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Soil and Water Science Department  
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### **Education and Training**

B.S., Environmental Science, Virginia Polytechnic Institute & State University, 1998  
B.A., Chemistry, Virginia Polytechnic Institute & State University, 1998  
M.S., Soil Science, Pennsylvania State University, 2002  
Ph.D., Plant and Soil Science, University of Delaware, 2006

### **Research and Professional Experience**

Assistant Professor, Soil and Water Science Department, Gulf Coast Research and Education Center, University of Florida, 2006-present  
Institute of Soil and Environmental Quality Graduate Research Fellow, Department of Plant and Soil Sciences, University of Delaware, 2002-2006  
Graduate Research Assistant, Department of Crop and Soil Sciences, Pennsylvania State University, 1999-2002

### **Refereed Publications**

- Shober, A.L.**, G.C. Denny, and T.K. Broschat. 2009. Management of fertilizers and water for ornamental plants in urban landscapes: Current practices and impacts on water resources in Florida. HortTechnology. In Press.
- Shober, A.L.**, K.A. Moore, C. Wiese, S.M. Scheiber, E. F. Gilman, M. Paz, M.M. Brennan and S. Vyapari. 2009. Irrigation frequency affects growth of sweet viburnum during landscape establishment in three hardiness zones. HortScience. In Press.
- Gilman, E.F., C.L. Wiese, M. Paz, **A.L. Shober**, S.M. Scheiber, K.A. Moore, and M.M. Brennan. 2009. Effects of irrigation volume and frequency on shrub establishment in the landscape. Journal of Environmental Horticulture. In Press.
- Wiese, C.L., **A.L. Shober**, E.F. Gilman, M. Paz, K.A. Moore, S.M. Scheiber, M.M. Brennan and S. Vyapari. 2009. Effects of irrigation frequency during establishment on the growth of *Ilex cornuta* 'Burfordii Nana' and *Pittosporum tobira* 'Variegata'. HortScience. In Press.
- Shober, A.L.** and J.T. Sims. 2009. Evaluating phosphorus release from biosolids and manure amended soils under reducing conditions. Journal of Environmental Quality. 38(1):309-319.
- Shober, A.L.**, G.L. Leibee, and M.L. Kok-Yokomi. 2008. Response of *Loropetalum chinense* var. *rubrum* 'Ruby' to foliar applications of micronutrient fertilizers and miticide. Journal of Environmental Horticulture. 26(4):235-238.
- Shober, A.L.** and J.T. Sims. 2007. Integrating phosphorus source and soil properties into risk assessments for phosphorus loss. Soil Science Society of America Journal. 71: 551-560.

- Shober, A.L.**, R.C. Stehouwer, and K.E. MacNeal. 2007. Chemical fractionation of trace elements in biosolids-amended soils and correlation with trace elements in crop tissue. *Communications in Soil Science and Plant Analysis*. 38: 1029-1046.
- Kleinman, P. J., D. Sullivan, A. Wolf, R.C. Brandt, Z. Dou, H.A. Elliott, J. Kovar, A. Leytem, R. Maguire, P. Moore, L. Saporito, A.N. Sharpley, **A.L. Shober**, J.T. Sims, G. Toor, J. Toth, H. Zhang, and T. Zhang. 2007. Selection of a water extractable phosphorus test for manure and biosolids as an indicator of runoff loss potential. *Journal of Environmental Quality*. 36:1357-1367.
- Shober, A.L.**, D.L. Hesterberg, J.T. Sims and S. Gardner. 2006. Characterization phosphorus species in biosolids and manures using XANES spectroscopy. *Journal of Environmental Quality*. 35(6):1983-1993.
- Shober, A.L.** and J.T. Sims. 2003. Phosphorus restrictions for land application of biosolids: Current status and future trends. *Journal of Environmental Quality*. 32(6):1955-1964.
- Shober, A.L.**, R.C. Stehouwer, and K.E. MacNeal. 2003. On-farm assessment of biosolids effects on soil and crop tissue quality. *Journal of Environmental Quality*. 32(5):1873-1880.

#### **Peer-Reviewed Extension Publications**

- Shober, A.L.** 2009. Drinking water source protection in the Tampa Bay Region: A guide for homeowners. SL280/SS493. University of Florida – IFAS, Gainesville, FL.  
<http://edis.ifas.ufl.edu/SS493>.
- Shober, A.L.** and R.S. Mylavarapu. 2009. Soil sampling and testing for the home landscape or vegetable garden. EDIS Document SL281/SS494. University of Florida – IFAS, Gainesville, FL. Available at [http://edis.ifas.ufl.edu/document\\_ss494](http://edis.ifas.ufl.edu/document_ss494).
- Gilman, E.F., **A.L. Shober**, K.A. Moore, C. Wiese, M. Paz, S.M. Scheiber. 2009. Establishing shrubs in Florida landscapes. EDIS Document ENH1130/EP391. University of Florida – IFAS, Gainesville, FL. Available at <http://edis.ifas.ufl.edu/EP391>.
- Gilman, E.F., **A.L. Shober**, K. Moore, C. Wiese, M. Paz. 2009. Planting shrubs in Florida landscapes. EDIS Document ENH1129/EP390. University of Florida – IFAS, Gainesville, FL. Available at <http://edis.ifas.ufl.edu/EP390>.
- Trenholm, L.E. and **A.L. Shober**. 2009. Preparing to plant a Florida lawn. EDIS Document ENH02/LH012. University of Florida – IFAS, Gainesville, FL. Available at [http://edis.ifas.ufl.edu/document\\_lh012](http://edis.ifas.ufl.edu/document_lh012).
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: Soil drainage and water holding capacity. EDIS Document SL272/MG453. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG453>.
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: Organisms in the soil. EDIS Document SL271/MG452. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG452>.
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: Soil physical properties. EDIS Document SL268/MG451. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG451>.

- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: Soil fertility. EDIS Document SL267/MG450. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG450>.
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: The Florida gardener's guide to landscape fertilizers. EDIS Document SL266/MG448. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG448>.
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: Tackling soil salinity in the home landscape. EDIS Document SL262/MG447. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG447>.
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: Phosphorus in the home landscape. EDIS Document SL261/MG446. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG446>.
- Shober, A.L.** 2008. Soils and fertilizers for Master Gardeners: The soil profile and soil classification. EDIS Document SL260/MG445. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG445>.
- Shober, A.L.** 2008. Nitrogen in the home landscape. EDIS Document SL254/SS479. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/SS479>.
- Shober, A.L.,** and G.C. Denny. 2008. Soil pH and the home landscape or garden. EDIS Document SL256/SS480. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/SS480>.
- Shober, A.L.** and T.A. Obreza. 2008. Soils and fertilizers for Master Gardeners: Soil formation in Florida. EDIS Document SL274/MG455. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG455>.
- Shober, A.L.** and G.S. Toor 2008. Soils and fertilizers for Master Gardeners: Urban soils and their management issues. EDIS Document SL276/MG456. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG456>.
- Dukes, M.D., L.E. Trenholm, E. Gilman, C.J. Martinez, J.L. Cisar, T.H. Yeager, **A. Shober** and G. Denny. 2008. Frequently asked questions about landscape irrigation for Florida-friendly landscaping ordinances. EDIS Document ENH1114/WQ142. University of Florida – IFAS, Gainesville, FL. [http://edis.ifas.ufl.edu/document\\_wq142](http://edis.ifas.ufl.edu/document_wq142).
- \*Loper, S. and **A.L. Shober**. 2008. Soils and fertilizers for Master Gardeners: Glossary of soil and fertilizer terms. EDIS Document SL277/MG457. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG457>.
- Toor, G.S., and **A.L. Shober**. 2008. Soils and fertilizers for Master Gardeners: Soil organic matter and organic amendments. EDIS Document SL273/MG454. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG454>.
- Trenholm, L., E. Momol, **A. Shober**, G. Denny and T. Nell. 2008. Frequently asked questions about Florida-friendly landscaping. EDIS Document ENH1113/WQ144. University of Florida – IFAS, Gainesville, FL. [http://edis.ifas.ufl.edu/document\\_wq144](http://edis.ifas.ufl.edu/document_wq144).

**Shober, A.L.**, and G. Leibee. 2007. Strategies to control Loropetalum decline in Central Florida. EDIS Document SL255/SS477. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/SS477>.

Knox, G.W., S.M. Scheiber, L. Trenholm, **A. Shober**, K.A. Moore, M. Paz, and E.F. Gilman. 2007. Coping with drought in the landscape. EDIS Document ENH70/MG026. University of Florida – IFAS, Gainesville, FL. <http://edis.ifas.ufl.edu/MG026>.

### **Professional Activities**

- Graduate School Workshop Committee Chair, American Society of Agronomy
- Watershed Education and Restoration Workgroup Member, USDA CSREES National Water Program Regions 4 & 6
- Best Management Practices Workgroup Member, SERA-17 Multistate Project
- Member, Soil Science Society of America
- Member, American Society of Agronomy
- Member, American Society for Horticultural Science

### **Honors and Awards**

- Editor's Citation for Excellence in Manuscript Review, Journal of Environmental Quality, ASA-CSSA-SSSA, 2008
- Outstanding Graduate Student Award, American Society of Agronomy Northeastern Branch, 2006
- Presidential Management Fellowship Finalist, U.S. Office of Personnel Management, 2006
- J. Fielding Reed Fellowship, Potash and Phosphate Institute (PPI) (2005)
- Hazel Burgett Endowed Scholar Award, Philanthropic Education Organization (P.E.O) (2004)
- Outstanding Graduate Student Presentation (2nd place), American Society of Agronomy – Northeastern Branch (2004)
- Gerald T. Gentry Award for Excellence in Graduate Research, Pennsylvania State University (2002)
- Outstanding Graduate Student Presentation (3rd place), American Society of Agronomy – Northeastern Branch (2001)