on sudden death syndrome of soybean. Phytopathology 87: S112.
121. Dever, M., P.L. Lambdin, and **B.H. Ownley**. 1996. Comparison of biodegradable, non-biodegradable, and infrared transmitting agricultural films on growth parameters of vegetable crops in Tennessee. Bio/Environ. Degradable Polymer Society, Sept 24, Nashville, TN.
122. Reeder\*, R.B., and **B.H. Ownley**. 1996. Persistence and nontarget effects of introduced antibiotic-producing pseudomonads are affected by tillage, cropping sequence, and cropping cycle. 8th International Congress on Molecular Plant-Microbe Interactions Abstract Book. p. D-12.
123. Dee\*, M.M., N.B. Quigley, and **B.H. Ownley**. 1995. Micro-dilution plating technique for assessing population counts of microorganisms. Phytopathology 85:1204.
124. Clark\*, B.L., R.B. Reeder\*, and **B.H. Ownley**. 1995. Evaluation of *Bacillus* and *Pseudomonas* isolates from Tennessee soil for biological control of take-all. Phytopathology 85:1191.
125. McMahan\*, J.P., and **B.H. Ownley**. 1995. Effect of growth medium and pathogen introduction time on biocontrol by *Bacillus* sp. BA55 against *T. cucumeris* on tobacco. Phytopathology 85:1166.
126. Reeder\*, R.B., and **B.H. Ownley**. 1995. Nontarget effects of antibiotic-producing pseudomonads in wheat-soybean and wheat-fallow cropping sequences. Phytopathology 85:1136.
127. Ashby\*, Jr., R.L., and **B.H. Ownley**. 1994. Development of a leaf disk assay to prescreen bacteria for biological control of target spot on tobacco. Phytopathology 84:1125-1126.
128. Michaels\*, T.J., **B.H. Ownley**, K.D. Johnson, and R.B. Reeder\*. 1994. Establishment of a long-term monitoring system for Rhododendron dieback in the Great Smoky Mountains National Park. Phytopathology 84:1143.
129. Michaels\*, T.J., **B.H. Ownley**, K.D. Johnson, and R.B. Reeder\*. 1994. Development of a long-term monitoring system for dieback of *Rhododendron maximum* in the Great Smoky Mountains National Park. Absts. 19th Annual Meeting on Scientific Research, GSMNP. USDI/NPS, Sci. Publ. Off., Atlanta, GA. 26 pp.
130. Reeder\*, R.B., and **B.H. Ownley**. 1994. Influence of temperature on production of hydrogen cyanide and 2,4-diacetylphloroglucinol, and on inhibition of *Gaeumannomyces graminis* var. *tritici* by *Pseudomonas aureofaciens* Q2-87. Phytopathology 84:1114.
131. Ashby\*, Jr., R.L., **B.H. Ownley**, B.B. Reddick, and D.O. Onks. 1993. Biological and chemical control of target spot of float-grown tobacco seedlings. Phytopathology 83:1392.
132. Cook, R.J., **B.H. Ownley**, and P.E. Rasmussen. 1992. Nitrates left in the soil profile after harvest of wheat and barley relate to severity of root diseases. Phytopathology 82:1113.
133. **Ownley, B.H.**, B.K. Duffy, and D.M. Weller. 1992. Association of soil factors with biological

- control of take-all by *Trichoderma koningii*. *Phytopathology* 82:1120. (Presenter)
134. **Ownley, B.H.**, D.M. Weller, and J.R. Alldredge. 1990. Influence of soil edaphic factors on suppression of take-all by *Pseudomonas fluorescens* 2-79. *Phytopathology* 80:995. (Presenter)
  135. **Ownley, B.H.**, D.M. Weller, and J.R. Alldredge. 1990. Relation of soil chemical and physical factors with suppression of take-all by *Pseudomonas fluorescens* 2-79. Page 86 in: The Second International Workshop on Plant Growth-Promoting Rhizobacteria, Oct 14-19, Interlaken, Switzerland. G. Défago, ed. Institut fur Pflanzenwissenschaften, Zurich. 130 pp.
  136. **Ownley, B.H.**, D.M. Weller, and L.S. Thomashow. 1989. Effects of soil pH on suppression of take-all by *Pseudomonas fluorescens* 2-79. *Phytopathology* 79:1159. (Presenter)
  137. **Ownley, B.H.**, D.M. Benson, and T.E. Bilderback. 1988. Physical properties of pine bark media and relation to severity of Phytophthora root rot of rhododendron. *Phytopathology* 78:1569. (Presenter)
  138. **Gintis, B. Ownley**, and D.M. Benson. 1987. Biological control of Phytophthora root rot of azalea with *Penicillium janthinellum*. *Phytopathology* 77:1688. (Presenter)
  139. **Gintis, B. Ownley**, and D.M. Benson. 1986. Matric potential relations in container mixes of pine bark and suppression of Phytophthora root rot of *Rhododendron* sp. *Phytopathology* 76:1072. (Presenter)
  140. Rodriguez-Kabana, R., G. Morgan-Jones, and **B. Ownley Gintis**. 1984. Fungi associated with several developmental stages of *Heterodera glycines* from an Alabama soybean field soil. *Phytopathology* 74:1016.
  141. **Gintis, B. Ownley**, G. Morgan-Jones, and R. Rodriguez-Kabana. 1983. Fungi associated with several developmental stages of *Heterodera glycines* in Alabama soil. *J. Nematol.* 15:487. (Presenter)
  142. **Gintis, B. Ownley**, G. Morgan-Jones, and R. Rodriguez-Kabana. 1982. Fungal colonization of young cysts of *Heterodera glycines* in soybean field soil. *J. Nematol.* 14:464. (Presenter)

#### **Presentations at Professional Meetings (Presented without Published Abstracts)**

1. **Ownley, B.** (presenter), and M. Dee. 2018. Effect of rate and application timing of commercial biostimulants on plant growth and yield of organically grown field tomatoes. Oct 1-2, 6th Plant Genomics & Gene Editing Congress: USA/ 3rd Partnerships in Biocontrol, Biostimulants, & Microbiome. Philadelphia, PA.
2. Yerukala, S. and **B. Ownley**. 2018. Comprehensive meta-analysis of endophytic, entomopathogenic *Beauveria bassiana* to cause insect mortality. Nov 11-14, Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia Joint Annual Meeting, Vancouver, BC, Canada.
3. Michael, A., **B. Ownley**, G. Wiggins, S. Stewart, and J. Grant. 2018. Murderous mycelia mollify *Megacopta cribraria*. Nov 11-14, Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia Joint Annual Meeting, Vancouver, BC, Canada.
4. Michael, A., S. Stewart, G.J. Wiggins, **B. Ownley**, and J.F. Grant. 2018. Monsters inside them: natural enemies of kudzu bug in east Tennessee. Southeastern Branch of the Entomological Society of America meeting, Mar 3-7, Orlando, FL.
5. **Ownley, B. H.** 2017. Growing, improving, and harvesting the feedstock. The Great Experiment Conf., March 13-14, Knoxville, TN. (Presenter)

6. Yerukala\*, S., **B. Ownley**, P. Grewal. 2015. Endophytic entomopathogenic fungus *Beauveria bassiana*: A tool for comprehensive plant protection. Entomological Society of America annual meeting, November 14-18, Minneapolis, MN. (Invited talk)
7. Collins\*, S.B., M.M. Dee, and **B.H. Ownley**. 2014. Pathogenicity and virulence of *Fusarium* species isolated from commercial switchgrass seed. Southeastern Partnership for Integrated Biomass Supply Systems (IBSS) Annual Conf. Knoxville, TN, Oct 8-10.
8. Rogers, M.R., **B.H. Ownley**, P. Avery, A. Wszelaki, J. Jurat-Fuentes, and D. Butler. 2012. Impact of biopesticides on feeding and mortality of adult spotted cucumber beetle (*Diabrotica undecimpunctata howardi*) in laboratory assays. Annual Meeting of the Entomological Society of America. Knoxville, TN, Nov 11-14.
9. Griffin\*, M.R., **B.H. Ownley**, W.E. Klingeman, K.D. Gwinn, and J.K. Moulton. 2008. Evidence for endophytic activity of *Beauveria bassiana* in cotton. The Allegheny Branch of American Society of Microbiology, Annual Meeting, Lewisburg, PA, Nov 15-16.
10. Johnson, D.H., X. Wang, B.M. Fitzpatrick, T.A. Rinehart, **B.H. Ownley**, and R.N. Trigiano. 2008. Genetic diversity of flowering dogwood (*Cornus florida* L.) in the southeastern United States using microsatellites. Society for the Study of Evolution. Minneapolis, MN, Jun 24.
11. Powell, W., W.E. Klingeman, **B. Ownley**, K. Gwinn, and P.C. Flanagan. 2007. Tomatoes with endophytic *Beauveria bassiana* yield mycosis in tomato fruitworm larvae. Southeastern Branch Entomological Society of America, Knoxville, TN, Mar 5-7.
12. Pereira, R.M., **B.H. Ownley**, and T.A. Richey. 1998. Compatibility of biological control agents of soilborne plant pathogens and entomopathogenic fungi. Joint Annual Mtg Entomological Society of America and American Phytopathological Society, Las Vegas, NV, Nov 8-12.

#### Invited Presentations

1. **Ownley, B. H.** 2017 (Invited). STRIDE for the Future Workshop. American Phytopathological Society Annual meeting, Committee for Diversity and Equality, Aug 5-9, San Antonio, TX.
2. **Ownley, B.H.**, and S. Collins\*. 2016. Soilborne plant pathogens and switchgrass – Disease resistance and other control strategies. Southeastern Partnership for Integrated Biomass Supply Systems (IBSS) Annual Conf., Jul 28-29, Knoxville, TN.
3. **Ownley, B.H.** 2014. Faculty recruitment and retention for diversity and excellence - S.T.R.I.D.E at UT. Annual meeting of the Entomological Society of America, Nov 16, Portland, OR.
4. **Ownley, B.H.** 2014. Sustainable feedstock production - update on plant pathogens of switchgrass. Southeastern Partnership for Integrated Biomass Supply Systems (IBSS). Oct 8-10, Knoxville, TN.
5. **Ownley, B.H.** 2013. Endophytic *Beauveria* as a plant pathogen antagonist - The Journey. Annual meeting of the Entomological Society of America, Nov 9-13, Austin, TX.
6. **Ownley, B.H.** 2013. Soil- and seedborne pathogens of switchgrass. Southeastern Partnership for Integrated Biomass Supply Systems (IBSS). Sept 25-27, Raleigh, NC.
7. **Ownley, B.H.** 2012. Soil- and seedborne pathogens of switchgrass. Southeastern Partnership for Integrated Biomass Supply Systems (IBSS), Dec 12-13, Auburn, AL.
8. **Ownley, B.H.** 2012. Soilborne and seedborne fungal plant pathogens of switchgrass. Tennessee Plant Research Center Colloquium, Sept 27, Knoxville, TN.
9. **Ownley, B.H.** 2008. *Beauveria bassiana*: endophytic colonization and plant disease control. Invited oral presentation at the Conf. on Insect Pathogenic Fungi in Sustainable Agriculture: use against insects and beyond. Conference was sponsored by the Rockefeller Foundation and was held at the Bellagio Study and Conference Center, Jun 23-27, Bellagio, Italy.

10. **Ownley, B.H.**, M.R. Griffin\*, W.E. Klingeman, K.D. Gwinn, J.K. Moulton, and R.M. Pereira. 2007. *Beauveria bassiana*: endophytic colonization and plant disease control. Society for Invertebrate Pathology Annual Meeting, Aug 12-16, Quebec City, Quebec, Canada. (Presenter)
11. **Ownley, B.H.**, R.N. Trigiano, and M.L. Bentley. 2006. Teaching Biotechnology and Molecular Biology in 8-12<sup>th</sup> Grade Classrooms. East Tennessee Science Partnership, Mar 31, Knoxville, TN. (Presenter)
12. **Ownley, B.H.** 2005. *Beauveria bassiana*: A dual purpose biological control fungus with activity against insects, pests, and plant disease fungi. University of Tennessee Honors Program, Sept. 21, Knoxville, TN.
13. **Ownley, B.H.**, and B. Duffy. 2002. Identifying and manipulating soil factors that influence biocontrol. Symposium: Creating the Right Environment for Biological Control. American Phytopathological Society Annual Meeting, Jul 27-31, Milwaukee, WI. (Presenter)
14. **Ownley, B.H.** 1994. Help Wanted: Expeditious plant pathogen permitting for nematodes. Discussion session held at the American Phytopathological Society Annual Meeting, Aug 6-10, Albuquerque, NM.
15. **Ownley, B.H.** 1993. Invited seminar: Biological control of take-all root disease of wheat. Center for Legume Research, The University of Tennessee.
16. **Ownley, B.H.** 1991. Association of soil factors with suppression of take-all by *Pseudomonas fluorescens* 2-79. Plant Sciences Department, Macdonald Campus of McGill University, Ste. Anne Bellevue, Quebec, Canada.
17. **Ownley, B.H.** 1990. Influence of soil factors on biocontrol activity of fluorescent pseudomonads. Weed Science Biological Control Group, U.S. Dept. of Agriculture, Agricultural Research Service, Land Management and Water Conservation Research Unit, Pullman, WA.
18. **Ownley, B.H.** 1990. Relation of soil factors with biocontrol of take-all by antibiotic-producing, fluorescent pseudomonads. Department of Plant Pathology, Washington State Univ., Pullman, WA.
19. **Ownley, B.H.** 1990. Physical and biological approaches to control of Phytophthora root rot of woody ornamentals. Department of Plant Pathology, Washington State University, Pullman, WA.

