

Postdoc position in modeling soil health across scales

Description of Research Project

The College of Agriculture at Purdue University is seeking a highly motivated postdoctoral researcher. The position is funded through a USDA NIFA grant. The successful applicant will be advised by **Dr. Sidd Paul** (<https://www.sspaul.com/>). The selected candidate will work closely with the advisor and the project team to conduct modeling of soil health across scales. A key goal would be to utilize geospatial information and process-based agroecosystem models to understand spatiotemporal variability in soil health under different management practices.

Qualifications

Applicants should have a strong foundation and interest in soil health, remote sensing, process-based modeling (e.g., APSIM, RothC, DSSAT), and programming in R and/or Python. Previous experience in satellite/UAV remote sensing, Google Earth Engine, proximal sensing, and geostatistical/machine learning modeling is strongly desired. A strong track record of scientific publication is valued.

How to Apply

Candidates should first send a CV and 1-page cover letter summarizing their research interests and match to the position to Dr. Sidd Paul (sspaul@purdue.edu). Please use **“Postdoc position in Modeling Soil Health”** in the subject line. Application screening will start immediately and continue until a suitable candidate is found.

Preferred Start Date

January 2026 or shortly thereafter

Purdue College of Agriculture

Purdue University's College of Agriculture is a global leader in agricultural education, research, and community engagement. Known for its excellence, the college consistently ranks among the top institutions for agricultural and forestry sciences, proudly holding #3 in North America and #6 worldwide in the 2025 QS World University Rankings. Purdue's dedication to innovation and sustainability is clearly shown through its pioneering research efforts and impactful outreach programs.

