

## POSTDOC AND GRADUATE POSITION ANNOUNCEMENT

### Ph.D. and/or Postdoc Opportunities in Agroecology

Dr. Yichao Rui,  
Department of Agronomy  
Purdue University

#### Description of the positions

Dr. Yichao Rui, Assistant Professor at the Department of Agronomy at Purdue University is seeking highly motivated Ph.D. students and/or postdoctoral research associates in agroecology.

Successful candidates will join a dynamics research team (<https://purdue.ag/pal>) to tackle fundamental research questions related to sustainable and regenerative agriculture.

Key research areas include: plant-microbe interactions in regulating soil carbon dynamics, the relationships between soil health and crop nutritional values, organic agriculture, and exploring novel practices to enhance agroecosystem performance and resilience.

#### Qualifications

**Ph.D. Position:** An MSc in Soil Science, Agroecology, Geography, Earth & Environmental Sciences, or a closely related field. A strong interest in sustainable soil management is desired. Related previous research experience and coursework, and a commitment to contributing to a collaborative and inclusive environment are valued.

**Postdoc Position:** A Ph.D. in Soil Science, Agroecology, Geography, Earth & Environmental Sciences, or a closely related field. A strong foundation in sustainable agricultural practices, soil carbon dynamics is desired. Proven skills in 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 or Summer 2025

#### Stipend/Salary + Benefits Information

The selected applicant will receive stipend/salary commensurate with experience plus health benefits and (for Ph.D. 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. Yichao Rui ([ruiy@purdue.edu](mailto:ruiy@purdue.edu)). Application screening will begin immediately and continue until a suitable candidate is found.

Ph.D. 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>

PhD students have the option to enroll in either Agronomy or Ecological Sciences & Engineering program.

**Website:** <https://purdue.ag/pal>