#### Field Day Presentations

1. **Ownley, B.H.** 2017. Microbe-containing biostimulants and biofertilizers. Organic Crops Field Tour, East Tennessee Research and Education Center, Aug 26, Knoxville, TN.
2. **Ownley, B.H.** 2016. Stevia – a potential specialty crop. Organic Crops Field Tour, East Tennessee Research and Education Center, Apr 29, Knoxville, TN.
3. Gwinn, K.D., and **B.H. Ownley**. 2011. The quest for disease resistance in heirloom tomatoes. Organic Crops Field Tour, East Tennessee Research and Education Center, Apr 28, Knoxville, TN.
4. **Ownley, B.H.** 2010. Natural alternatives for disease control. Organic Crops Field Tour, East Tennessee Research and Education Center, Apr 29, Knoxville, TN.
5. **Ownley, B.H.** 1999. Wheat root diseases. Middle Tennessee Expt. Station Small Grains Field Day.
6. **Ownley, B.H.** 1997. Tomato root diseases. Knoxville Experiment Station Vegetable Field Day.
7. Lambdin, P.L., M. Dever, and **B.H. Ownley**. 1997. Biodegradable plastics in agriculture. Knoxville Experiment Station Vegetable Field Day.
8. **Ownley, B.H.** 1996. Biological disease control. Highland Rim Experiment Station Tobacco Field Day.

9. Cook, R.J. and **B.H. Ownley**. 1991. Wheat root diseases. Integrated Crop Management for Cereal/ Legume Production in the Palouse Field Day.

### Industry Presentations

1. Hajimorad, M.R., I. Tzanetakis, **B. Ownley**, M. Newman. 2009. Identification and development of diagnostic assays for the causal agent of a new virus disease of soybean. Tennessee Soybean Promotion Board Meeting, Jan 20-21, Pigeon Forge, TN.
2. **Ownley, B.H.** 2001. Management of tobacco diseases and bacteria-mediated growth promotion. U.S. Tobacco Co. Jul 20, Springfield, TN.
3. **Ownley, B.H.** 2000. Management of tobacco diseases. U.S. Tobacco Co., Sept 21, Springfield, TN.
4. **Ownley, B.H.** 1999. Management of tobacco diseases. U.S. Tobacco Co., Jul 27, Springfield, TN.
5. **Ownley, B.H.** 1998. Management of tobacco diseases. U.S. Tobacco Co., Jul 28, Springfield, TN.
6. **Ownley, B.H.** 1997. Management of target spot and sore shin of float-grown tobacco seedlings. U.S. Tobacco Co., Springfield, TN.
7. **Ownley, B.H.**, and J.P. McMahan\*. 1996. Management of diseases in float-grown tobacco seedlings. U.S. Tobacco Co., Springfield, TN. (Presenter)
8. **Ownley, B.H.**, R.L. Ashby\*, Jr., and J.P. McMahan\*. 1995. Management of diseases in float-grown tobacco seedlings. U.S. Tobacco Co., Springfield, TN. (Presenter)
9. **Ownley, B.H.** 1994. Biological and chemical control of target spot of tobacco. U.S. Tobacco Co., Springfield, TN.
10. **Ownley, B.H.**, R.L. Ashby\*, Jr., and B.B. Reddick. 1993. Biological and chemical control strategies for target spot of tobacco. U.S. Tobacco Co., Springfield, TN. (Presenter)

### Workshop Presentations - Research

1. **Ownley, B.H.** 2010. Disease ID and reduced input management. Sustainable and organic vegetable management. Organic Crops Unit, East Tennessee Research and Education Center, Aug 19, Knoxville, TN.
2. **Ownley, B.H.**, and S. Bost. 2010. Disease management: Molds, mildews, and blights, Oh my! Organic Crop Production Workshop Series for Growers and Agriculture Professionals, Jun 14, Knoxville, TN. (Presenter)
3. **Ownley, B.H.**, and D.M. Benson. 1986. Influence of container environment on disease development. Fourth Woody Ornamentals Workshop, Crossnore, NC. (Presenter)

### Regional Research Committee Presentations

1. **Ownley, B.H.** 2007. *Beauveria bassiana*: endophytic colonization and plant disease control. Regional Project S-1028 Annual Mtg., Nov 3-4, Lexington, KY.
2. Canaday, C.H. and **B.H. Ownley**. 2002. Effects of planting date, seed treatment fungicides, and *Bacillus subtilis* on the incidence of seedling diseases, plant growth, and snap bean yield. Southern Regional Project S-302 Annual Mtg, Nov 16-17, Raleigh, NC.
3. **Ownley, B.H.** 2002. Beneficial effects of *Beauveria bassiana* on tomato. Southern Regional Project S-302 Annual Mtg, Nov 16-17, Raleigh, NC.
4. **Ownley, B.H.** 2001. Effect of plant-growth-promoting bacteria on growth, early flowering, and yield of field tomatoes. Southern Regional Project S-302 Annual Mtg, Nov 17-18, Knoxville, TN.
5. **Ownley, B.H.** 1999. Growth promotion of tomato with bacteria. Southern Regional Project S-269 Annual Mtg, Nov 7-8, Tifton, GA.
6. **Ownley, B.H.** 1998. Effect of biologicals on yield and disease of tomatoes. Southern Regional

Project S-269 Annual Mtg, Nov 6-7, Las Vegas, NV.

7. **Ownley, B.H.**, J.E. Follis\*, and M.A. Newman. 1997. Effect of cultural practices and cultivar on sudden death syndrome of soybean. Southern Regional S-269 Project Annual Mtg, Charleston, SC. (Presenter)
8. **Ownley, B.H.**, and B.L. Clark\*. 1996. Effect of sticker type and concentration, and storage time and temperature on survival of *Pseudomonas* sp. MF103 on wheat seed. Joint Regional Biocontrol Conf. and Southern Regional Project S-269 Annual Mtg, San Diego, CA. (Presenter)

#### **Research Reports Submitted to Sponsors**

1. Labbé, N., K. Gwinn, **B. Ownley**, D. D'Souza. Adding value to switchgrass biofuel production by removal and utilization of the non-structural compounds. Southeastern Sun Grant Center Quarterly Progress Report. 8/30/2019.
2. Labbé, N., K. Gwinn, **B. Ownley**, D. D'Souza. Adding value to switchgrass biofuel production by removal and utilization of the non-structural compounds. Southeastern Sun Grant Center Quarterly Progress Report. 4/22/2019.
3. Labbé, N., K. Gwinn, **B. Ownley**, D. D'Souza. Adding value to switchgrass biofuel production by removal and utilization of the non-structural compounds. Southeastern Sun Grant Center Quarterly Progress Report. 1/17/2019.
4. Labbé, N., K. Gwinn, **B. Ownley**, D. D'Souza. Adding value to switchgrass biofuel production by removal and utilization of the non-structural compounds. Southeastern Sun Grant Center Quarterly Progress Report. 10/23/2018.
5. Labbé, N., K. Gwinn, **B. Ownley**, J. Watson, D. D'Souza, D. Baker, N. Moustaid-Moussa, and R. Counce. Adding value to switchgrass biofuel production by use of the non-structural compounds. Project No. TEN02013-01261 - Final Report. USDA-NIFA-Agricultural Engineering. 08/02/2017.
6. Hensley, D. and **B.H. Ownley**. 2016. Progress Report on Chokeberry and Stevia: Two Potential Specialty Crops for Tennessee. Tennessee Dept. of Agriculture - 04/1/2016.
7. Hensley, D. and **B.H. Ownley**. 2016. Final Report on Chokeberry and Stevia: Two Potential Specialty Crops for Tennessee. Tennessee Dept. of Agriculture Tennessee Dept. of Agriculture - 10/31/2016.
8. **Ownley, B.H.** and R.N. Trigiano. 2016. Management of seedborne and soilborne pathogens in switchgrass. IBSS Quarterly Report – 02/1/2016.
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### Technological Advances

1. U.S. Patent Number 9,282,747 B2, Granted on March 15, 2016. Labbé, N., **B.H. Ownley**, K.D. Gwinn, N. Moustaid-Moussa, and D.H. D'Souza. 2013. Antimicrobial and anti-inflammatory activity of switchgrass-derived extractives.
2. Labbé, N., **B.H. Ownley**, K.D. Gwinn, N. Moustaid-Moussa, and D.H. D'Souza. 2013. Antimicrobial and anti-inflammatory activity of switchgrass-derived extractives. Application for United States Letters Patent filed 11/13/2013 as Serial No. 14/079,015.
3. Provisional patent App. No. 61/726,000 - Labbé, N., **B.H. Ownley**, K. Gwinn, N. Moustaid-Moussa, and D. D'Souza. 2012. Anti-inflammatory and antimicrobial properties of switchgrass extracts.
4. Intellectual property disclosure – Labbé, N., N. Moustaid-Moussa, D. D'Souza, **B.H. Ownley**, K.D. Gwinn. 2012. Anti-inflammatory properties of switchgrass extracts.
5. Intellectual property disclosure – Labbé, N., **B.H. Ownley**, K.D. Gwinn, D. D'Souza, N. Moustaid-Moussa. 2012. Switchgrass extracts against animal and plant pathogens.
6. Intellectual property disclosure – Trigiano, R.N., **B.H. Ownley**. 2006. Food dye kit for illustrating the principles of gel electrophoresis and DNA fingerprinting.

7. Intellectual property disclosure PD06056 - **Ownley, B.H.**, R.M. Pereira. 2005. Use of *Beauveria bassiana* as a seed treatment for protection of plants against soilborne plant pathogens, heat stress, and damage by chewing insects.

## **GRANTS, CONTRACTS, GIFTS, SERVICE STIPENDS FOR RESEARCH (FEDERAL, STATE, INDUSTRY, FOUNDATIONS, UT KNOXVILLE, UT INSTITUTE OF AGRICULTURE)**

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### **In Progress or Completed**

1. Butler, D., and **B. Ownley**. 2023. Impact of residue biochemical quality on soil disinfestation. USDA - ARS. 09/01/23 – 08/31/2028. **\$457,876**.
2. Butler, D., and **B. Ownley**. 2022. Optimizing anaerobic/biological soil disinfestation amendment composition through soil fermentation experiments. Southern Region SARE - Graduate Student Grant. 09/01/2022 - 08/31/2024. **\$21,900**.
3. Gill, T., and **B. Ownley**. 2021. Certified biofertilizers based on arbuscular mycorrhizal fungi. USDA-Foreign Agricultural Service. 01/01/2021 - 03/31/2024. **\$60,000**.
4. Gill, T., and **B. Ownley**. 2021. Plant growth promoting fungi for crop improvement: Bio-prospecting for biofertilizers and biopesticides; Developing a certification system for biofertilizers and biopesticides. USDA-Foreign Agricultural Service. 01/01/2021 - 03/31/2024. **\$60,000**.
5. **Ownley, B.H.** 2023. Faculty Senate. Provost Office. **\$5,000**.
6. **Ownley, B.H.** 2021. S.T.R.I.D.E., Provost Office. **\$3,000**.
7. **Ownley, B.H.** 2021. S.T.R.I.D.E., Provost Office. **\$3,200**.
8. **Ownley, B.H.** 2021 Soilborne Diseases Gift Fund. **\$4,000**.
9. **Ownley, B.H.** 2021 Soilborne Diseases Gift Fund. **\$4,000**.
10. Butler, D., and **B. Ownley**. 2021. Interactive effects of volatile fatty acids and Fe<sup>2+</sup> and Mn<sup>2+</sup> in suppressing *Fusarium oxysporum* implicated in black root rot complex of strawberry. Southern Region Small Fruit Consortium. 3/01/2021 - 2/28/2022. **\$7,250**.
11. **Ownley, B.H.** 2020 Soilborne Diseases Gift Fund. **\$4,000**.
12. Jagadamma, S., D. Saha, **B. Ownley**, and S. Smith. 2020. Designing farmer's goal-oriented organic grain rotations to optimize agronomic, economic, and ecological outcomes In Tennessee. USDA, NIFA, AFRI. 10/2020 – 9/2023. **\$498,165**.
13. **Ownley, B.H.** 2020. Soilborne Diseases Gift Fund. **\$2,500**.
14. Butler, D., **B. Ownley**, T. Hewezi. 2019. Enhancing indigenous soil microflora to facilitate organic strawberry transition in the southeastern US. USDA, NIFA, ICGP, Organic Transitions. 9/2019 - 8/2024. **\$496,738**.
15. Gwinn, K., **B. Ownley**, J. Donaldson, D. Hadziabdic, A. Leal, M. Staton, C. Stephens, R. Trout Fryxell, S. Emrich, and S. Lebeis. 2019. BiGG FACTS on One Health: plant and animal agriculture systems to train the next generation of women bioinformatics, genetics, and genome scientists. USDA, NIFA, AFRI, EWD. 10/1/2019 - 9/30/2024. **\$475,895**.
16. **Ownley, B.H.** 2019. Soilborne Diseases Gift Fund. **\$1,900**.
17. Labbé, N., **B. Ownley**, K. Gwinn, D. D'Souza. 2018. Adding value to switchgrass biofuel production by removal and utilization of the non-structural compounds: Switchgrass extractives to decrease foodborne illness risk from contaminated lettuce USDA-CSREES, Southeastern Sun Grant Center. 6/2018-5/2019. **\$48,000**.
18. **Ownley, B.H.** 2018. Soilborne Diseases Gift Fund. **\$2,000**.
19. **Ownley, B.H.** 2017. Soilborne Diseases Gift Fund. **\$2,000**.

