

GRADUATE POSITION ANNOUNCEMENT

DOCTORAL & MASTERS RESEARCH ASSISTANTSHIP IN GEOINFORMATICS AND SOIL

Dr. Sidd Paul, Assistant Professor of Geospatial Science

Department of Agronomy

The Purdue University Agronomy Department in West Lafayette, Indiana, houses dedicated faculty and staff, known for their passion and excellence. We offer graduate students cutting-edge research opportunities and equip them with foundational knowledge in agroecosystem management and related environmental challenges. Join our research community to enhance critical thinking, expand your network, and make a meaningful contribution to global agricultural advancements.

The Agronomy graduate program currently boasts 37 faculty and 68 graduate students.

<https://ag.purdue.edu/department/agry/>

Description of Research Objectives / Overview of Program

Successful applicants will join the Geoinformatics, Ecosystem Management & Soil Sustainability (GEMS) lab, led by Dr. Sidd Paul, to conduct geospatial research related to soil health, agroecosystem sustainability, and climate change mitigation and adaptation.

Our research attempts to understand how management activities 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

The applicant(s) will have a strong interest and background in geospatial science (i.e., remote sensing and GIS), soil science, and agroecology. A strong interest in digital and precision agriculture is desired. Some experience with programming/scripting in R and/or Python is helpful. Previous research experience or coursework related to these topics, as well as a commitment to contributing to a collaborative and inclusive environment, are valued.

Preferred Start Date

This project will begin in the Summer / Fall 2024

Stipend + Benefits Information

The selected applicant will be appointed as a Graduate Research Assistant with a stipend commensurate with experience plus health benefits and tuition remission. Student's development is highly valued and will be supported with teaching, conferences, and outreach opportunities as well as customized development planning.

<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 summarizing their research interests to Dr. Sidd Paul (sspaul@purdue.edu).

Application screening will begin immediately and continue until a suitable candidate is found.

Assistantships are contingent upon meeting all admission requirements of the department and Purdue Graduate School:

<https://www.purdue.edu/gradschool/admissions/how-to-apply/index.html>

Lab Website

<https://www.sspaul.com/>



Agronomy