

# Michael E. Wilson

---

[www.my4acres.com](http://www.my4acres.com)

## EDUCATION

- 2011. Master of Science. University of Tennessee, Dept. of Entomology and Plant Pathology. Thesis. “Bee visitation to crops and other flowers planted as bee food”
  - Crop production, Statistics (SAS and R, linear mixed models, ordination, QTL analysis), insect sampling and taxonomy, plant problem diagnostics, community ecology, genomics
- 2000-2004. Science and education curriculum (37hrs.) University of Tennessee
  - Education, botany, ecology, chemistry, managing museums and obtaining grants
- 1998. Bachelor of Fine Arts. University of Tennessee
  - Design, photography, video, film, oil painting, metal sculpture, art history, anthropology

## EMPLOYMENT

- 2006 – Present. University of Tennessee, Office of Information Technology (OIT). IT Technologist III
  - 2008 – Present. 50% effort on grant programs in the Dept. of Entomology and Plant Pathology
    - Editing and authoring of instructional content with scientific accuracy and coordination among over 100 university faculty and USDA personnel
    - Website programming and graphic design: CSS, HTML, and PHP scripting, Content Management Systems (Wordpress and SharePoint), Photoshop
    - Communication: Email marketing to 1,000’s of individuals, online and phone conferencing, social media integration, presentations at conferences and workshops
    - Evaluation using web statistics: Google Analytics and social media evaluation tools
    - Grant writing and reporting
    - Video editing: Imovie and Final Cut Pro
    - Survey administration, online components: IRB compliance, survey programming, editing, distribution, reporting, and marketing
    - Data management: spreadsheets, databases, interpretive tables and figures
    - Direct sub-contractors and other employees for specific tasks
    - Plan and implements job functions that will improve the reach and quality of web-based outreach
  - 2006 – Present. Documentation Coordinator for University System and Campus centrally supported computing hardware for staff of 12 at OIT Operations data centers. Technical writing of procedures, training materials, and hardware configuration.
    - Operating guide to enterprise computing systems for staff of 12
    - Instruction guide for University of Tennessee after hours computing help desk
    - Environmental monitoring of 4 data centers utilizing AVTECH systems
    - Emergency backup procedures for UT Campus & System computing systems
    - Network documentation and monitoring: tracking and labeling of 2,126 servers utilizing an Access database

# Michael E. Wilson

---

www.my4acres.com

- Coordinated maintenance issues in emergency situations and to minimize downtime with Facilities and support contractors
- Coordinate with system administrators: hardware monitoring, problem resolution, and operations
- 2000 – 2005. University of Tennessee, OIT. IT Technologist I
  - Customer service, system and environmental monitoring, operations for University System and Campus centrally supported computing hardware

## FARM BUSINESS MANAGEMENT

- Rosecomb Apiaries: A sole-proprietorship farm that produces and direct markets honey, colonies of bees, and queens since 2006 with 75 honey bee colonies across 6 apiary locations
  - 2011 production: 100 bee colonies for sale and expansion, 120 queens, 150 gallons honey
  - Caprine production 2004 – 2010. Produced 56 Purebred Nubian dairy goats for sale and home milk production.
  - Business accounting, regulatory compliance, tractor operation

## PUBLICATIONS

- Wilson, M. W. (2011). Bee visitation to crops and other flowers planted as bee food. Master's thesis. University of Tennessee.
- Wilson, M. W., Skinner, J., Delaplane, K., and Pettis, J. (2010). Bee Health @ eXtension.org: A web platform for the creation and dissemination of science-based recommendations. Proceedings of the American Bee Research Conference, 2010. American Bee Journal, 150 (4) 497- 511.
- Wilson, M. and Skinner, J. (2009). European foulbrood: A bacterial disease affecting honey bee brood. eXtension.org website:  
[http://www.extension.org/pages/European\\_Foulbrood:\\_A\\_Bacterial\\_Disease\\_Affecting\\_Honey\\_Bee\\_Brood](http://www.extension.org/pages/European_Foulbrood:_A_Bacterial_Disease_Affecting_Honey_Bee_Brood).
- Wilson, M. W., Skinner, J., and Chadwell, L. (2009). Measuring the effects of foundation on honey bee colonies: a SARE producer grant project. Abstract. Proceedings of the American Bee Research Conference, 2009. American Bee Journal, 149(6), 585-590.