20. Shennan, C., J. Muramoto, M. Mazzola, O. Daugovish, R. Goodhue, D. Butler, N. Peres, F. Louws, A. Haffa, E. Roskopf, M. Fairbairn, **B. Ownley**, and J. Hong. Integrating anaerobic soil disinfestation, crop rotation, and variety for disease management in strawberry production. USDA-NIFA SCRI. 2017-2021. **\$2,512,040**. (\$200,000 to UTIA).
21. Hadziabdic, D., W. Klingeman, **B. Ownley**, and R. Trigiano. Collaborative project: Food Security in Ghana. UTIA International Seed Grant. 2017-2018. **\$4,000**.
22. Hadziabdic, D., **B. Ownley**, W. Klingeman. Teaching a Grant Writing Workshop at the University of Ghana, Accra, Ghana. 2017. USAID-BHEARD 2017-2018. **\$6,000**.
23. Kleinhenz, M., S. Kumarappan, **B. Ownley**. Preparing growers to obtain beneficial returns on their investments in microbe-containing biostimulants and biofertilizers during and after transitional-organic vegetable production. USDA-OREI. 9/1/2016 – 8/31/2020. **\$499,415**.
24. **Ownley, B.H.** 2016 Soilborne Diseases Gift Fund. **\$2,000**.
25. Duncan, L., J. Logan, **B. Ownley**, F. Critzer, J. L. Edwards, L. Muller, S. Jean-Phillippe, K. Gwinn, J. DeBruyn, D. Hadziabdic Guerry, C. Stephens, M. Prada, D. D'Souza, A. Wszelaki, M. Velandia, A. Ludwig, R. Trout Fryxell, E. Willcox, H. Kelly, K. Jones, E. Gall. K. Lewis, N. Bumgarner, C. Buschermohle. Fostering aGIRLculture: a girls STEM camp solving the Grand Challenges of the 21st Century. USDA-NIFA-WAMS. 10/01/2015 – 09/30/2016. **\$65,391**.
26. **Ownley, B.H.** and R.N. Trigiano. Funding from Southeastern Partnership for Integrated Biomass Supply Systems (caps grant from USDA-NIFA-AFRI) for one graduate student stipend, tuition, travel, and research supplies to support work on diseases of switchgrass. 08/01/2015 – 07/31/2016. **\$58,224**.
27. Hadziabdic, D., **B. Ownley**, M. Staton. Discovery of host defense mechanisms to stop the spread of thousand cankers disease complex. University of Tennessee Innovation Seed Money. (2015 - 2017) **\$20,000**.
28. Butler, D., and **B. Ownley**. Assessment of beneficial microorganisms: Trichoderma, Actinomycetes, and Bacillus in anaerobic soil disinfestation (ASD). University of Georgia Southern Region SARE Program - Graduate Student Program. (Graduate student award to Utsala Shrestha). 10/01/2014 - 09/30/2015. **\$10,993**.
29. Butler, D., and **B. Ownley**. On-farm demonstrations of anaerobic soil disinfestation (ASD) for management of soil-inhabiting pests and pathogens. USDA-ARS Southern Plains Agricultural Research Center. 08/31/2014 - 07/31/2019. **\$85,000**.
30. **Ownley, B.H.** and R.N. Trigiano. Funding from Southeastern Partnership for Integrated Biomass Supply Systems (caps grant from USDA-NIFA-AFRI) for one graduate student stipend, tuition, travel, and research supplies to support work on diseases of switchgrass. 06/01/2014 – 07/31/2015. **\$44,727**.
31. **Ownley, B.H.** Travel award from UTIA AgResearch to present a paper at a professional meeting with abstract. 06/04/2014. **\$1,500**.
32. **Ownley, B.H.** 2014. Soilborne Diseases Gift Fund. **\$1,500**.
33. **Ownley, B.H.**, and R.N. Trigiano. Soilborne and seedborne pathogens of switchgrass. Southeastern Partnership for Integrated Biomass Supply Systems. USDA-AFRI. 06/01/2013 – 07/31/2014, **\$44,727**.
34. **Ownley, B.H.**, B. Brown. Efficacy of chemical seed treatments for control of Fusarium graminearum and other fungal pathogens of wheat. Chemtura, Inc. 11/10/2013 - 09/01/2014. **\$7,000**.
35. **Ownley, B.H.** Travel award from UTIA AgResearch to present a paper at a professional meeting with abstract. 03/26/2013. **\$1,500**.

36. **Ownley, B.H.** 2013. Soilborne Diseases Gift Account. **\$1,800.**
37. **Ownley, B.H.** 2013. Soilborne Diseases Gift Account. **\$2,500.**
38. Hensley, D., **B. Ownley**, D. Lockwood. 2013. Chokeberry and Stevia: Two potential specialty crops for Tennessee. **\$24,584.**
39. Labbé, N., D. Baker, **B. Ownley**, K. Gwinn, D. D'Souza, and N. Moustaid-Moussa. 2013. Adding value to switchgrass biofuel production by use of the non-structural compounds. USDA-AFRI. **\$489,954.**
40. Labbé, N., K. Gwinn, **B. Ownley**, D. D'Souza, R. Gonzalez, N. Moustaid-Moussa 2013. Adding value to switchgrass biofuel production by removal and utilization of the non-structural compounds. Southeastern Regional Sun Grant Center. **\$135,000.**
41. **Ownley, B.H.**, N. Labbé, K. Gwinn, D. D'Souza, and N. Moustaid-Moussa. 2012. Development of switchgrass extractives as a value-added biopesticide. UTRF Annual Maturation Fund. **\$15,000.**
42. **Ownley, B.H.** 2012. Soilborne Diseases Gift Account. **\$2,500.**
43. **Ownley, B.H.**, and R.N. Trigiano. 2012. Soilborne and seedborne pathogens of switchgrass. Southeastern Partnership for Integrated Biomass Supply Systems. USDA-AFRI. **\$74,540.**
44. Butler, D., **B. Ownley**, A. Wszelaki, M. Velandia, W. Hitch, and sub-contract to USDA-ARS, Fort Pierce, FL (E.N. Roskopf, N.K. Burelle, J. Hong, J. Albano, J. Narciso, J. Jones, F. Sances, and J. Ivey). 2012. Overcoming obstacles to adoption of anaerobic soil disinfestation. USDA-NIFA. **\$421,084.**
45. Bernard, E. and **B.H. Ownley**. 2012 Consulting services involving reniform nematode and fungal pathogens of cotton. Phenotype Screening Corporation. **\$5,000.**
46. **Ownley, B.H.**, R.N. Trigiano, K.D. Gwinn, and P. Wadl. 2011. Toward development of disease resistant varieties of switchgrass. UTIA SunGrant Center. **\$52,423.**
47. **Ownley, B.H.** 2011. Soilborne Diseases Gift Account. **\$2,000.**
48. Bernard, E.C. and **B. H. Ownley**. 2011. Consulting services involving root-knot nematode and fungal pathogens. Phenotype Screening Corporation through grant from Cotton, Inc. **\$4,655.**
49. Gwinn, K.D., D. Butler, E.C. Bernard, D. Deyton, D. Kopsell, **B.H. Ownley**, and C. Sams. 2010. Characterization of tomato rootstocks and grafted tomatoes to improve disease resistance and fruit quality. UTIA AgResearch and Extension Innovation Fund. **\$50,000.**
50. Lockwood, D.W., D.D. Hensley, **B.H. Ownley**, and R.N. Trigiano. 2011. Olives and truffles: two potential specialty crops for Tennessee. Tennessee Department of Agriculture, Market Development. **\$25,000.**
51. Gwinn, K.D., **B.H. Ownley**, and R.D. Miller. 2010. Relationship(s) between altered nitrogen metabolism and low TSNA – Year 2. PM-International, **\$47,272.**
52. Labbé, N., N. Moustaid-Moussa, D. D'Souza, **B. Ownley**, K. Gwinn, and P. Filson. 2010. Extractives in switchgrass: an inhibitor for biofuels production or/and a source of value added products? UT AgResearch and Extension Innovation Fund. **\$25,000.**
53. Gwinn, K.D. and **B.H. Ownley**. 2010. Mycorrhizae for increased wheat production in rotations with grain sorghum, an allelopathic crop. UT AgResearch and Extension Innovation Fund **\$14,000.**
54. Hajimorad, R, I. Tzanetakis, **B. Ownley**, and M. Newman. 2010. Identification and development of diagnostic assays for the causal agent of a new virus disease of soybean. Tennessee Soybean Promotion Board. **\$24,010.**
55. **Ownley, B.H.** and K.D. Gwinn. 2010. Fungal pathogens of switchgrass. UT AgResearch and Extension Innovation Fund. **\$13,874.**

56. Hajimorad, R., I. Tzanetakis, **B. Ownley**, and M. Newman. 2009. Identification and development of diagnostic assays for the causal agent of a new virus disease of soybean. Tennessee Soybean Promotion Board. **\$20,000**.
57. Gwinn, K.D., **B.H. Ownley**, and R.D. Miller. 2009. Relationship(s) between altered nitrogen metabolism and low TSNA, PM-International. **\$66,960**.
58. **Ownley, B.H.**, and K.D. Gwinn. 2007. Integration of *Beauveria bassiana* and *Trichoderma harzianum* for Control of Soilborne Pathogens in Tomato. IR-4 Biopesticide Research Program. **\$6,529**.
59. Gwinn, K.D., and **B.H. Ownley**. 2005. Pomace: Waste or Valuable Resource? Southern Region Small Fruits Consortium. **\$5,000**.
60. **Ownley, B.H.**, and R. N. Trigiano. 2005-2006. Teaching with Technology Grant. **\$13,604**.
61. Gwinn, K.D., S. Hamilton, and **B.H. Ownley**. 2005-2007. Disease and Weed Control of Commercial Greenhouse and Nursery Crops with Essential Oils of *Monarda*. Berger Peat Moss Co., Quebec, Canada. **\$321,310**.
62. **Ownley, B.H.** 2006. East Tennessee Science Partnership. **\$1,200** (Support for Biotechnology Workshops).
63. **Ownley, B.H.** and R. N. Trigiano. 2006. Johnson County School District. **\$1,471** (Support for Biotechnology Workshops).
64. **Ownley, B.H.** and R. N. Trigiano. 2006. East Tennessee Science Partnership. **\$1,261** (Support for Biotechnology Workshops).
65. **Ownley, B.H.**, R.N. Trigiano, and M.L. Bentley. 2005-2006. Teaching Biotechnology and Molecular Biology in 8-12 Grade Classrooms. Tennessee State Department of Education, Improving Teacher Quality. **\$74,936**.
66. **Ownley, B.H.**, W.E. Klingeman, and N.B. Quigley. 2002-2006. *Beauveria bassiana*, a Dual Biocontrol against Plant Pathogens and Insect Pests. USDA, CSREES, NRI Competitive Grants Program. **\$201,500**.
67. Canaday, C.H., **B.H. Ownley**, G.L. Lentz, K.D. Gwinn, M.L. Elliott, T.K. Broschat, C.M. Mannion, and D.M. Benson. 2003-2006. Stacking biological seed treatments in an IPM program for control of soilborne pathogens and insect pests of tomato and bedding plants. USDA-CSREES, Regional Integrated Pest Management Competitive Grants Program. **\$89,313**.
68. **Ownley, B.H.** R.N. Trigiano, M.T. Windham, A.S. Windham, and P.L. Lambdin. 2004. Wireless Instructional Initiatives for Teaching in Entomology and Plant Pathology. Educational Technology and Innovative Technology Center, The University of Tennessee, Knoxville. Computer hardware and software valued at **\$70,000**.
69. **Ownley, B.H.** 2004. Integrated strategies for management of *Pythium* in tobacco seedlings. Crompton Corp. **\$2,000**.
70. Gwinn, K.D., **B.H. Ownley**, and K. Tiller. 2003. Bioactive Natural Products: A feasible method of organic disease management in float bed production systems U.S. Southern Region Sustainable Agriculture Research and Education Program. **\$19,738**.
71. **Ownley, B.H.** 2003. Management of *Rhizoctonia* in tobacco seedlings. Crompton Corp. **\$1,000**.
72. **Ownley, B.H.** 2003. Management of *Sclerotinia* and *Pythium* in tobacco seedlings. Crompton Corp. **\$2,500**.
73. Hamilton, S., K. Gwinn, and **B. Ownley**. 2002. Disease control of commercial greenhouse crops with antifungal essential oils of *Monarda*. The Fred C. Gloeckner Foundation, Inc. **\$12,000**.

