



Department of
Biological and Agricultural Engineering

Position Announcement: Graduate Research Assistantships (2, MS/PhD level)

College/Area: Department of Biological and Agricultural Engineering, Kansas State University

Biological and Agricultural Engineering at Kansas State University invites applications for Graduate Research Associate (GRA) positions for pursuing M.S. or Ph.D. degree studies. The research focus is studying the water footprints of crop production systems using remote sensing and aerial imagery approaches in agro-hydrologic modeling; linking climate with water and food production management for climate adaptation; and design, development and assessment of model-based decision support tools for precision irrigation water use management.

The successful candidate will have many opportunities to work extensively with multi-disciplinary team with faculty from civil engineering, agronomy, agrometeorology, computer science, and agricultural economics. Graduate assistants will be required to develop periodic progress updates; present at conferences and meetings; and timely publish research results in international peer-reviewed journals.

Start Date: Fall, 2019/ Spring 2020

Required Qualifications:

- B.S./M.S./Bsc. in Agricultural Engineering; Data Science; or a related discipline.
- Experience of applying models (for eg. SWAT, MODFLOW, DSSAT) and/or data analytics to agro-hydrologic problems is desirable.
- Demonstrated experience with programming language/s, system integration and data handling.
- Demonstrated experience of individual initiative in research and pertinent publications in peer-reviewed journals along with strong written and oral communication skills.

Contact:

Dr. Vaishali Sharda

Assistant Professor | Water Resources Management,
920 N 17th Street, 1061 Seaton Hall | Biological and Agricultural Engineering
Kansas State University | Manhattan, KS 66506
Email: vsharda@ksu.edu