

## Curriculum Vitae

### Greta L. Schuster, Ph.D.

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#### EDUCATION

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- Ph.D., Plant Pathology & Microbiology, Texas A&M University, College Station, TX, 1994  
DISSERTATION: Cultured peanut (*Arachis hypogaea* L.) and Tobacco (*Nicotiana glauca* L.) Cells Infected with Tomato Spotted Wilt Virus for Virus and Vector Studies.
- M.S., Agronomy, East Texas State University, Commerce, TX, 1991  
THESIS: The Use of Fungicides for the Control of Foliar Diseases in Winter Wheat (*Triticum aestivum* L.) in the Northern Texas Blacklands.
- B.S., Animal Science, East Texas State University, Commerce, TX, 1985

#### PROFESSIONAL EXPERIENCE

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| 2017-present  | Chair, Dept. of Agriculture, Agribusiness, and Environmental Science, Texas A&M University - Kingsville, Kingsville  |
| 2016 -2017    | Interim Chair, Dept. of Agriculture, Agribusiness, and Environmental Science, Texas A&M University - Kingsville, Kingsville  |
| 2008- Present | Professor, Agronomy/Integrated Pest Management, Texas A&M University-Kingsville, Kingsville, TX<br><u>Appt:</u> 75% Teaching; 25% Texas A&M AgriLife Extension - Plant Pathology;<br>Sept. 2013 - Promoted to Professor; Sept. 2012 - Awarded Tenure |
| 1998-2007     | Associate Professor, Integrated Pest Management, West Texas A&M University, Canyon, TX<br><u>Appt:</u> 50% Teaching; 25% Texas A&M AgriLife Extension- Plant Pathology; 25% Research; Aug. 2004 - Tenure and Promotion awarded                       |
| 1995-1998     | AgriLife Extension IPM Agent, Texas, Dimmitt, TX (Castro and Lamb Co.)   |

#### ACADEMIC HONORS AND AWARDS

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- **TAMUK Distinguished Teaching Award**, Texas A&M University - Kingsville Alumni, October 14, 2016
- **Chancellor's Academy of Teacher Educators of the A&M System' Award**, Texas A&M University, 2014-2015.
- **Senior Teaching Award**, Dick & Mary Lewis Kleberg College of Agriculture, April, 2012-2013.
- **Advising Award**, Dick & Mary Lewis Kleberg College of Agriculture, April, 2011-2012.
- **Chancellor's Teaching Excellence**, Texas A&M University, 2011.
- **Junior Research Award**, Dick & Mary Lewis Kleberg College of Agriculture, April 2009-2010.
- **Chancellor's Teaching Excellence**, Texas A&M University, 2009.
- **Chancellor's Teaching Excellence**, Texas A&M University, 2008.
- **Outstanding Club Advisor**, West Texas A&M University, 2002-2003.
- **Distinguished Graduate Faculty**, West Texas A&M University, 2001-2002.
- **Outstanding Agriculture Professor**, West Texas A&M University Alpha Zeta, 2001.
- **Gamma Sigma Delta Honor Society** at Texas A&M University, 1994.

## TEACHING EXPERIENCE

*Courses Taught: Plant and Soils Science (PLSS)*

- **Introduction to Integrated Pest Management-PLSS 4312: (S'19)** Management practices used to control agricultural, horticultural, wildlife and animal pests.
- General Plant Science & Lab-PLSS 1407: Fundamentals of growth, development, and cultivation of plants.
- General Entomology-PLSS 3318: Classification, life histories, habits, and management practices of insect pests
- Vegetable Crop Production-PLSS 3344: Study of principle and practices used in commercial production, harvesting, storage and processing of fruit and vegetable crops.
- Introduction to Plant Pathology-PLSS 4328: Comprehensive study of plant diseases
- Weed Management in Crops-PLSS 3334: Proper selection, mode of action and application of chemicals for proper weed control and management.
- Field and Forage Crop Production-PLSS 3325; Production practices; environmental considerations in the production of field crops
- Agriculture and Human Sciences as Professions-AGRI 1201: Designed to help the student define the role of Agriculture and Human Sciences in society.