74. Mathew, A., **B. Ownley**, and R. Gerhardt. 2002. Risks associated with enrofloxacin use in cattle with close proximity to vegetable and orchard plots. Food Safety Center of Excellence, UTK. **\$40,000.**
75. **Ownley, B.H.** 2002. Management of Sclerotinia and Rhizoctonia in tobacco seedlings. Uniroyal. **\$3,000.**
76. **Ownley, B.H.** 2002. Management of Pythium in tobacco seedlings. Uniroyal. **\$2,000.**
77. **Ownley, B.H.** 2002. Management of diseases and bacteria-mediated growth promotion in tobacco seedlings. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$3,000.**
78. **Ownley, B.H.** 2002. Effect of *Beauveria bassiana* on growth and yield of field tomatoes. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$3,000.**
79. **Ownley, B.H.** 2001. Management of diseases and bacteria-mediated growth promotion in tobacco seedlings. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$12,500.**
80. **Ownley, B.H.** 2001. Management of Pythium and Rhizoctonia in tobacco seedlings. Uniroyal. **\$2,000.**
81. **Ownley, B.H.** 2001. Faculty Refresh Program for purchase of a laptop computer. The University of Tennessee. **\$1,956.**
82. **Ownley, B.H.** 2001. Effect of plant-growth-promoting rhizobacteria on early growth and yield of tomato. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$2,400.**
83. **Ownley, B.H.** 2000. Control of Pythium diseases in tobacco float beds. Uniroyal. **\$2,000.**
84. **Ownley, B.H.** 2000. Development of EPP512 and EPP514 as online courses. Second year renewal of a graduate assistantship for online course development. CASNR, UTIA. **\$12,000.**
85. **Ownley, B.H.** 2000. Management of Pythium disease in float bed tobacco production. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$12,500.**
86. **Ownley, B.H.** 2000. Participation as a mentor in The University of Tennessee Math and Science Regional Center. Projects: Effect of growth-promoting bacteria on tomato; Effects of cultivar and seed treatment on populations of *Bacillus subtilis* GB03 on snap bean roots. **\$900.**
87. **Ownley, B.H.**, and R.M. Pereira. 2000. Development of biologically-based integrated pest management systems for production of tomatoes in the field. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$6,250.**
88. **Ownley, B.H.**, and R.M. Pereira. 2000. Effect of plant-growth-promoting rhizobacteria on early growth and yield of tomato. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$500.**
89. Pereira, R.M., and **B.H. Ownley.** 2000. Use of reflective plastic mulch for control of insects in tomato production. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$600.**
90. **Ownley, B.H.** 1999. Biological control of diseases in tobacco and tomato. Gustafson Biologicals, Inc. **\$5,000.**
91. **Ownley, B.H.** 1999. Control of Pythium diseases in tobacco float beds. Uniroyal. **\$1,000.**
92. **Ownley, B.H.** 1999. Control of float bed diseases in tobacco. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$20,800.**
93. **Ownley, B.H.** 1999. Development of EPP512 and EPP514 as online courses. Graduate assistantship for online course development. CASNR, UTIA. **\$12,000.**
94. R.M. Pereira and **B.H. Ownley.** 1999. Development of biologically-based integrated pest management systems for production of tomatoes in the field. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$9,252.**
95. **Ownley, B.H.** 1998. Beneficial bacteria for control of float bed diseases in tobacco. US Tobacco

- Co. (through grant to Highland Rim Expt. Station). **\$20,800.**
96. **Ownley, B.H.**, and R.M. Pereira. 1998. Development of biologically-based integrated pest management systems for production of tomatoes in the field. Vegetable Research Initiative, Institute of Agriculture, University of Tennessee. **\$8,950.**
  97. Backman, P., W.E. Batson, Jr., K. Conway, M. Elliott, D. Huber, A.P. Keinath, **B.H. Ownley**, C.S. Rothrock, R. Schneider, D. Sumner. 1997. Evaluation of biological seed treatments to control seedling diseases of cotton and snapbean. USDA, CSREES, Southern Region Integrated Pest Management. **\$104,892.**
  98. **Ownley, B.H.** 1997. Biological control of *Rhizoctonia* diseases in tobacco. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$5,000.**
  99. **Ownley, B.H.** 1997. Participation as a mentor in The University of Tennessee Math and Science Regional Center. Project: Effect of tillage and slope on populations of soil bacteria. **\$900.**
  100. **Ownley, B.H.** 1997. Participation as a mentor in the Ronald McNair Post-Baccalaureate Achievement Program. Project: Effect of cultural practices and soybean cultivar on parasitism of the soybean cyst nematode. **\$450.**
  101. **Ownley, B.H.** 1997. Pathogens in No-Till tomatoes. UT Vegetable Initiative Program. **\$6,000.**
  102. **Ownley, B.H.** 1997. Tobacco float bed diseases. Zeneca Ag. Products. **\$1,000.**
  103. **Ownley, B.H.** 1996. Proposal for use of AES desegregation settlement funds. The University of Tennessee Institute of Agriculture. **\$11,000.**
  104. **Ownley, B.H.** 1996. Participation as a mentor in The University of Tennessee Math and Science Regional Center. Project: Effect of stickers on survival of biocontrol bacteria on wheat seed. **\$200.**
  105. **Ownley, B.H.** 1996. Participation as a mentor in the Ronald McNair Post-Baccalaureate Achievement Program. Project: Effect of introduced biocontrol bacteria on carbon metabolism patterns of rhizosphere bacteria. **\$500.**
  106. **Ownley, B.H.** 1995. The Sixth Annual Gatlinburg Symposium. The University of Tennessee Institute of Agriculture. **\$2,500.**
  107. **Ownley, B.H.** 1994. Participation as a mentor in The University of Tennessee Math and Science Regional Center. Project: Effects of introduced pseudomonads on carbon metabolism patterns of populations of indigenous pseudomonads. **\$150.**
  108. **Ownley, B.H.** 1994. Proposal for use of AES desegregation settlement funds. The University of Tennessee Institute of Agriculture. **\$20,000.**
  109. **Ownley, B.H.** 1994. Assessment of the severity and incidence of rhododendron dieback at Cerulean Knob in the Great Smoky Mountains National Park. U.S. Dept. of Interior, National Park Service. **\$900.**
  110. **Ownley, B.H.** 1994. Biological control of target spot in tobacco. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$10,000.**
  111. **Ownley, B.H.** 1994. Management of diseases in float-grown burley tobacco. Burley Stabilization Corporation. **\$25,000.**
  112. **Ownley, B.H.**, and R.B. Reeder\*. 1994. Impact of antibiotic producing biocontrol pseudomonads on nontarget soil bacteria. UTK Scholarly Activities Research Incentive Fund. **\$3,000.**
  113. **Ownley, B.H.** 1994. Participation as a mentor in the Ronald McNair Post Baccalaureate Achievement Program. Project: Screening bacteria for inhibition of *Rhizoctonia solani*. **\$300.**
  114. **Ownley, B.H.** 1993. Biological control of target spot in tobacco. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$14,500.**
  115. **Ownley, B.H.** 1993. Biotic and abiotic factors associated with Rhododendron die-back in Great

Smoky Mountains National Park. U.S. Dept. of Interior, National Park Service. **\$5,000.**

116. **Ownley, B.H.** 1993. Impact of antibiotic-producing pseudomonads on nontarget soil bacteria. USDA, CSRES, NRI Competitive Grants Program. **\$95,473.**
  117. **Ownley, B.H.** 1993. Biological control of Rhizoctonia damping-off of solanaceous bedding plants. Training implementation plan for Dr. Mohamed S.H. Moustafa El-Sindiony. Office of International Agricultural Programs. **\$3,700.**
  118. **Ownley, B.H.** 1992. Biological control of target spot in tobacco. US Tobacco Co. (through grant to Highland Rim Expt. Station). **\$4,500.**
  119. **Ownley, B.H.** 1992. Chemical control of target spot of float-grown tobacco bedding plants. ISK Biotech Corp. **\$2,000.**
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## **INSTITUTIONAL, DISCIPLINARY, AND/OR PROFESSIONAL SERVICE**

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### **Institutional Service**

#### **Committee Work at Department, College, and University Levels**

##### **1. Department of Entomology and Plant Pathology**

- Assistant Department Head, 2020-present
- Director of Graduate Studies, 2015-present
- Search Committee for Lecturer in Bioinformatics, 2024 (chair)
- Search Committee for Plant Pathology Research/ Teaching Faculty Position, 2022 – 2023 (chair)
- Search Committee for Extension Ornamental and Turf Plant Pathology Faculty Position, 2022 – 2023 (member)
- Search Committee for Extension/ Research Field Crops Entomology Faculty Position, 2020 – 2021 (member)
- Mentor Committee for Dr. Reza Hajimorad, 2017 – 2021 (member)
- Mentor Committee for Dr. Denita Hadziabdic, (Chair, 2015 – present)
- Mentor Committee for Dr. Margaret Staton, (Chair, 2014 – present)
- Mentor Committee for Dr. Rebecca Trout Fryxell, 2012 – 2017 (member), 2018 – 2024 (chair)
- Graduate Studies Committee, 2013 – present, (Chair 2015 – present)
- Ad hoc Committee to Develop Professional Experience Requirements for Graduate Students (member), 2013
- Ad hoc Research Excellence Committee, 2013 – 2016
- Ad hoc Graduate Curriculum Committee, 2013 – present
- Peer Teaching Evaluation Committee (Chair), 2013
- Plant Pathology Curriculum Sub-Committee (Chair), 2012
- Search Committee for Business Manager Position (Chair), 2010
- Ad-hoc Plant Pathology Curriculum Review Committee, 2007 – 2010
- Ad-hoc Organic Crops Research and Extension Committee, 2007 – 2008
- Commencement Committee, 1997; 2001; 2007 – present
- Faculty mentor for Dr. M.R. Hajimorad, 2004 – 2009
- EPP By-laws Committee (Chair), 2003 – present
- Search Committee for Plant Virologist Faculty Position, 2002 – 2003
- Seminar Committee (Chair 1996 – 1997; 2004 – 2005), 1995 – 1997; 2002 – 2005
- Ad-hoc Plant Pathology Curriculum Review Committee (Chair), 2001
- Internal Advisory Committee (elected by peers), 2006 – 2008; 2001 – 2002
- Computer Committee (Chair, 2007 – 2012); 2000 – present
- Strategic Planning Committee, 2000 – 2001
- Greenhouse Committee (Chair, 2001 – 2002), 1999 – 2002
- Ad-hoc Curriculum Committee, 1999
- Graduate Student Advisory Committee (Chair, 2001 – 2002), 1998 – 2002
- Space Committee (Chair, 1998 – 1999), 2001 – 2002; 1996 – 1999
- Diversity Resources and Educational Services representative, 1997 – 2000
- Awards Committee (Chair, 1998 – 1999), 1996 – 1999
- Student Development Committee (Chair, 1999 – 2000), 1996 – 2002
- Search Committee for Microbial Entomologist Faculty Position, 1995 – 1996

- Social Committee (Chair) 1994 – 1995
2. **Department of Food Science and Technology**
    - Search Committee for Molecular Food Microbiology Faculty Position, 2005 – 2006
  3. **Department of Plant Sciences**
    - Search Committee for Organic/Sustainable Crops Faculty Position, 2009 – 2010
    - Faculty mentor for Dr. J. Zale (Asst. Professor), 2007 – 2010
    - Search Committee for Plant Functional Genomics Faculty Position, 2003
  4. **Herbert College (HCA) formerly College of Agricultural Sciences and Natural Resources (CASNR)**
    - UTK/UTIA Faculty Senate AgResearch/ Herbert College/ UTK Extension Caucus, 2013-2023
    - HCA Strategic Planning Retreat, 2020
    - HCA Graduate Council, 2015 – present (member)
    - CASNR GTA Task Force (member), 2017 – 2018. Work with Associate Dean Stier to recommend policy on GTA duties and allocations to departments
    - CASNR Grad Task Force (member). Work with Dean Beyl to solve issues related to graduate student mentoring, and develop best practices for Graduate Studies Committees and Directors, 2013 – 2015
    - CASNR/ UT Extension/ Tennessee Agricultural Experiment Station Bylaws Committee, 2006 – 2008
    - Served as a judge for student entries from CASNR in The University of Tennessee Exhibition of Undergraduate Research and Creative Achievements, 1997; 2002 – 2003; 2006 – 2007
    - Faculty-initiated Ad-hoc Committee to develop an interdepartmental, multidisciplinary undergraduate program in Applied Biotechnology (Co-Chair). The program was not initiated due to funding constraints. 2003 – 2008
  5. **UT AgResearch**
    - Search Committee for Greenhouse Manager, 2011
    - Search Committee for Grants Coordinator Positions, 2009 – 2010
    - Search Committee for Head, Biosystems Engineering and Environmental Sciences Department, 2007 – 2008
    - Leadership Committee (Chair), 2006
    - Organic Crop Production Committee, 2004 – 2005
    - Molecular Hub Advisory Committee, 2004 – 2005
    - Plant Biotechnology Building Committee, 2003 – 2019; Chair 2020-2022
    - Search Committee for Molecular Hub Facility Technician Position, 2003
    - Represented the TN Agricultural Experiment Station at the annual meeting of the Southern Regional IPM Committee, 2002
    - Committee for Review of Agronomic Research Resources at Branch Experiment Stations, 1999 – 2000
    - Search Committee for Head, Department of Entomology and Plant Pathology, 1999 – 2000
    - Blue Mold Task Force, 1999 – 2000
    - Search Committee for Superintendent of the Highland Rim Expt. Station, 1997 – 1998
    - Vegetable Initiative Steering Committee, 1996 – 2002

- Selection Committee for the Summer Minority Internship Program for the College of Agricultural Sciences and Natural Resources, 1997
- Program Organization Committee for the Tobacco Crop Research Recommendations Meeting, 1996 – 1997
- Search Committee for Head, Department of Ornamental Horticulture and Landscape Design, 1995 – 1996

