

Erik H. Ervin, Ph.D. (eervin@udel.edu)

EDUCATION

- Ph.D. Horticulture. Colorado State University. 1998.
- M.S. Horticulture. Colorado State University. 1995.
- M.A. Philosophy. University of Colorado-Boulder. 1992.
- B.S. Horticulture. Iowa State University. 1989.

PROFESSIONAL POSITIONS

Chairperson and Professor, Plant and Soil Sciences Department, University of Delaware, January 2018 to present.

Department Head (interim), Department of Crop and Soil Environmental Sciences (CSES), Virginia Tech, November 1, 2016 to 2017.

Assistant Dean of Academic Programs, College of Agriculture and Life Sciences (CALs), Virginia Tech, 2013 to 2017, 50% appointment.

Professor, Turfgrass Culture and Physiology, CSES, Virginia Tech, 2011 to 2017.

Associate Professor, Turfgrass Culture and Physiology, CSES, Virginia Tech, 2005 to 2011.

Assistant Professor, Turfgrass Culture and Physiology, CSES, Virginia Tech, 2001 to 2005.

Assistant Professor and State Extension Turfgrass Specialist. Division of Plant Sciences (Horticulture), University of Missouri-Columbia. 1998-2000.

AWARDS and HONORS

- R.D. Cake Memorial Award, 2018, Virginia Turfgrass Council for Career Achievement
- **Fellow** of American Society of Agronomy, 2016
- Visiting Professor, Agricultural University of Hebei, Baoding, China: October 2006.
- Virginia Turfgrass Council Award for Outreach Excellence, 2004
- Watson Fellowship from Golf Course Superintendents Association of America, 1998

LEADERSHIP DEVELOPMENT

- Participant, 2019-2020: **Food Systems Leadership Institute**, Cohort 15.
- Led the development of a new B.S. in Sustainable Food Systems at UD, 2019.
- Participant, 2018, New Department Chair Leadership Program
- Organizer, 2015-2017: CALS Committee to develop a University Pathways Minor in Global Food Security and Health.
- Participant and **Fellow**, 2015-2016: **Lead-21 Class XI**: leadership and professional development training for faculty and professionals within the land grant system.
- Chair-Elect, **Chair**, Past-Chair, 2012-2014: C5 Division (Turfgrass Science) of Crop Science Society of America.

SCHOLARSHIP

Google Scholar: 2629 total citations, h-index = 29 as of December 16, 2019

Scholarly publications (87), including books and book chapters for career (1997-2019)

Most recent refereed publications

1. Badzmierowski*, M. J., G. K. Evanylo, E. H. Ervin, A. Boyd, C. Brewster. 2019. Biosolids-Based Amendments Improve Tall Fescue Establishment and Urban Soils. *Crop Science*, 59(3):1273-1284.
2. Zhang, X., M. Goatley, W. Wu, E. Ervin, and C. Shang. 2019. Drought-induced injury is associated with hormonal alteration in Kentucky bluegrass. *Plant Signaling and Behavior*, 14(10):e1651607.

3. Zhang, X., W. Wu, E. H. Ervin, C. Shang, and K. Harich. 2018. Salt stress injury is associated with hormonal alteration in Kentucky bluegrass. *HortScience* 53(1):97-101.
4. Wu, W., Q. Zhang, E. H. Ervin, Yang, Z., and X. Zhang. 2017. Physiological mechanism of enhancing salt stress tolerance of perennial ryegrass by 24-epibrassinolide. *Frontiers in Plant Science*. 8: 1017[1-11].
5. Ervin, E. H., N. Reams*, X. Zhang, A. Boyd*, and S. Askew. 2017. An integrated nutritional and chemical approach to *Poa annua* suppression in creeping bentgrass greens. *Crop Science*, 57(2):567-572.

Industry and Extension Publications (136 in career, recent examples below)

- Mertz*, I., N. Christians, E. Ervin, and X. Zhang. 2017. Responses of creeping bentgrass to an organic byproduct containing tryptophan. *Golf Course Management*. December, 85(12): 67-69.
- Ervin, E., C. Wilson*, S. Kingsbury, and S. Schoenholtz. 2017. Water quality of streams flowing through Virginia golf courses. *Golf Course Management*. October, 85(10):70-75.
- Shelton*, C., D. McCall, E. Ervin, and S. Askew. 2017. Ferrous sulfate for dollar spot suppression. *Golfdom*. 73(3):29

Scientific meeting presentations

Author or coauthor of **146** scientific papers at professional society meetings (e.g., Crop Science Society of America, Plant Growth Regulator Association of America, International Turfgrass Society Conference) since 1993; **Abstract list not included**.

Turfgrass industry presentations at state, national and international conferences

Invited to speak on numerous turfgrass subjects at over 100 conferences, meetings, and workshops in 35 US states, Australia, Canada, United Kingdom, Chile, Columbia, China, Germany, Norway, Portugal, and Italy since 1998: **350 presentations**, (list not included).

EXTRAMURAL GRANTS (1998-2019)

\$5.8 million, 60% Sponsored Programs, 40% Various Industry Sponsors

Recent examples

- Ervin, E. (PI), H. Scherer, P. Ziegler, and C. Friedel. 2017-2020. **\$139,604**. Sustainability Scholars Program: Increasing underrepresented student success through experiential learning. USDA-Higher Education Challenge Grant.
- Ervin, E. (PI) and X. Zhang. 2010-2017. **\$755,591**. Field testing of turfgrass products for abiotic stress resistance. Multiple corporate industry sponsors.
- Evanylo, G. (co-PI) and E. Ervin (co-PI), 2012-2016, **\$340,209**: Development and testing of exceptional quality biosolids products for renovating and remediating urban soils. Sponsor: Metropolitan Washington Council of Governments.

TEACHING AND ADVISING

PLSC 865, Seminar in Plant & Soil Sciences (co-instructor), 1 credit, fall 2019.
 PLSC 403, Landscape Management (co-instructor), 3 credits, each fall: 2018-2019.
 CSES 2564, Turfgrass Management, 3 credits, each fall: 2001 to 2018.
 CSES 3564, Golf and Sports Turf Management, 3 credits, each fall: 2004 to present.
 CSES/ENSC 3644, Plants for Environmental Restoration, 3 credits: Spring 2016.
 CSES 4864, Capstone: Crop and Soil Science, 1 credit, each fall: 2013 to 2015.

Primary advisor (career): 190 undergraduates, 13 M.S. and Ph.D. students, with committee service for 30 others.