



DR. SANJIT K. DEB

Associate Professor,
Plant and Soil Science

Managing soil and water resources depends directly on the soil physical and hydrological properties and processes. My work helps to understand these processes and their central roles in sustainable soil and water management in agricultural and natural ecosystems.

RESEARCH EXPERTISE

- Soil and water management in agricultural and natural ecosystems
- Spatial and temporal heterogeneity of soil properties
- Hydrological modeling
- Vadose zone flow and transport processes
- Soil-water-plant-atmosphere relationship

PROFESSIONAL PREPARATION

- B.S. Bangladesh Agricultural University, 1996
- M.S. Asian Institute of Technology, 2000
- Ph.D. University of Tokyo, 2006

FAVORITE ARTICLE

Awal, R., Habibi, H., Fares, A., & Deb, S. (2020). Estimating reference crop evapotranspiration under limited climate data in West Texas. *Journal of Hydrology: Regional Studies*, 28, 100677. <https://doi.org/10.1016/j.ejrh.2020.100677>

WHAT MAKES THE DAVIS COLLEGE GREAT?

Davis College offers a range of programs in agriculture, natural resources, and environmental disciplines. It has diverse faculty, staff, and students, including faculty with a broad range of research and teaching interests. By focusing on service and outreach and engaging with diverse communities, the college plays leadership roles in addressing worldwide challenges.