## 6. Institute of Agriculture

- College of Emerging and Collaborative Studies (CECS) Curriculum Committee as a representative of Herbert College of Agriculture (2023-2024).
- UTIA Strategic Planning Committee, 2023 - 2024
- Search Committee for Director of the East Tennessee Research and Education Center, 2022
- Served as the Reappointment Review Chair for Dr. Julie Carrier, Department Head of Biosystems Engineering and Soil Science – Interviewed department personnel and provided a report on recommendation for reappointment to AgResearch Dean, Dr. Xin, 2021
- UTIA Strategic Planning Committee, 2017 – 2018
- Search Committee for Department Head, Entomology and Plant Pathology 2015-2016
- Ad hoc committee for review of proposals for UTIA AgInnovations Research Grants, 2013 – 2014, 2014 – 2015
- Academic Review Committee for the College of Agricultural Sciences and Natural Resources, 2012
- Search Committee for UTIA Director of Services, 2011
- International Advisory Council to the UTIA Chancellor, 2010 – 2017
- Search Committee for Director of the East Tennessee Research and Education Center, 2009 – 2010
- Sustainable Crop Production Committee, 2009 – Present
- Ad-hoc Committee on International Ag Programs, 2009
- Greenhouse Committee (Chair 2009 – 2011; Member 2003 – 2018). The committee reviews and makes recommendations for all greenhouse space requests.
- Plant Biotechnology Building Committee (member). The committee reviews/ approves requests for use of teaching facilities, walk-in cold rooms and freezers, and walk-in growth chambers in the Phytotron. 2003-present (member) 2019-present (chair)
- Participated in a Planning Session for Development of a Strategic Plan for UTIA, 2002
- Search Committee for Racheff Chair of Excellence, Department of Ornamental Horticulture and Landscape Design, 2000 – 2001
- Search Committee for Assistant Dean of the Tennessee Agricultural Experiment Station, 1998 – 1999

## 7. The University of Tennessee, Knoxville (UTK)

- Search Committee – University of Tennessee Office of Research Innovation Institute (UTORII) Education Director position, 2022-2023 (member)
- Provost Awards panel to review faculty nominations for the Jefferson Prize, the Alexander Prize and the Chancellor's Macebearer Award 2022-2023, member
- COACHE Survey Task Force (member) 2021-2022 – make recommendations to the Provost Office on campus climate, based on the survey of faculty

- Equity and Fairness Subcommittee (member), Office of the Provost, 2021 - make recommendations for equity and fairness in tenure and promotion policies and procedures
- Search Committee for an Associate Ombudsperson, (Chair) 2021
- UTK Vol Core Engaged Inquiries Subcommittee 2021-2024 – tasked with review for courses for the engaged inquiries designation in Vol Core (general education curriculum)
- Faculty Affairs Academic Operations Group, member 2020 – tasked with developing Covid-19 Response as it concerned faculty in order to return to campus.
- Faculty Advisory Board to the Office of Vice Chancellor of Access and Engagement, UTK, 2019-2024. The Board is charged to advise, consult, and make recommendations to the Vice Chancellor that support and promote diversity and inclusion among UTK faculty (tenure track and non-tenure track). The board also reviews and provides feedback as requested on initiatives originating from the Office of the Vice Chancellor that pertain to UTK faculty.
- UTK Mentoring Committee for Associate Professors, 2017 – 2018
- UTK Mentoring Committee for Assistant Professors, 2017 – 2018
- UTK Alumni Board of Directors, 2016 – 2017
- UTK OIT Strategic Planning Committee, 2017
- UTK Task Force on Childcare, 2017
- UTK Task Force on Faculty Mentoring, 2017
- Calendar Committee, 2016-2017
- Campus Safety Committee, 2016 – 2017
- Chancellor’s Associates, 2016 – 2017
- Commission for Blacks, 2016 – 2017
- Commission for LGBT People, 2016 – 2017
- Commission for Women, 2016 – 2017; 2018-21
  - Chair, Equity Committee, 2018-19
  - Co-Chair, Equity Committee, 2019-21
- Enrollment Management Committee, 2016 – 2017
- First Amendment Program Planning Committee, 2016 – 2017
- Search Committee for UTK Vice Chancellor for Alumni Affairs and Development, 2016 – 2017
- Search Committee for UTK Provost, 2016 (search was put on hold until a new Chancellor was hired, and a new committee was formed in 2017)
- Search Committee for UTK Vice Provost and Dean of the Graduate School, 2015-2016
- S.T.R.I.D.E. Committee, (Co-Chair 2020-2022; member, representative of the UTIA campus, 2013 – 2023). UT STRIDE is the Committee on Strategies and Tactics for Recruiting to Improve Diversity and Excellence and is supported by the Provost Office. The committee is reviewing peer-reviewed literature on discrimination and bias in hiring, and the value of diversity. The University of Tennessee does not have a diverse faculty, when compared with our aspirational top 25 peers. We have developed presentations and workshops for administrators and search committees on diversity and excellence in recruitment and retention of UT faculty. I have given presentations at several of these workshops. Attendance varied from 10 to 80 persons per session. The sessions ranged from 1 to 2 hours. The committee normally meets biweekly for 2 hours during the fall and spring semesters to review literature and update workshops, 2013 – present.

Workshops in which I presented:

- Workshop presentation to faculty search committees, Jun 22, 2023
- Workshop presentation to faculty search committees, May 12, 2023
- Workshop presentation to faculty search committees, Apr 11, 2023
- Workshop presentation to faculty search committees, Mar 22, 2023
- Workshop presentation to faculty search committees, Feb 13, 2023
- Workshop presentation to faculty search committees, Nov 7, 2022
- Workshop presentation to faculty search committees, Sep 26, 2022
- Workshop presentation to faculty search committees, Sep 13, 2022
- Workshop presentation to faculty search committees, Sep 8, 2022
- Workshop presentation to faculty search committees, Jan 19, 2022
- Workshop presentation to faculty search committees, Nov. 8, 2021
- Workshop presentation to Department Heads Forum, Oct. 12, 2021
- Workshop presentation to faculty search committees, Oct. 12, 2021
- Workshop presentation to faculty search committees, Sept 22, 2021
- Workshop presentation to faculty search committees, Sept 14, 2021
- Workshop presentation to Council of Deans, Sept. 2, 2021
- Workshop presentation to faculty search committees, July 27, 2021
- Workshop presentation to faculty search committees, May 14, 2021
- Workshop presentation to faculty search committees, Apr. 20, 2021
- Workshop presentation to faculty search committees, Feb. 25, 2021
- Workshop presentation to faculty search committees, Nov 11, 2020
- Workshop presentation to faculty search committees, Nov 9, 2020
- Workshop presentation to faculty search committees, Oct 23, 2020
- Workshop presentation to faculty search committees, Sept 23, 2020
- Workshop presentation to faculty search committees, Aug. 13, 2020
- Workshop presentation to faculty search committees, Oct 24, 2019
- Workshop presentation to faculty search committees, Sept 30, 2019
- Workshop presentation to faculty search committees, Sept 16, 2019
- Workshop presentation to faculty search committees, Jul 22, 2019
- Workshop presentation to faculty search committees, May 20, 2019
- Workshop presentation to faculty search committees, Feb 26, 2019
- Workshop presentation to faculty search committees, Oct 22, 2018
- Workshop presentation to faculty search committees, Sept 10, 2018
- Workshop presentation to faculty search committees, April 24, 2018
- Workshop presentation to faculty search committees, Sept 5, 2017
- Invited workshop presentation to the American Phytopathological Society, Aug 8, 2017
- Workshop presentation to faculty search committees, Oct 11, 2016
- Workshop presentation to faculty search committees, Sept 7, 2016
- Workshop presentation to faculty search committees, Oct 22, 2015
- Workshop presentation to faculty search committees, Oct 12, 2015
- Workshop presentation to undergraduate admissions counselors, Aug 6, 2015
- Workshop presentation to faculty search committee, Feb 26, 2015
- Workshop presentation to faculty search committees, Feb 18, 2015
- Invited symposium presentation to the Entomological Society of America, Nov 16,

2014

- Presentation to the Council for Diversity and Interculturalism, Nov 19, 2014
- Workshop presentation to faculty search committees, Sept 24, 2014
- Workshop presentation to faculty search committees, Sept 9, 2014
- Search Committee for Biological Safety Officer Position, 2007 – 2008
- Search Committee for Assistant Biological Safety Officer Position, 2007 – 2008
- Innovative Technology Center, provided evaluations of two web-based packages (Elluminate and SynCollab) for online instruction, 2006
- UT Institutional Biosafety Committee (IBC) (Chair 2005 – 2006; Vice-Chair 2004 – 2005; Member 2002 – 2007). *Under my leadership as Chair, we developed bylaws for the IBC, as required by federal regulations, 2002 – 2015*
- Career Advancement Proposal Evaluation Committee, 1998

#### 8. UTK Graduate School

Director of Graduate Studies – Department of Entomology and Plant Pathology, 2015-2024. In this role I have several duties, including updating the EPP Graduate Student Handbook; providing reports on EPP graduate student enrollment, retention and graduation for the EPP Academic Program Reviews, Herbert College of Agriculture (HCA), and THEC; preparing new and revised EPP graduate curriculum materials for review and approval by the UTK Graduate Council; preparing nomination materials and securing additional scholarship funding from HCA and the Graduate School for EPP graduate students; reviewing and revising Graduate Catalog information for EPP; reviewing, revising, and approving several documents that graduate students must submit to the Graduate School; assisting students with leave of absence requests from the Graduate School and a variety of other issues.

#### 9. The University of Tennessee System

- UTIA-UT Knoxville Reunification: Working Group – Academic Affairs and Shared Governance Working Group, 2020.
- Faculty and Staff Sub-committees – Department Profiles. The committee is determining the kind of data that should be included about faculty on department dashboards for all campuses and institutes across the UT System, 2019-2020.
- UTIA-UTK Reunification Committee, 2019, selected to serve as a faculty representative from UTIA. The committee was charged to provide structured opportunities for stakeholders to share ideas about reunification of UTIA and the flagship UTK with an emphasis on the land-grant mission of the university. After interviewing nearly 2,000 and surveying 5,000, the committee submitted a report with its findings - <http://tennessee.edu/wp-content/uploads/2019/10/UTIA-UTK-reunification-committee-report.pdf>.
- Board of Trustees, selected by the Board to serve as the faculty representative on the Education, Research and Service Committee, 2018 – 2019. Attended BOT meetings to discuss and debate proposed BOT policies that affect all campuses and institutes of the University of Tennessee System.
- University Faculty Council, 2016-2019 (member). Meet monthly with faculty senate presidents from other campuses in the UT system to discuss Board of Trustee and campus policies that impact faculty, staff, and students.
- Board of Trustees, Academic Affairs and Student Success Committee, 2016 – 2017
- Search Committee for UTK Chancellor, 2016

- Outcome, Impact, Measurement & Reporting Task Force, Strategic planning project for the President's Office and University-wide Administration, 2010 – 2012
- 10. **Plant Research Center** - consortium of scientists of the University of Tennessee focused on plant research; member 2018 – present.
- 11. **Bioactive Natural Products Working Group** – consortium of scientists at The University of Tennessee and Oak Ridge National Laboratories with research interests in bioactive natural products; member 2000 – 2008. The Center is no longer active.
- 12. **Center for Legume Research** – consortium of scientists with research interests in legumes and plant microbe-interactions. The Center is no longer active.
  - Member, 1993 – 2001
  - Planning Committee for the 1996 International Society for Molecular Plant-Microbe Interactions Biennial Meeting, 1994 – 1996
  - Participation in the Plant-Microbe-Interactions Research Training Program grant submitted to USDA/NSF/DOE in 1994 and resubmitted in 1995
  - Planning Committee Co-Chair for the 1995 Gatlinburg Symposium, 1994 – 1995

### **Participation in University-wide, State, and National Governance Bodies and Related Activities**

#### **1. Institute of Agriculture**

- UTIA Advisory Council to the Vice-President (elected by faculty). *The UTIA Advisory Council serves to bring issues from UTIA faculty and staff to the Vice-President and provides advice to the Vice-President on a variety of issues as requested.*
- Past-Chair (2006 – 2007), Chair (2005 – 2006), Chair-elect (2004 – 2005), Secretary (2003 – 2004). *As an officer during this period, I served on the Executive Committee, and was responsible for revision of bylaws for the Advisory Council, 1999 – 2002; 2003 – 2007*
  - Ad hoc Committee on Flexible Benefits, 2005
  - Ad-hoc Committee on Washington Center Internship program for students, 2004
  - Ad-hoc Committee on By-laws Revision (Chair), 2003 – 2004
  - Ad-hoc Committee on Cumulative Performance Review, 2000 – 2002
- Committee for Enhancement of Job Satisfaction and Career Development, 1999 – 2002

