

## **Postdoctoral Position in Soil Structure and Climate Change**

A postdoctoral scholar position is available in the Pedology Laboratory in the Department of Environmental Sciences at the University of California, Riverside. We are looking for a highly-motivated independent researcher to join a collaborative, NSF-funded project to work on understanding the mechanisms behind recent observations of rapid, climate-induced soil structural changes and their consequences on soil hydraulic properties. A major goal of the project is to apply advanced multivariate techniques on recently-compiled, large, soil morphological, chemical, physical, and environmental datasets to answer questions about soil structural development. Hence, experience with statistical/geostatistical analysis of big data is highly desirable as is formal training and experience with structural equation modeling.

### **Qualifications:**

The successful candidate should hold a PhD degree in soil science, critical zone science, ecosystem ecology, or a related field with an emphasis on statistical analysis or pedometrics. The candidate should have experience with analyzing complex datasets using scripting languages such as R, Python, or MATLAB and ideally have published in peer reviewed scientific journals. Candidates must have received a PhD within the past five years from an accredited college or university.

### **Application contents:**

- One-page cover letter describing the applicant's research experiences and interests
- Curriculum vitae
- Names, addresses, emails, and phone numbers for 3 references

Contact: Applications or informal inquiries can be sent to Dr. Daniel Hirmas at [daniel.hirmas@ucr.edu](mailto:daniel.hirmas@ucr.edu) with SOIL POSTDOC as the subject line.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.