We are currently recruiting 1-2 graduate students (M.S. or Ph.D. level) beginning Fall 2022.

The graduate student/s will begin in Fall 2022 as part of a new project studying the intersection of water, agriculture, and community resilience to climate change. The student will join an interdisciplinary team of scientists focused on understanding how climate change and different agricultural adaptation strategies will impact availability of water for crop production in the eastern Great Plains, and how adaptations can help manage novel climate risks.

The student will be admitted through Department of Biological and Agricultural Engineering at KSU and will work with Dr. Sharda in collaboration with Dr. Kate Nelson at KSU, Drs. Sam Zipper and Erin Seybold at Kansas Geological Survey/University of Kansas, and students and postdocs in the research group. The student will help in studying the impacts of changing climate on crop production under current and future climate/management scenarios using hydrologic and crop simulation models.

Required qualifications: (i) Bachelor's degree in water-related engineering discipline, (ii) Experience with coding in R, Python, and/or statistical modeling approaches, (iii) Proficiency in oral and written communication in English.

Preferred qualifications: (i) Master's degree in a water-related engineering disciplines, (ii) Geospatial analysis skills, (iii) Ability to work effectively in an interdisciplinary team, and (iv) Peer-reviewed publication record.

The candidate should be highly self-motivated and have a strong interest in being part of a cross cutting, inter disciplinary research team. Our research group is committed to increasing representation of women and minorities in science and encourages candidates from diverse backgrounds to apply.

To inquire about the positions, please contact Dr. Vaishali Sharda at vsharda@ksu.edu with the following items as a single PDF attachment: 1) A cover letter describing your interest in the position, and 2) a Resume/CV.