#### **2. The University of Tennessee, Knoxville**

- Faculty Review and Promotion Task Force, Equity and Fairness Subcommittee (member), 2021 – Met with faculty for their perspectives, reviewed tenure and promotion policy and procedures, and provided a report on recommendations for improvement of the process to the Provost Office
- New Faculty Orientation – Mar. 4, 2022 – Presentation on university service
- New Faculty Orientation Panel – Aug. 9, 2021 – Presentation on university service
- Faculty Senate (elected), 2001 – 2004; 2013 – 2016; 2020-2023
  - Past-President, 2017 – 2018; 2022-2023
  - President, 2016 – 2017
  - President-Elect, 2015 – 2016
  - Senate Secretary, 2013 – 2015
  - AgResearch/ CASNR/ Extension Caucus, 2003-2004, 2013-2024
  - Athletics Committee, 2016 – 2020, Co-chair 2019 - 2021
  - Benefits and Professional Development Committee, 2016 – 2017

- Budget and Planning Committee, 2016 – 2017
  - Committee on Committees, elected; 2001 – 2002
  - Diversity Task Force, Chair 2016
  - Executive Council, 2013 – 2021
  - Faculty Affairs Committee, 2013 – 2017; 2023-2024
  - Faculty and Staff Benefits Committee, 2001 – 2006; Chair 2002 – 2004
  - Faculty Senate Executive Council, 2002 – 2004; 2013 – 2018; Chair 2016 –2017; 2018-2024.
  - Graduate Council, 2021-2024
  - Information Technology Committee, 2004 – 2005
  - Library and Information Technology Committee, 2016 – 2017
  - Nomination and Appointments Committee, Chair 2015 – 2016
  - Non-Tenure Track Issues Committee, 2016 – 2017
  - Research Council, 2001 – 2004; Vice-Chair 2003 – 2004; 2016 – 2017
    - Research Council: Special Panel for Review of Established Centers, Institutes, or Bureaus at University of Tennessee, 2001 – 2004
    - Research Council: Research Promotion & Education Committee, 2002 – 2004
  - Teaching Council, 2003 – 2004
  - Teaching and Learning Council, 2016 – 2017
  - Undergraduate Council, 2016 – 2017
  - University System Relations Committee; 2016 – 2017; Chair, 2018 – 19
  - Faculty Advisory Council to the President (Dr. Joe Johnson) of The University of Tennessee (selected), 1999
3. **Coalition on Intercollegiate Athletics – national organization of faculty senate leaders to promote academic excellence, integrity, and student well-being in intercollegiate athletics**
- UTK Faculty Senate campus representative, 2019-2021
  - Past Chair, Steering Committee, 2020-2022
  - Chair, Steering Committee, 2017 – 2020
  - Member, 2017 – 2022
4. **Tennessee University Faculty Senates – coalition of faculty senates of all public universities in Tennessee**
- UTK Faculty Senate campus representative, 2020-2022
  - Past President, 2019-2021
  - President, 2018 – 2019
  - President-Elect, 2017 – 2018
  - Member, 2016 – 2022

**Record of Contributions to the University’s Programs, at Home and Abroad, to Enhance Equal Opportunity, Cultural Diversity, and International and Intercultural Awareness**

**1. International Activities**

- Visited two non-government organizations in Belize to explore collaborations on research and teaching initiatives (2024)
- Received two USDA-FAS Borlaug Fellows Grants (2020-2024) and hosted two scientists (Prof. Jacob Banuelos, Universidad Veracruzana, Xalapa, MX and Dr. Juan Ramos Garza, Universidad del Valle Mexico, Coyoacán, CDMX) from México working on beneficial plant

- microorganism. I visited both scientists in México to continue the collaboration and establish MOU agreements with their universities for student visits and exchanges.
- Working with D. Hadziabdic and W. Klingeman, gave a Workshop on Grant Writing at the University of Ghana. Faculty, post-docs, and graduate students attended. We met with university faculty to discuss potential collaborations in plant pathology and entomology, and we recruited graduate students for UTK. We also had meetings with the owners/managers of large and small private farms focused on organic and conventional production of papaya, pineapple, and cacao, 2018.
  - Hosted Ms. Gordana Mrdak (PSS "Sombor" doo Sombor, Staparski put 35, 25 000 Sombor, Serbia) for 2 weeks in my laboratory for training in identification of seedborne plant pathogens, 2014
  - Appointed to the UTIA International Advisory Council, 2010 – 2017. Council developed a strategic plan for internationalizing UTIA
  - Joined consortium of 11 scientists from USA, Canada, Denmark, Kenya, UK, and Japan and participated in a 5-day conference at the Rockefeller Foundation Bellagio Study and Conference Center near Lake Como, Italy, on the status of research with fungal entomopathogens, 2008
  - Attended the Pan American Plant Pathology Congress, a joint meeting of the Southern and Caribbean Divisions of the American Phytopathological Society, the Latin American Society of Phytopathologists, and the Mexican Society of Plant Pathologists, San Padre Island, TX, Apr 6-10, 2003
  - Hosted Dr. Anatoly Dobritsa, Laboratory of Genetics and Selection of Industrial Bacteria, Institute of Applied Microbiology, Moscow, Russia for 4 weeks in my laboratory, 1999
  - Attended/presented research results at the 7<sup>th</sup> International Congress on Plant Pathology, Edinburgh, Scotland, UK, Aug 9-16, 1999
  - Hosted Drs. Anatoly Dobritsa and Vera Gaitan, Laboratory of Genetics and Selection of Industrial Bacteria, Institute of Applied Microbiology, Moscow, Russia for 6 weeks in my laboratory to develop transgenic *Bacillus* and *Pseudomonas* strains for biological control of both plant pathogens and insect pests, 1998
  - Developed a collaboration with Dr. Anatoly Dobritsa, Head of the Laboratory of Genetics and Selection of Industrial Bacteria, Institute of Applied Microbiology, Moscow, Russia, 1996
  - Developed and supervised a 3-month research training program for Dr. Mohamed S.H. Moustafa El-Sindiony, a visiting scientist from the Institute of Plant Diseases, Agricultural Research Center, El-Giza, Egypt. This project was initiated and coordinated by the UTK Office of International Agricultural Programs, 1993
2. **Ronald McNair Post-Baccalaureate Achievement Program.** This program seeks to support and encourage ethnic minorities and women who are the first generation of their families to attain undergraduate degrees, to continue their education in professional or graduate schools.
- 1997 Served as a mentor for Latonja Slaughter
  - 1996 Served as mentor for Kimberly Fowler
  - 1994 Served as mentor for Patrice Smith (Moore) who subsequently became a graduate student under my supervision and received the M.S. degree in 1997
3. **The University of Tennessee Math and Science Regional Center.** This program seeks to provide support, encouragement, and guidance to pre-college students who are from under-served,

low-income school districts, meet family income guidelines established by the federal government, and are potential first-generation college students (neither parent has a 4-yr college degree).

- 2000 Served as a mentor for four high school students in a 6-wk summer program
- 1997 Served as a mentor for three high school students in a 6-wk summer program
- 1996 Served as a mentor for one high school student in a 6-wk summer program
- 1995 Served as a mentor for one high school student in a 6-wk summer program

4. **“Life of the Mind” freshman reading program for first-year students at The University of Tennessee.** Led discussions on the program novel with 20-25 first-year students at the beginning of fall semester.

- 2016 *Leaving Orbit: Notes from the Last Days of American Spaceflight* by Margaret Lazarus Dean
- 2015 *The Book of Unknown Americans*, by Cristina Henriquez
- 2012 *The Accidental Asian* by Eric Liu
- 2011 *The Immortal Life of Henrietta Lacks*, by Rebecca Skloot
- 2010 *Mountains Beyond Mountains*, by Tracy Kidder
- 2005 *The Curious Incident of the Dog in the Night-time*, by Mark Haddon
- 2004 *The No. 1 Ladies’ Detective Agency*, by Alexander McCall Smith
- 2003 *The Color of Water*, by James McBride

### **Disciplinary Service**

**Membership and active participation in professional and learned societies related to academic discipline.**

1. **American Phytopathological Society (1984 – Present)**

***National***

- APS Council (member). This is the executive governing body of the organization, 2023 - present.
- Treasurer, 2024 - present
- Treasurer-Elect, 2023 – 2024.
- Finance Advisory Committee, 2023 – present.
- Academic Unit Leaders Forum, Chair 2022-present; Vice-chair 2020-2022.
- Nominations Committee (member). This committee solicits, reviews, and recommends candidates for the position of Vice-President and Councilor-At-Large for APS, 2015 – 2020.
- Teaching Committee, 2011 – present
- Committee on Diversity and Equality, 2010 – present
- Subcommittee on Development of Anti-Racism Resources, 2021-2022
- Editorial Board (Senior Editor) – *Phytopathology*, 2003 – 2006
- Committee on Biological Control, 2001 – 2004
- Soil Microbiology and Root Diseases Committee, 1993 – 1996, 2021-present
- Ad-hoc Committee on Expedition of Issuance of Permits for Interstate Movement of Plant Pests and Pathogens, 1993 – 1994
- Local Arrangements Committee, annual meeting, 1993
- Session moderator, annual meeting, 1990

***Southern Division***

- Constitution and By-Laws Committee (Chair), 2002 – 2003
- Immediate Past-President, 2002 – 2003
- Graduate Student Paper Competition Committee (Chair), 2002 – 2003
- President (elected), 2001 – 2002
- Program development for Annual Division meeting, 2000 – 2001
- Session moderator, 2000 – 2002
- President-elect, 2000 – 2001
- Vice-President, 1999 – 2000
- Executive Committee, 1999 – 2003
- Membership Committee, (Chair – 1999), 1994 – 1999

***African Division, 2020 - 2022***

2. **American Society for Horticultural Science** (1986 – 2021)
3. **American Society for Microbiology** (1988 – 2021)
  - ASM Kentucky/Tennessee Branch*** (2007 – 2021)
4. **American Association of University Professors** (2004 – Present)
5. **Gamma Sigma Delta Agricultural Honor Society** (1982 – Present)
  - By-Laws Committee, 2006 – 2007
  - Awards Committee, 2001
  - Membership Committee, 1998 – 2001
  - Immediate Past President, 1998 – 1999
  - Nomination Committee (Chair), 1998 – 1999
  - President (elected), 1997 – 1998
  - President-Elect, 1996 – 1997
  - Executive Committee, 1996 – 1999
  - Constitution Review Committee (Chair), 1996 – 1997
  - Greeting Committee (Chair), 1996 – 1997
  - Project Committee, 1996 – 1997
  - Historian, 1994 – 1995
  - Project Committee (Chair), 1994 – 1995
  - Archives Committee, 1994 – 1995
6. **International Society for Molecular Plant-Microbe Interactions** (1992 – 2000)
  - Program Committee for the 1996 International Meeting, 1995 – 1996
7. **International Society of Plant Pathology** (2008 – Present)
8. **Mycological Society of America** (2013 – 2016)
9. **North American Colleges and Teachers of Agriculture** (2005 – 2010)
10. **Phi Kappa Phi Honor Society** (1983 – Present)

11. **Sigma Xi Scientific Research Society** (1987 – Present)
  - Judge, Graduate Student Paper Competition, 1998; 2000 – 2002; 2010
  - President, 1996 – 1997
  - President-Elect, 1995 – 1996
  - Executive Committee, 1996 – 1998
  - Organized the Sigma Xi Student Paper Competition, 1996
12. **Society for Invertebrate Pathology** (2007 – 2009)
13. **Society of Nematologists** (1984 – 1997, 2020 - 2021)
  - Membership Committee, 1994 – 1997
  - Regulatory Committee; (Vice-Chair, 1992; Chair, 1993) 1992 – 1995
  - Program Committee for annual meeting, 1993 – 1994
  - Co-Chair of Colloquium session held at annual meeting, "Critical Issues in Agriculture Relating to the Development and Regulation of Biotech-modified and Biocontrol Organisms", 1993
14. **Tennessee Association of Colleges and Teachers of Agriculture** (2004 – 2008)

### Professional Service

#### **Service to Public and Private Organizations or Institutions**

1. **CRC Press**
  - Reviewed book proposal on 'Mycology,' 2007
2. **Intel International Science and Engineering Fair**
  - Attended as an adult-in-charge escorting the first-place winner of the Southern Appalachian Science and Engineering Fair to the Intel Fair in Albuquerque, NM. May 13-19. There were 1,500 pre-college finalists (9-12th graders) from 51 countries, regions, and territories, competing for more than \$4,000,000 in scholarships and awards. This is the world's largest science fair; and it gave me a wonderful opportunity to discuss and promote various science and math topics with many eager and enthusiastic young scientists, 2007
3. **Served as an anonymous reviewer for several refereed journals, e.g.,**
  - *BioControl, Biocontrol Science and Technology, Biological Control, Crop Protection, European Journal of Plant Pathology, Exotoxicology and Environmental Safety, International Journal of Pest Management, European Journal of Plant Pathology, International Journal of Vegetable Science, Journal of Biological Control, Journal of Invertebrate Pathology, Journal of Plant Pathology, Molecular Plant-Microbe Interactions, Microbial Ecology, Phytopathology, Plant Disease, Plant and Soil*, 1992 - Present
4. **Provided information to reporter for popular press article**
  - Provided information to Charles Johnson for an article, "Millions of Microorganisms Add Life to Soil," in *Homestead* (Winter 2006, published by John Deere)

#### **Service to Governmental Agencies at the International, Federal, State, and Local Levels**

1. **USDA, ARS National Sclerotinia Initiative**
  - Grant Review Panel: Served on a review panel for submissions to the National Sclerotinia Initiative program, 2021 – 2024