## PRESENTATIONS AND WORKSHOP INSTRUCTION

- National Beekeeper Surveys and Results, Bee Biology and Certified Production. Blount County Beekeepers Association. Maryville, TN. November 14<sup>th</sup>, 2011
- The Bee Informed Partnership blog. Knox County Beekeepers Association. Knoxville, TN. October 3<sup>rd</sup>, 2011
- Intro to honey bees. South Clinton Elementary. Kindergarten class. 2009, 2010, September 13, 2011

# Michael E. Wilson

---

www.my4acres.com

- Bee communities, honey bee history, and crop pollination. Anderson County Beekeepers Association. Clinton, TN. August 15, 2011
- Queen rearing mini-course instructor: Heartland Apicultural Society Conference. Vincennes, IN. July 8 – 10th, 2011
- Beekeeper field day instructor: Anderson County Beekeepers Association. Oak Ridge, TN. 2009, 2010, April 9<sup>th</sup>, 2011
- Bee communities at crops and bee food plots. M.S. Thesis exit seminar. University of Tennessee. Knoxville, TN. April 1, 2011
- Starting with bees: beginning beekeeping course. Anderson County Beekeepers Association. Oak Ridge, TN. March 20th, 2010, March 26th, 2011
- Bee communities at crop flowers and bee food plots. 2011 American Bee Research Conference. Galveston, TX. January 7th, 2011
- Pollination in East Tennessee. Anderson County Beekeepers Association. Sept 20th, 2010
- Queen rearing mini-course organizer and instructor: Heartland Apicultural Society Conference. Cookeville, TN. July 8 – 10<sup>th</sup>, 2010
- Types of honey bees: Species, sub-species, traits, etc. University of Tennessee beginner beekeeping school. Knoxville, TN. May 25, 2010
- Native bee nests and breeding honey bees to be treatment free. University of Tennessee Organic Crop Production Workshop Series. Knoxville, TN. April 12th, 2010
- Varroa Sensitive Hygiene (VSH) trait in honey bees explained. Anderson County Beekeepers Association. Clinton, TN. February 15th, 2010
- Bee Health @ eXtension.org: A web platform for the creation and dissemination of science-based recommendations. American Bee Research Conference. Orlando, FL. January 13th, 2010
- Ag. Day booth presenter, University of Tennessee Institute of Agriculture event for the public. Knoxville, TN. 2007, 2008, 2010
- Engaging the research community. eXtension.org National Conference. St. Louis, MO. October 21st, 2009
- Building connections between research communities and eXtension. eXtension.org National Conference. St. Louis, MO. October 21st, 2009
- A trial of natural comb management in honey bee colonies. Tennessee Entomological Society. Nashville, TN. October 15th, 2009
- Indiana Beekeepers Association. Summer meeting field courses setup and instruction. Lafayette, IN. August, 2009
- Honey bee disease and pests. Anderson County Beekeepers Association. Clinton, TN. August 17, 2009
- Pollination on organic farms in TN: Information gleaned from bee visitation data. 2009 Organic Crop Production Workshop Series for Growers & Agriculture Professionals. University of Tennessee. Knoxville, TN. July 13, 2009; online Saba/Centra extension staff session. July 8, 2009

# Michael E. Wilson

---

www.my4acres.com

- Pollination on small farms. Organic Crops Field Tour. East Tennessee Research and Education Center, Organic Crops Unit, Field Day. Knoxville, TN. May 15th, 2009
- Monthly meetings introduction: Anderson County Beekeepers Association. Clinton, TN. 2009
- Measuring the effects of foundation on honey bee colonies: a SARE producer grant project. American Bee Research Conference. Gainesville, FL. February 6th, 2009
- Crop Pollination in East TN: How important are non-*Apis* pollinators and how can management practices be used to their benefit? University of Tennessee, Entomology and Plant Pathology, M.S. proposal seminar. Knoxville, TN. October 3rd, 2008; Tennessee Entomological Society. Nashville, TN. October 9, 2008

