

ELIZABETH GUERTAL – SHORT VERSION (2024)

EDUCATION: B.S. Agriculture. 1984. The Ohio State University; M.S. Soil Science. 1988. The Ohio State University. Ph.D. Soil Science. 1993. Oklahoma State University.

EMPLOYMENT

1984 to 1988. Graduate Student Teaching Assistant, The Ohio State University, Dept. of Agronomy
1988 to 1993. Graduate Research Fellow. Oklahoma State University.

1993 to 2022: All at Auburn Univ, AL: Assistant Prof, Soil Fertility (93 to 98), Associate Prof, Soil Fertility (98 to 00), Alumni Assoc Prof (00 to 03), Soil Fertility, Alumni Prof (03 to 06), Soil Fertility, Prof (06 to 2016), Rowe Endowed Prof (2016 to 2022) - Soil Fertility

2022-present: Project Director, Sustainable Intensification Innovation Lab, Kansas State University

SELECTED HONORS AND AWARDS

1. Auburn University Leischuck Endowed Presidential Award for Excellence in Teaching, 2010.
2. Awarded 'Alumni Assoc Prof', 2000, Auburn Univ. 5-year title for 5 highly productive faculty at Auburn.
3. Fellow, American Society of Agronomy (ASA), 2009.
4. Fulbright Fellowship, University of Mauritius, 2009-2010.
5. Fellow, Crop Science Society of America (CSSA), 2011.
6. Fellow, Soil Science Society of America (SSSA), 2013.
7. Grau Award for Turfgrass Science, Crop Science Society of America, 2021.
8. Jefferson Science Fellow, placed with USAID, 2021-2022
8. CSSA Presidential Award, 2022
9. AAAS Fellow, 2023
10. CSSA Massingale Invited Lecture, 2024

TEACHING

At Auburn, taught 2 classes/year for 28 years. Developed two courses for non-science based majors, for science credit (Crops and Life and Soils and Life). Taught Intro Soil Science, Soil Fertility, Intro Turfgrass Mngt, Adv Turfgrass Mngt and Senior Seminar/Internship courses. All courses taught both as live and virtual options. Average enrollment ~24/course.

ENGAGEMENT

Give, on average, 18 workshops or seminars in the area of turfgrass soil management, soil testing and soil fertility per year. This work is typically in the area of soils management for golf courses and other athletic field turf, including sports facilities and equestrian venues (race tracks, steeplechase and eventing). Invited speaker at meetings in 40 states, and in England, Vietnam, Philippines, Jamaica, Thailand, Argentina, Mexico, Cuba, Mauritius, China, Japan, Sweden, Netherlands, Brazil, and Germany.

GRADUATE STUDENT TRAINING, 1993 to 2023

MS – Advisor: 29, PhD - Advisor: 3, MS – Committee Member: 26, PhD – Committee member:

17. In every year (1993-2024) at least one graduate student graduated from her program.

GRANT ACTIVITY

Total grant funding as Senior (or sole) PI (1993-2023): \$3.1 million, Total as Junior PI: 1.2 million. Co-author on 6 invention disclosures/patents.

Served as Panel Manager for the USDA-NIFA Soils and Soil Biology program, 2002, and panel member for numerous other USDA and NSF grant panels (1998 to 2024).

Currently a member of the United States Golf Association Green Section, the research advisory (12 members) service for the USGA. Also serve on the Golf Course Superintendents Association of America (GCSAA) grant selection panel.

PUBLICATIONS

Books or book chapters: 6; Refereed journal articles: 78 (70% authored or co-authored by a graduate student of Guertal); Abstracts: 212; Trade publications/articles: 132; Webinars (given in both English and Spanish): 72. Field days attended/presentations: 62 (approximately 2/year).

TRI-SOCIETY SERVICE (ASA-CSSA-SSSA - SELECTED ACTIVITIES)

Technical Editor, *Agronomy J*, 2020 and 2024 (papers submitted for the International Turfgrass Meetings), President, Crop Science Society of America, 2019, Chief Editor of all Agronomy publications, American Society of Agronomy, 2014 – 2017, Associate Editor, *Soils, Agronomy Journal*, 1995-1999, Associate Editor, *Division S-8, Soil Science Society of America Journal*, 1996 – 2003, Associate Editor, *Crop Science*, 2002 – 2007, Technical Editor, *Crop Science*, 2007 – 2012, Chair, *Division C-5 (Turfgrass Science)*, Crop Science Society of America, 2006, Member of the steering committee for ASA CCA (Certified Crop Advisor), Secretary/Treasurer, Southern Branch American Society of Agronomy, 1996-1997, Program Chair, 1998 and 1999, Vice President, *Soils*, 1999, President, 2000, Treasurer, 2001. Southern area CCA Committee, 2019-present.

OTHER EXAMPLE SERVICE

Chair, Parental leave committee, Auburn University - 2020.

Chair, Auburn University Strategic Planning Committee, 2018.

Member, Auburn University Promotion and Tenure committee, 2006-2009 and 2019-2022.

Chair, Auburn University Provosts Commission on Women in Academic Careers, 2014.

Auburn University Committee on Intercollegiate Athletics, 2004-2009.

Lead writer, Self-study document for the NCAA 10-year review of the AU Athletic Dept., 2006

United States Jockey Club Turfed Surface Safety Committee, 2018-2021.