2. **USDA, NIFA, WAMS**
  - Grant Review Panel: Served on a review panel for submissions to the Women and Minorities in Science, Technology, and Mathematics Fields program, 2022-2024
3. **USDA, CSREES Competitive Grants Programs**
  - Served as an anonymous reviewer for grant programs, including NRI and SBIR, 1994 – 2012
4. **USDA, CSREES – Agricultural Research Service, Office of Scientific Quality Review**
  - Member of the 303 Panel 3 (Plant-Microbe-Vector Interaction). Panel members reviewed multi-year research proposals submitted by ARS research labs, 2006 – 2007
5. **National Science Foundation**
  - Grant Review Panel: Served on a National Science Foundation review panel for submissions to the Academic Research Infrastructure program: Recovery and Reinvestment (ARI-R2), Washington, DC, 2009
6. **Jefferson County High School Biotechnology Program**
  - Advisory Board, 2005 – 2006

#### **Participation in Community Affairs as a Representative of the University**

1. **Gadget Girls – STEM Activity for Middle School Girls, sponsored by the Girl Scouts of America**
  - Program director, 2012 – 2017
  - Faculty participant, 2011
2. **Southern Appalachian Science and Engineering Fair**
  - Secretary of the Board of Directors, 2010 – Present
  - Member (elected) of the Board of Directors of the Southern Appalachian Science and Engineering Fair (SASEF), 2008 – Present
  - Judge, 2001 – 2016, 2018, 2020-2023
3. **Sharing Adventures in Engineering and Science (SHADES)**
  - Experiential learning laboratory presentation for this Science Education Conf. The target audience was 6<sup>th</sup> grade girls, 1994
4. **Tennessee Biotechnology Association**
  - Member, 2003 – 2007 Education Committee, 2003 – 2004

## PROFESSIONAL DEVELOPMENT ACTIVITIES

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### 2023

- APS Leadership Institute as a new APS Council member, role = participant
- Attended the 2023 COIA (Coalition on Intercollegiate Athletics) annual meeting. The meeting theme was The Faculty Role in Collegiate Athletics, 2 days, role = Steering Committee member, emerita
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. Meetings are held every 2 weeks for 2 hours during the academic semesters. I served as a presenter in several S.T.R.I.D.E. workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document, role = committee member
- UTK Academic Leadership Retreat, 7 h, role = participant
- UTK Faculty Senate Retreat, role = past president
- Attended several meetings of the Faculty Senate Leadership team (past, current, and elect Faculty Senate presidents) with the Chancellor Plowman, Chief of Staff Scoggins, and Provost Zomchick to discuss matters of importance to the university and faculty, role = participant
- Attended UTK Graduate School Directors Workshops, role = participant
- Attended the 2023 annual meeting of the American Phytopathological Society, Denver, CO, role = participant and Chair of the Academic Unit Leadership Forum
- Attended the 2023 International Society of Plant Pathologists meeting, Lyon, France, role = participant
- Dignity - A Key to Conflict Resolution workshop, sponsored by the UTK Ombuds Office, 2 h duration, role = participant
- Completed annual compliance training, role = participant

### 2022

- Hosted two Borlaug Fellows from Mexico, Dr. Juan Ramos Garza from Universidad del Valle de México, Mexico City, and Prof. Jacob Banuelos Trejo, from Universidad Veracruzana, Veracruz, MX for 3 months. The research foci were 1) efficacy of yeasts biostimulants on plant growth and pathogen suppression, 2) bioinformatics analysis of microbiome of coffee roots inoculated with mycorrhizal biostimulants, and 3) development of a white paper on best practices for efficacy evaluation and labeling of plant biostimulants.
- Attended the 2-hr interactive workshop on Strategies and Tactics for Retention through Inclusive Promotion Evaluation presented Texas A&M University ADVANCE, role = participant
- Attended the Attended the USDA – Foreign Agricultural Service Borlaug Mentors meeting, Raleigh, NC, role = participant and presenter
- APS Leadership Institute, role = participant
- Attended the 2022 COIA (Coalition on Intercollegiate Athletics) annual meeting in Washington, D.C. The meeting theme was The Changing Landscape of College Athletics, role = Steering Committee member emerita
- Attended numerous S.T.R.I.D.E. committee meetings on hiring and retaining a diverse faculty. Meetings are held every 2 weeks for 2 hours during the academic semesters. I served as a presenter in several S.T.R.I.D.E. workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document, role = co-chair.
- UTK Academic Leadership Retreat, 7 h, role = participant
- UTK Faculty Senate Virtual Retreat, role = past president
- UTK Faculty Senate and Administration Retreat, role = past president of Faculty Senate

- Attended UTK Graduate School Directors Workshops, role = participant
- Attended the 2022 annual meeting of the American Phytopathological Society, Pittsburgh, PA, role = participant and Vice Chair of the Academic Unit Leadership Forum
- Attended the 2022 World Food Prize Conference – Norman E. Borlaug International Dialogue in Des Moines, IA, role = participant and Mentor for two Borlaug Fellows.
- Received VOLS ACT training, role = participant
- Attended Diversity and Inclusion lunch and learn sessions, role = participant
- Completed annual compliance training, role = participant

## 2021

- APS Leadership Institute
- Holistic Graduate Admissions - participated in training to develop holistic practices for graduate student admissions. I developed a plan for EPP graduate programs and presented it at a training session. Role = participant
- Attended the 2021 COIA (Coalition on Intercollegiate Athletics) annual meeting. The meeting theme was Health and wellness of student-athletes, role = Steering Committee member
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E. Meetings are held every 2 weeks for 2 hours during the academic semesters. I served as a presenter in several S.T.R.I.D.E. workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document. role = co-chair.
- UTK Faculty Senate Virtual Retreat, role = participant
- Attended virtual trainings on Comprehensive Meta-Analysis
- Attended UTK Graduate School Directors Workshops
- Attended three virtual meetings of the Tennessee University Faculty Senates, role = past president/UTK campus representative
- Attended (virtually) the 2021 annual meeting of the American Phytopathological Society, role = participant and vice chair of the Academic Unit Leadership Forum

## 2020

- Intercultural Development Inventory Workshops, 5 hr, participant
  - Part 1: The Intercultural Development Continuum as a Tool for Racial Justice,
  - Part 2: Addressing Racial Justice from the Monocultural Mindsets,
  - Part 3: Conquering the Lion: Addressing Racial Justice from the Transitional Mindset of Minimization,
  - Part 4: Effective Systemic Change from the Intercultural Mindsets of Acceptance and Adaptation,
  - Part 5: But I am \_\_\_\_\_. Am I really the right person to facilitate a debrief with this cross-racial group?
- Attended three virtual meetings of the Tennessee University Faculty Senates, role = past president
- Attended a virtual meeting of the National Council of Faculty Senates, 2 days, 4 h each, role = participant
- UTK Academic Leadership Retreat, 3.5 h, role = participant
- Racial Equity Institute Groundwater Workshop, 3 hr, role = participant
- Webinar - Knight Commission on Intercollegiate Athletics: Assessing Proposals and Remaining Issues to Allow College Athletes to Earn Money for use of their Name, Image and Likeness, 2 hr, role = participant

- Online Assessment, 1 hr, role = participant
- GoToWebinar - LEAD1 Virtual Forum: How COVID-19 Will Change College Sports, role = participant
- Microsoft PowerPoint: Creating Presentations for Online Learning, 1 hr, role = participant
- Microsoft PowerPoint: The How-tos of Teaching Remotely, 1 hr, role = participant
- Completed the Virtual Vol Bootcamp for Online Teaching, 8 h, role = participant
  - Canvas Overview Workshop, 1 hr, participant
  - Zoom Essentials Workshop, 1 hr, participant
  - Online Assessment Workshop, 1 hr, participant
  - Managing Your Online Class, 1 hr, participant
- Completed certificate to become a Qualified Administrator for Intercultural Development Inventory
- Attended Preparing Organizational Leaders in Agriculture through Innovative Leadership Case Studies Contextualized in Agricultural Disasters (POLA) Academy, sponsored by University of Florida/Texas A&M, and University of Tennessee, spring semester 2020, 5 days, Fort Meyers, FL, role = student participant
- Attended the annual meeting of the Coalition on Intercollegiate Athletics, Baton Rouge, LA, 2 days, role = chair of the meeting.
- Attended one virtual meeting of the Tennessee University Faculty Senates, role = past president (spring 2020)
- Attended monthly meetings of the UTK Women's Leadership Group, 1.5 hours each meeting, role = participant
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. Moderated a STRIDE I Workshop via Zoom, role = presenter

## **2019**

- Attended monthly meetings of the UTK Women's Leadership Group, 1.5 hours each meeting, role = participant
- Attended two meetings of the Tennessee University Faculty Senates, 3 days each meeting, role = president (spring 2019) and past president (fall 2019)
- Attended an anti-bias workshop conducted by the Anti-Defamation League in response to anti-Semitism incidents on campus, 2 hours, role = participant
- Attended training event conducted by Inclusive Solutions on cultural competency, inclusion, and bias-training, 7 hours, role = participant
- Attended informational workshop on NSF REU grants, sponsored by the UTK Office of Research and Engagement, 2 hours, role = participant
- Attended the Herbert College of Agriculture Fall Kick-off, 7 hours, role = participant
- Attended Preparing Organizational Leaders in Agriculture through Innovative Leadership Case Studies Contextualized in Agricultural Disasters (POLA) Academy, sponsored by University of Florida/Texas A&M, and University of Tennessee, fall semester 2019, 24 hours, role = student participant
- Attended the Herbert College of Agriculture Diversity Panel and lunch for students, faculty, and staff, following racist incidents at the university, 3 hours, role = moderator of the panel
- Attended the annual meeting of the Coalition on Intercollegiate Athletics, 2 days, role = chair of local arrangements and secured all speakers, and chair of the meeting.

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program, 1 hour, role = participant
- Annual training on “Chemical Hygiene and General Laboratory Safety,” UT Environmental Health and Safety Program, 2 hours, role = participant
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E. Meetings are held every 2 weeks for 2 hours during the academic semesters. I served as a presenter in two S.T.R.I.D.E. workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document, role = member.
- UTK Faculty Senate Retreat, 1 day, role = organized panel on intercollegiate athletics and served as moderator
- UT Alumni Association Legislative Council/ Advocacy Meeting, Nashville, TN, 1 day, role = participant. We met with state legislators to discuss proposed legislation for higher education.

## **2018**

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Annual training on “Chemical Hygiene and General Laboratory Safety,” UT Environmental Health and Safety Program
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E., I assisted or served as a presenter in two S.T.R.I.D.E. Workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document.
- Attended the International Congress on Plant Pathology meeting, Boston, MA, Jul 27-Aug 4. Co-authored four presentations and attended committee meetings.
- Attended the Plant Genomics & Gene Editing Congress: USA/ 3rd Partnerships in Biocontrol, Biostimulants, & Microbiome. Philadelphia, PA. Oct 1-2. Presented research results during the program, attended research presentations, and discussed collaborations.
- UT Alumni Association Legislative Council/ Advocacy Meeting
- UTIA Strategic Planning Retreat
- UTK Faculty Senate Retreat

## **2017**

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Annual training on “Chemical Hygiene and General Laboratory Safety,” UT Environmental Health and Safety Program
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E., I assisted or served as a presenter in two S.T.R.I.D.E. Workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document.
- Attended the annual meeting of the American Phytopathological Society, San Antonio, TX, Aug 4-10. Gave an invited presentation and attended committee meetings.
- UT Alumni Association Legislative Council/ Advocacy Meeting
- UTIA Strategic Planning Retreat
- UTK Academic Leadership Retreat
- UTK Alumni Affairs Retreat

- UTK Faculty Senate Retreat

## **2016**

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Annual training on “Chemical Hygiene and General Laboratory Safety,” UT Environmental Health and Safety Program
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E., I assisted or served as a presenter in two S.T.R.I.D.E. Workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document.
- Attended the annual meeting of the American Phytopathological Society, Tampa, FL, Jul 29-Aug 4. Presented research results and attended committee meetings.
- IRB Compliance Training
- Southeastern Conf. Academic Leadership Program (monthly meetings)
- University of Tennessee Academic Leadership Program
- UTK Academic Leadership Retreat
- UTK Faculty Senate Retreat, secured and organized all speakers, served as chair of the event
- UTK Alumni Affairs Retreat
- UT Alumni Association Legislative Council/ Advocacy Meeting

## **2015**

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Annual training on “Chemical Hygiene and General Laboratory Safety,” UT Environmental Health and Safety Program
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E., I assisted or served as a presenter in five S.T.R.I.D.E. Workshops for faculty and administrator search committees. Presentations are listed elsewhere in this document.
- Southeastern Conf. Academic Leadership Program
- University of Tennessee Academic Leadership Program
- UTK Academic Leadership Retreat
- UTK Faculty Senate Retreat

## **2014**

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Annual training on “Chemical Hygiene and General Laboratory Safety,” sponsored by UT Environmental Health and Safety Program
- Attended numerous S.T.R.I.D.E. meetings on hiring and retaining a diverse faculty. As a member of S.T.R.I.D.E., I assisted or served as a presenter in four S.T.R.I.D.E. Workshops for faculty and administrator search committees. The presentations are listed elsewhere in this document.
- Attended the joint meeting of the American Phytopathological Society and the Canadian Phytopathological Society, Minneapolis, MN, Aug 9-13. Presented research results and attended committee meetings.

