Dr. Tushar Sinha, a professor of Hydrology and Water Resources in the Department of Chemical and Environmental Engineering at Texas A&M University – Kingsville, is seeking two graduate students (1 MS and 1 Ph.D.) to work on hydrologic forecasting and water resources management (including floods/droughts and surface water-groundwater management).

Anticipated start date: Jan 2027 or June/August 2027

Research Group:
Dr. Sinha's group focuses on freshwater sustainability and better managing water quantity and quality amid urbanization, extreme events, and increased climate variability. The research involves strengthening skills in hydrologic modeling, data science, handling big data, remote sensing and GIS applications, and advanced data visualization.

Research Opportunities:

Students will work on transdisciplinary research with NSF NRT and CREST-AI Water Center projects involving:

- Satellite-based data assimilation in improving hydrologic forecasting of extreme events
- Integrated surface water-groundwater modeling to promote regional water sustainability
- Improving water quantity and quality management under extreme events

Qualifications:
Must be a U.S. citizen, national, or permanent resident
B.S. or M.S. in Civil/Environmental/Chemical/Agricultural Engineering or a related field
Demonstrated research aptitude and excellent communication skills

Stipends:
Highly competitive fellowship and tuition support
Strong career skills preparation and professional development opportunities
Mentorship in transdisciplinary research

For further information about the department, please see
https://www.tamuk.edu/engineering/departments/chev/faculty-and-staff/index.html

How to Apply
Interested candidates should email Tushar.Sinha@tamuk.edu with the subject line "MS or Ph.D. Application with Your Name" and attach a CV, description of your research interests, experience, and career goals. Please be specific in your description.