## WEBSITE DESIGN AND MANAGEMENT

- 2011 - present. [beeinformed.org](http://beeinformed.org/). The Bee Informed Partnership blog and homepage. A USDA-NIFA CAP project website. <http://beeinformed.org/>
- 2011 - present. [test.my4acres.com](http://test.my4acres.com). My portfolio homepage. <http://test.my4acres.com>
- 2011 - present. [rosecombapiaries.com](http://rosecombapiaries.com/). My beekeeping business website. <http://rosecombapiaries.com/>
- 2008 - present. [bees.tennessee.edu](http://bees.tennessee.edu/). University of Tennessee, Bees and Beekeeping. Currently migrating to SharePoint. <http://bees.tennessee.edu/>
- 2008 - present. [extension.org/bee\\_health](http://www.extension.org/bee_health). A coordinated web-based outreach system for University and USDA personnel. Content manager for Bee Health community. [http://www.extension.org/bee\\_health](http://www.extension.org/bee_health)
- 2007 - present. [acbeekeepers.org](http://acbeekeepers.org/). Anderson County Beekeepers Association. <http://acbeekeepers.org/>
- 2007 - 2009. [thechapelonthehill.org](http://thechapelonthehill.org/). The Chapel on the Hill homepage. <http://thechapelonthehill.org/>

## VIDEO, FILM, AND EDITING

- A Bee Tree: Removing Bees from a Tree. 2011 <http://youtu.be/Pq-Ca9lh9Yk>

## SOFTWARE EXPERIENCE

- Statistics: SAS and R; linear mixed models, ordination, QTL analysis
- Data management: Microsoft Access databases, MySQL, VBA scripting, spreadsheets
- Online Surveys: InstantSurvey.com
- Graphics: Photoshop, web and print
- Video editing software: Imovie, Final Cut Pro
- Content Management System administration: Wordpress, SharePoint, Joomla!
- Web programming: HTML, CSS, MediaWiki, PHP, Dreamweaver
- Internet servers: MySQL and phpMyAdmin, PHP, Apache, FTP, SharePoint
- Evaluation: Google Analytics, YouTube Insight, SWIX Analytics

# Michael E. Wilson

---

www.my4acres.com

- Online conferencing: Adobe Acrobat Connect, Saba/Centra
- Email mass marketing: Bronto.com

## GRANTS AWARDED

- Tennessee Department of Agriculture, Producer Diversification Cost Share Program in Honey Bees, 2005-2006, \$562; 2006-2007, \$709; 2007-2008, \$467; 2008-2009, \$3,348; 2009-2010, \$1,923; 2011-2012, \$2,946
- Southern Region Sustainable Agriculture Research and Education, Graduate Student Grant 2008-2010 “Providing Habitat for Native Pollinators and Determination of Native Pollinator Contribution to Pollination of Cucurbits and Blueberries on Farm Sites” \$10,000
- Southern Region Sustainable Agriculture Research and Education, Producer Grant Program 2007-2009 “Natural Comb Management of Honey Bees for Varroa Control” \$15,000

## OTHER GRANTS AND CONTRACTS ADMINISTRATION

Grant reporting and assistance for University of Tennessee sub-awards relating to the following

- USDA-NIFA CAP Sustainable Solutions to Problems Affecting Health of Managed Bees. 2008 - 2012, \$4.1 million. University of Georgia sub-award \$250,000
- USDA-NIFA CAP The Bee Informed Platform (BIP): A Nationwide Network for Monitoring and Maintaining Honey Bee Health and Pollination Services, 2011 – 2016, \$5 million. University of Maryland sub -award \$119,000
- USDA-ARS Improving Honey Bee Health, Survivorship, and Pollination Availability. Specific Cooperative Agreement, 2008 – 2012, \$130,000
- USDA-NIFA New Technologies for Ag Extension (NTAE). University of Nebraska, CoP Leadership Funds, 2011, \$15,000 sub-award
- USDA-SCRI Pollination Security for Fruit and Vegetable Crops in the Northeast, 2012 – 2017, \$3.3 million. University of Massachusetts Amherst, \$87,500 sub-award

## COMMITTEES AND ORGANIZATIONS

- Content Management Board. eXtension.org. 2008-present
- Systems Security Controls and Standards Working Group. University of Tennessee, Office of Information Technology (OIT). 2009
- President. Anderson County Beekeepers Association. 2009
- Bird Flu Pandemic Planning Committee. University of Tennessee, (OIT). 2006

# Michael E. Wilson

---

[www.my4acres.com](http://www.my4acres.com)

## AWARDS AND HONORS

- American Association of Professional Apiculturists (AAPA) Student Paper Award – American Bee Research Conference. Gainesville, FL. 2009