- Completed required training on “Responsible Conduct of Research,” sponsored by UTIA AgResearch
- Tennessee Venture Challenge Pitch Competition, UTRF, 2 hours - April 4, invited to attend and review competition.
- UTK Faculty Senate Retreat

### 2013

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Annual training on “Chemical Hygiene and General Laboratory Safety,” Sponsored by UT Environmental Health and Safety Program
- Attended the 'Environmental Service-Learning Workshop,' sponsored by UT First Year Studies, the Institute for a Secure and Sustainable Environment, and the Tennessee Valley Authority to learn about incorporation of environmental service learning in courses. 05/8/2013 – 5/9/2013. I developed a proposal for this activity in EPP512, which was accepted and funded. Students in EPP 512 completed this activity in Fall 2013.
- Attended the Fusarium Laboratory Workshop held at Kansas State University, Manhattan, KS, June 23-28.
- Panel Reviewer for USDA, ARS, NP 303 Plant Diseases for review of 5-year project plans submitted by USDA-ARS scientists.  
Reviewed journal articles for *Plant Disease* and proposals for AgResearch Innovation Grants
- Participated in LEAD21 training sessions in Washington, DC (Feb 27-Mar 2).
- UTK Faculty Senate Retreat

### 2012

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program
- Participated in LEAD21 leadership training sessions in Indianapolis, IN (June 17-22) and Kansas City, MO (Oct 1-4).
- Participated in the “Write Winning Grants” 1-day seminar, sponsored by UTIA, Oct. 23.
- Participated in the “You speak volumes when you are silent” workshop, sponsored by the College of Agricultural Sciences and Natural Resources, Sept 28
- Participated in the Leadership Institute II training, sponsored by the American Phytopathological Society, Providence, RI, Aug 3.
- Reviewed journal articles for *Plant Disease*, *BioControl*, and *European Journal of Plant Pathology*

### 2011

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program. Annual training on Laboratory Hazardous Waste Management, as required by Tennessee Department of Environment and Conservation; sponsored by UT Environmental Health and Safety.
- Attended American Phytopathological Society annual meeting, Honolulu, HI, Aug. 6-11.
- Attended the “Valuing Diversity and Inclusion in the Academy: Achieving New Levels of Excellence,” given by Dr. Yolanda Moses, sponsored by UTIA, Mar. 9.
- Reviewed proposal for USDA-AFRI-NIFA grant panel.

## 2010

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program.
- Attended a Workshop sponsored by UTK and UTIA on “Success Strategies for Women in Science,” Oct 20.
- Attended American Phytopathological Leadership Institute, Charlotte, NC; August 7, 2010.
- Completed annual training on Laboratory Hazardous Waste Management, as required by Tennessee Department of Environment and Conservation; sponsored by UT Environmental Health and Safety, Oct 15.

## 2009

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program.
- Annual training on Laboratory Hazardous Waste Management, as required by Tennessee Department of Environment and Conservation; sponsored by UT Environmental Health and Safety.
- Attended a Grantsmanship Workshop sponsored by UTIA, Jan 13.
- Attended a presentation sponsored by the College of Agricultural Sciences and Natural Resources on *Advising is Teaching – Advisors are Teachers*. Aug 4, 2009.
- Attended a presentation sponsored by the College of Agricultural Sciences and Natural Resources on “Advising is Teaching – Advisors are Teachers.” Aug 4, 2009
- Attended a training workshop on “Best Practices for Fair Use in Media Education Literacy,” which focused on the legal aspects of use of copyrighted materials in digital education, sponsored by the UT College of Vet. Medicine, Feb 12.
- Attended a training workshop on *Best Practices for Fair Use in Media Education Literacy*, which focused on the legal aspects of use of copyrighted materials in digital education. Feb 12, 2009
- Participated in a Webcast workshop sponsored by USDA/CCE on Planning and Managing Systems Based Trans-Disciplinary Projects for USDA/NIFA, Dec 10, 2009.
- Selected to attend an International Workshop, sponsored by the National Institute for Mathematical and Biological Synthesis, on ‘Black Box Strategies in Plant Soil Interactions.’ The workshop paired biologists with mathematical modelers to address the difficult biological questions related to the interactions between plants, microorganisms, and soil environment. Oct 15-17, 2008.

## 2008

- Annual training on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory as required by USDA-APHIS, sponsored by the UT Biosafety Program, Feb.
- Annual training on Laboratory Hazardous Waste Management, as required by Tennessee Department of Environment and Conservation; sponsored by UT Environmental Health and Safety; Dec 15.
- Attended a training workshop on an overview of the mechanics and basic information on the PRIVA computer system for the new Phase I Research Greenhouse, April 16.
- Attended the American Phytopathological Society Centennial meeting in Minneapolis, MN and presented research results (see Published Abstracts), July 26-30.
- Participated as an invited speaker and presented research results at the Conference on Insect

Pathogenic Fungi in Sustainable Agriculture: use against insects and beyond. Bellagio Study and Conference Center, Bellagio, Italy, June 23-27.

## 2007

- Attended a Faculty, Staff, Student Retreat, Department of Entomology and Plant Pathology, Mar 28
- Attended a session on “Biosafety Level 2 Containment” to maintain the BSL-2 status of my research laboratory, sponsored by the UT Biosafety Program, Feb 21
- Attended the “Building Teams in Agrotechnology and Production,” workshop, sponsored by the Tennessee Agricultural Experiment Station, Apr 9
- Attended the “Reinventing Teaching and Learning: Understanding Today’s Learners” workshop sponsored by the College of Agricultural Sciences and Natural Resources and Dr. Robert Holub, Provost and Vice Chancellor for Academic Affairs, Sep 28.
- Attended the VolAware Mental Health Awareness Program and received training on “Wellness & Suicide Prevention QPR training,” UT Counseling Center, Oct 9
- Institutional Biosafety Committee Training
  - Attended “Biosafety in Microbiological and Biomedical Laboratories Information Session” sponsored by the UT Biosafety Program to review changes in the CDC/NIH biosafety level standards of practice, Jan 17

## 2006

- Attended a Faculty, Staff, Student Retreat, sponsored by the Department of Entomology and Plant Pathology, Feb 16
- Attended a Grant Workshop on “Integrated Programs,” sponsored by USDA-CSREES, Cincinnati, OH, Feb 8-9
- Attended a session on “Biosafety Level 2 Containment” to obtain BSL-2 status for my research laboratory, sponsored by the UT Biosafety Program, Jan 17
- Attended a workshop (CMS 219) on “New Blackboard Add-ons,” sponsored by UT Innovative Technology Center, Sep 26

## 2005

- Attended a workshop on ‘Analysis of Microbial Population Genetic Data,’ American Phytopathological Society, Aug 3
- Attended a workshop on “Marketing our Achievements,” Tennessee Agricultural Experiment Station, Oct 19
- Attended the Synchronous Collaboration Virtual Summer Institute; received training on four software programs (Centra Symposium, Elluminate Live, Horizon Wimba Live Classroom, and Macromedia Breeze) for use with interactive online courses; UT Innovative Technology Center; Jun 7, 14, 21, and 28
- Attended training sessions on ‘Teaching with Technology’ sponsored by UT Innovative Technology Center, Dec 7-8
- Institutional Biosafety Committee Training
  - Attended a session on “Biosafety Level 2,” UT Biosafety Program, Jan 14.
  - Attended the Southwest Regional Conf. for Institutional Biosafety Committee Best Practices: Today and Tomorrow, co-sponsored by the Univ. of Texas and the Public Responsibility in Medicine and Research (PRIMR), San Antonio, TX, Aug 18-19.

## 2004

- Institutional Biosafety Training
  - “Biosafety Levels” and “Survey of Institutional Biosafety Committees,” sponsored by the UT Biosafety Program, Nov 30
  - “NIH Guidelines for Research involving Recombinant DNA molecules,” sponsored by the UT Biosafety Program, Nov 19
- Participated in a workshop on “EndNote Bibliographic Management Software,” sponsored by UT Hodges Library, Nov 11
- Attended a workshop, sponsored by the UT Innovative Technology Center on “Wireless Instructional Initiatives for Agricultural Sciences and Natural Resources,” Jul 19-20
- Attended training session on Real-Time Polymerase Chain Reaction, sponsored by Applied BioSystems, Jun 1
- Attended a workshop on “Good Laboratory Practices,” sponsored by West Coast Quality Training Institute; received GLP certification document, May 17-18
- Attended the Tennessee Association of Colleges and Teachers of Agriculture (TACTA) annual meeting, Knoxville, TN, Apr 8
- Attended the ESCOP/ACOP Leadership Development Program, Class 13, co-sponsored by the Experiment Station Committee on Organization and Policy and Academic Programs Committee on Organization and Policy, Feb 29 – Mar 3

## 2003

- Attended the “Tennessee means Technology” Conf., sponsored by the Tennessee Technology Development Corporation, Mar 4
- Attended the ESCOP/ACOP Leadership Development Program, Class 13, co-sponsored by the Experiment Station Committee on Organization and Policy and Academic Programs Committee on Organization and Policy, Jun 21-26
- Attended the Tennessee Biotechnology Association Life Sciences Program, sponsored by the Tennessee Biotechnology Association, Aug 20
- Participated in a workshop for on-line course development, “HTML 106: Introduction to Macromedia Dream Weaver,” sponsored by the UT Innovative Technologies Collaborative, Jan 8

## 2002

- Attended workshops sponsored by the UT Innovative Technologies Collaborative for on-line courses development:
  - CMS213, Online Assessment: Beyond the test tool
  - DM147, Capturing, editing, and delivering digital video using iMovie 2 and Cleaner 5, Mar 13
  - Instructional Technology @UT, The Power of Imagery: Utilizing Databases, Mar 8

## 2001

- Attended / participated in the “Write Winning-Grants Seminar,” by Stephen Russell, sponsored by the Tennessee Agricultural Experiment Station, Knoxville, TN, Jul 16-17
- Attended/ participated in the “Write Winning-Grants Workshop,” presented by Stephen Russell, sponsored by the Tennessee Agricultural Experiment Station, Knoxville, TN, Sep 26-28
- Attended/ participated in the Web Design Workshop for Division Officers, sponsored by the American Phytopathological Society, Salt Lake City, UT, Aug 25

## 2000

- Attended/participated in the Advanced Leadership Workshop for Division Officers, sponsored by the American Phytopathological Society, New Orleans, LA, Aug 12
- Attended/participated in the Leadership Workshop for Division Officers sponsored by the American Phytopathological Society, New Orleans, LA, Aug 12

## 1999

- Attended/participated in the Southern Regional Teaching Improvement Workshop, Blacksburg, VA, Oct 10-12
- Participated in 13 workshops sponsored by the UT Innovative Technologies Collaborative, to aid in development of on-line courses:
  - Advanced Uses of Microsoft PowerPoint; PT 161, Sep 22
  - Beyond Text; DM 144, Oct 7
  - Capturing Audio and Video; DM 244, Oct 14
  - Effective Uses of Technology; LS 153, Oct 20
  - Facilitating Communications; CMS 112, Oct 14
  - Gathering Still Graphic Images; DM 140, Sep 15
  - Introduction to Adobe Acrobat; PT 162, Sep 21
  - Introduction to CourseInfo; CMS 110, Sep 14
  - Managing Assignments and Grades; CMS 113, Oct 18
  - Organizing Course Materials; CMS 111, Oct 20
  - Preparing Graphics for the Web; DM 143, Sep 23
  - Teaching and Learning with Technology; LS 151, Oct 13
  - Thinknology; LS 152, Oct 19

## 1998

- Attended the Tennessee Association of Colleges and Teachers of Agriculture Annual Mtg, Knoxville, TN, Apr 1
- Participated in the North Central Regional Workshop on NRI Competitive Grants, sponsored by U.S.D.A. – C.S.R.E.E.S., Kansas City, MO, Nov 4
- Participated in three workshops sponsored by the UTK Innovative Technologies Collaborative:
  - Advanced Uses of Microsoft PowerPoint, PT161, Apr 29
  - Creating a Web-based Syllabus, Web IT 132, Mar 10
  - Ways to Incorporate the Web into your Teaching, WEB IT 130, Feb 24

## 1997

- Attended the Professional Development Conf. for Women, Knoxville, TN, Mar 18
- Participated in a Teaching/Learning Workshop sponsored by the College of Agricultural Sciences and Natural Resources on “Instructional Technology”

## 1996

- Attended a Workshop on Faculty Development: Promotion and Tenure, UTK, Oct 1
- Attended a Workshop on Successful Grant Proposal Writing sponsored by the Tennessee Agricultural Experiment Station, Dec 13
- Attended the Professional Development Conf. for Women, Knoxville, TN, Mar 28
- Participated in a Proposal Writing Workshop sponsored by the UT Office of Research

## 1995

- Attended the 6<sup>th</sup> Gatlinburg Symposium on Sustainable Agriculture: Crop Improvement and Resource Management, sponsored by the Center for Legume Research
- Participated in a workshop on "Testing and grading," sponsored by the UT Teaching Council

**1994**

- Attended the 5<sup>th</sup> Gatlinburg Symposium on Plant Biotechnology Transfer, sponsored by the Center for Legume Research
- Attended the Southern Region Teaching Symposium, Research Triangle Park, NC
- Participated in an Intellectual Properties Workshop co-sponsored by the University of Tennessee, Office of Research Administration, Office of Research and Technology Development, and the University of Tennessee Research Corporation

**1993**

- Attended the Teaching/ Learning Improvement Workshop, "Teaching, Enriching the Experience," sponsored by the UT Institute of Agriculture