## PUBLICATIONS (Chronological Order)

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McCuiston, K., J. L. Foster, G. **Schuster**, D. Wester, Z. Lopez, A. M. Umphres, and A. Coronado. 2017. Forage mass, nutritive value, and in situ degradation of sorghum silage treated with fibrolytic enzymes. *Crop, Forage & Turfgrass Management* 3:2016-12-0077. doi:10.2134/cftm2016.12.0077

Wang, H. H., P.D. Teel, W. E. Grant. G. L. **Schuster**, and A. A. Perez de Leon. 2016. Simulated interactions of white-tailed deer (*Odocoileus virginianus*), climate variation and habitat heterogeneity on southern cattle tick (*Rhipicephalus* (*Boophilus*) *microplus*) eradication methods in south Texas, USA. *Ecological Modelling*, 342:82-96.

**Schuster**, G., E. G. Medrano, and K. Field- Huey. 2016. Cotton (*Gossypium hirsutum* L.) boll rot and associated microorganisms in South Texas Fields. *Agricultural Sciences*, 7:732-746, [http://file.scirp.org/pdf/AS\\_2016102714002081.pdf](http://file.scirp.org/pdf/AS_2016102714002081.pdf)

Goolsby, J.A., T. Mays, G. **Schuster**, J. Kashefi, L. Smith, M. Flores-Cruz, D. Amalin, and A. Perez deLeon. 2016. Rationale for classical biological control of cattle fever ticks and proposed methods for field collection of natural enemies. *Subtropical Agriculture and Environments*, 66:7-15.

Vemula, Satya R., P. Porter, G. L. **Schuster**, and B. E. Lewis. 2016. Susceptibility of *Helicoverpa zea* to commercial insecticides used in green bean production on Texas High Plains. *The Texas Journal of Agriculture and Natural Resource* 25:1-12.

Simpson, C.R., S.D. Nelson, J.C. Melgar, J. Jifon, and G. **Schuster**. 2015. Effects of salinity on physiological parameters of grafted and ungrafted citrus trees. *Scientia Horticulturae* 197:483-489.

Simpson, C.R., S. King, S.D. Nelson, J. Jifon, G. **Schuster**, and A. Volder. 2015. Salinity evaluation of watermelon (*Citrullus lanatus*) grafted with different rootstocks. *Subtropical Agriculture and Environment*, 66:1-6.

Litt, Andrea R., E.E., Cord, T.E. Fulbright, and G.L. **Schuster**. 2014. Effects of Invasive Plants on Arthropod. *Conservation Biology*, Volume 28, No. 6, 1532-1549.

Simpson, C.R., S.D. Nelson, J.C. Melgar, S. King, J. Jifon, G. **Schuster**, G. and A. Volder. 2014. Growth response of grafted and non-grafted citrus trees to saline irrigation. *Scientia Horticulturae* 169:199-205.

**Schuster**, G. L., K. E. Moulton, J. Donaldson, M. Castelaw, J. O. Buntyn, S. M. Falkenberg, S. Willard, P. Ryan, H. A. Duoss, D. T. Dawson, T. Callaway, J. Carroll, and T. B. Schmidt. 2013. Use of biophotonic *E. coli*-Xen14 to determine time of contamination in the life cycle of the house fly, *Musca domestica* (Diptera: Muscidae). *Foodborne Pathogens and Disease*, Vol. 10(5): 442-447.

Fisher, Amanda C., G. **Schuster**, W. J. Cobb, A. J. James, S. Cooper, A. Pérez de León, and P. J. Holman. 2013. Molecular characterization of *Trypanosoma* spp. infecting cattle (*Bos taurus*), white-tailed deer (*Odocoileus virginianus*) and elk (*Cervus elaphus canadensis*) and in the United States. *Veterinary Parasitological*, 197: 9-42.

**Schuster**, Greta, S., Lukefahr, K. McCuiston, and R. Hanagriff. 2012. Measuring the Economic Potential of Utilizing Sweet Potato Production in Small Animal Forage and Crop Production System: A Systems Approach. *The Journal of American Academy of Business*, Cambridge. 17(2): 212-222.

Vemula, Satya, P. Porter, G. L. **Schuster**, and B. E. Lewis. 2012. Susceptibility of *Helicoverpa Zea* to commercial insecticides in green bean production on the Texas High Plains. *The Texas Journal of Agriculture and Natural Resources*, 25:1-12.

Wheeler, T. A. , V. Choppakatla, D. O. Porter, G. L. **Schuster**, B. G. Mullinix Jr., and A. M. Schubert 2012. Irrigation Rate and Fungicide Effects on Peanut Kernel Damage, Yield, and Net Return. *Peanut Science*: July 2012, Vol. 39, No. 2, pp. 88-94.