Graduate Student Assistantship in Nutrient Sorption Treatment Technology

Starting Fall 2026, the Soil, Water, & Ecosystem Sciences Department at the University of Florida is seeking a highly qualified PhD student in the field of nutrient sorption treatment technology for water quality improvements within the state of Florida. The student will be part of a multi-year research project funded by Florida Department of Environmental protection (FDEP) and in coordination with the South Florida Water Management District (SFWMD) that will evaluate phosphorus and nitrogen removal enhancement in Taylor Creek Stormwater Treatment Area (STA) discharging into Lake Okeechobee, Florida, using innovative technology. The incumbent will assist in the overall project coordination, including leading field-based assessment of sorption studies, monitoring of water quality and weather data, reporting, and mentoring of undergraduate and graduate students. Responsibilities will include – (i) routine water quality monitoring from study site; (ii) facilitate lab analyses for analyzing water for nutrients and suspended solids, and data interpretation; (iii) geostatistical assessment of treatment technology based on water quality data; (iv) cost assessment of per pound (lb) TP/TN removal for the technology. Candidates with a MS degree in Soil Sciences, Agronomy, Agricultural Engineering, Water and Environmental Sciences, or related fields will be desired. Looking for a highly motivated applicant with experience in field and lab work. High GPA, along with a strong publication record, experience working with wet chemistry, hydrology, and hydrologic modeling.

For more information, contact Dr. Jehangir Bhadha jango@ufl.edu, and submit a formal application to the UF Department of Soil, Water, and Ecosystem Sciences Graduate Program by January 1, 2026: https://soils.ifas.ufl.edu/academics/graduate-studies/apply/