

Education

- Ph.D. Environmental Science, Concentration in Science Education. 2020. Dissertation Title: “The Effects of Leadership Development on Student Retention in STEM”.
- M.S. Biology. University of North Texas. 2013. Thesis Title: “Bioconcentration and Morphological Effects of Triclosan in Three Species of Wetland Plants”.
- B.A. Biology with Honors. Hardin-Simmons University. 2006.

Work Experience

- Southeastern Oklahoma State University, Instructor, Chemistry. August 2019-Present
- Austin College. Instructor, Biology Support Associate and Vivarium Manager. November 2011-July 2019
- Grayson County College. Adjunct Biology Professor. August 2013-May 2014
- University of North Texas. TA/RA. January 2011-Dec. 2011
- Denison High School. Science Teacher/Coach. August 2007-May 2010
- GreenBelt Gardens. Assistant Manager. July 2006-July 2007

Publications/Presentations

- Sliffe P, Ward J, Olivo A, Twanabasu BR, **Smith CM**, Stevens KJ. August 2015
Restoring Texas Blackland Praries: An insight into the effects of management practices on mycorrhizal fungi. Student poster presentation 8th International Conference on Mycorrhiza.
- Twanabasu BR, **Smith CM**, Stevens KJ, Venables BJ, Sears WC. 2013. March 2013
Triclosan inhibits arbuscular mycorrhizal colonization in three wetland plants. *Sci Total Environ* 447:450-457.
- The Effects of Triclosan in Wetland Plant Communities. Austin College Seminar Series in Biology. November 2012
- A preliminary study of the effects of Triclosan on root morphology and arbuscular mycorrhizal colonization of five wetland plants. Poster presentation Society of Environmental Toxicology and Chemistry (SETAC) regional meeting. May 2011
- Development of a sensitive toxicity test for macrophyte stress due to environmental contaminants of aquatic systems. Poster presentation SETAC regional meeting. May 2011

Research Experience

- Science Education Research Lab, University of North Texas. Rudi Thompson PhD, Mentor. 2014–2020
 - Leadership Development and Retention in STEM
- Wetland Plant Ecology Research Group, University of North Texas. Kevin Stevens PhD, Barney Venables PhD, Mentors. 2010–2013
 - Environmental Contamination and Toxicity.
 - Wetland Development and Management of Grand Prairie Landfill Oxbow.
 - Plant Community Monitoring in a Bottomland Hardwood Forest.
 - Growth Room and Greenhouse Plant Cultivation. Seed Collection.

Teaching Experience

College and High School

- Instructor of Chemistry, Southeastern, PSCI 1114, SCIE 3123, SCIE 5903, SCIE 5403, BIOL 5943 August 2019–Present
- Instructor of Biology. Austin College. Cell Biology lab. January 2014–July 2019
- Adjunct Faculty. Grayson County College. Survey of Anatomy and Physiology. August 2013–May 2014
- Teaching Assistant UNT. Biology for Educators lab and Contemporary Biology lab. January 2011–Dec. 2011
- Science Faculty. Denison High School. Biology, Integrated Physics and Chemistry, and Environmental Systems August 2007–May 2010

Professional Development

- Society of Environmental Toxicology and Chemistry regional meeting. May 2011
- Society of Wetland Scientist regional meeting. October 2010

Affiliations/Memberships

- Texas Classroom Teachers Association 2007–2010
- Society of Wetland Scientist 2010
- Society of Environmental Toxicology and Chemistry 2011

Certifications

- CITI Human Subjects Researcher
- CITI IACUC Member Certification
- NIH Human Subjects Certification.
- AALAS Animal Care and Use in Research Certification.
- Texas 8-12 Life Science Teaching Certification. 8-12 Composite Science Examination.

Experience/Technical Expertise

- Environmental Trace Analysis: Organic and Inorganic Sample Extraction, GC-MS, LC-MS, Flame Atomic Absorption Spectroscopy.
- NSF Grant Writing.
- Biology Student Employee Supervisor, Vivarium Manager, Institutional Animal Care and Use Committee (IACUC) Member. Austin College.

Scholarships/Grants

- UNT Department of Biological Sciences Beth Baird Graduate Tuition Scholarship
- UNT CAS Dean Altermann/Bradford Scholarship
- UNT Academic Achievement Scholarship
- CAS Travel Grant, UNT
- SGA Travel Grant, UNT