PURDUE UNIVERSITY | Agronomy

Postdoc Research Assistantship In Geoinformatics And Soil

Dr. Siddhartho (Sidd) Paul, Assistant Professor of Geospatial Science

Website

https://ag.purdue.edu/directory/sspaul

https://www.sspaul.com/

Description of the positions

Successful applicants will join the Geoinformatics, Ecosystem Management & Soil Sustainability (GEMS) lab, led by Dr. Sidd Paul at Purdue University, IN, USA.

Our research attempts to understand how anthropogenic modifications of the natural landscape impact various soil-related ecosystem services using a range of earth observation and geospatial data science techniques. Specifically, the GEMS lab is interested in studying the effects of land management and climate change on soil organic carbon, soil hydrology, water resources, and crop yield at farm-to-regional scales.

Qualifications

Postdoc Position: A PhD in Soil Science, Agroecology, Geography, Earth & Environmental Sciences, or a closely related field. A strong foundation in sustainable agricultural practices, soil carbon dynamics, geospatial science, and digital soil mapping is desired. Proven skills in programming in R and/or Python, cloud-based computing, and soil health measurement methodologies are preferred. Proven experience conducting original scientific research and publishing in scientific journals, and an ability to effectively work in a collaborative and inclusive environment are valued.

Preferred Start Date

Spring and Summer 2025

Stipend/Salary + Benefits Information

The selected applicant will receive stipend/salary commensurate with experience plus health benefits and (for PhD student) tuition remission. The student's and postdoc's development will also be supported with teaching, conferences, and outreach opportunities following a customized development plan.
https://www.purdue.edu/gradschool/documents/gpo/graduate-student-employment-manual.pdf

How to Apply

Candidates should first send a CV and 1-page cover letter to Dr. Sidd Paul (sspaul@purdue.edu). Application screening will begin immediately and continue until a suitable candidate is found.