

We are currently recruiting 1 Ph.D student

The PhD student will begin as soon as possible as part of a new project studying the impact of development of a new fully decomposable biopolymer for agricultural production. The project lies at the intersection of development of this new technology, strengthening agroecosystems and addressing its broader impacts. The student will join an interdisciplinary team of scientists focused on understanding how climate change and different agricultural adaptation strategies will impact the feasibility of this technology and its impact on crop production and resource use efficiency and how it 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 other students and postdocs in the research group. The student will help in studying the impacts of BioWRAP on crop production under current and future climate/management scenarios using hydrologic and crop simulation models.

Required qualifications: (i) Master'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) 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.