

GRA Position # 518 –Soil Science

Position	Graduate Research Assistant (PhD), 0.5 time
Location	Department of Agronomy Throckmorton Plant Sciences Center Kansas State University Manhattan, KS 66506-5501
Position Description	The soil water processes research group is searching for a motivated PhD student to work on a multidisciplinary Rainfed Agriculture Innovation Network (rainfedag.org). The project focuses on turning multi-scale plant and soil information into actionable decisions. The primary responsibilities of the successful candidate involve: i) use novel and non-invasive sensing technologies to assess the current and future crop and soil moisture conditions of spatially variable agricultural fields; ii) determine the impact of common and alternative cropping systems on soil physical properties, soil water storage and transport, and soil health. The soil water processes research group offers a strong advising program and a newly equipped laboratory for measuring a wide range of soil physical properties and processes. The successful applicant will closely work with crop scientists, soil scientists, and modelers working together to improve soil and water conservation.
Qualifications	Highly motivated students with background in Soil Science, Agronomy, Environmental Engineering, Environmental Science, or a closely related discipline. Basic knowledge of scientific programming languages like Matlab, Python, or Julia are desirable. Applicants must have good written and oral communication skills, demonstrated excellence in course work, and the ability to work as a team.
Stipend	Annual stipend is \$22,500 plus tuition and fees (~\$8,200) are paid by the grant.
How to Apply	Applicants should send a resume to: Dr. Andres Patrignani Assistant Professor in Soil Water Processes 1011A Throckmorton Plant Sciences Center Manhattan, KS 66506 e-mail: andrespatrignani@ksu.edu - (785) 532-5732 For more information visit: https://soilwater.ksu.edu/ Further information about this application can be found at: http://www.agronomy.ksu.edu or by contacting Robert Berry at rwb7@ksu.edu
Date Available	Spring 2020, Summer 2020, Fall 2020 Screening of applicants begins immediately and will continue until position is filled.