



DR. LINDSEY C. SLAUGHTER

Associate Professor,
Plant & Soil Science

*The benefits we gain from ecosystems are based in the **soil** and driven by **biology**. My work helps understand this and discover how we can improve soil and **ecosystem health**.*

RESEARCH EXPERTISE

- Urbanization/land use impact on soil ecosystem services
- Microbial contributions to semi-arid C-cycling, soil greenhouse gas production, and ecosystem dynamics
- Microbial contributions to pasture productivity & sustainability
- Microbial contributions to crop productivity and soil management

PROFESSIONAL PREPARATION

- B.S. University of Tennessee at Martin, 2010
- M.S. University of Kentucky, 2012
- Ph.D. University of Kentucky, 2016

FAVORITE ARTICLE

Otuya, R., Slaughter, L.C., West, C.P., Deb, S.K., Acosta-Martinez, V. (2021). Compost and legume management differently alter soil microbial abundance and soil carbon in semiarid pastures. *Soil Science Society of America Journal*, 85, 654-664. <https://doi.org/10.1002/saj2.20215>

"This is the first manuscript from the work of my first graduate student at TTU that was published in the flagship journal of the Soil Science Society of America."

WHAT MAKES THE DAVIS COLLEGE GREAT?

"The departmental and college staff are the reason I get anything done and are what make the Davis College a great place to work!"