

Postdoctoral Researcher Position in Flow and Transport Processes in Agroecosystems

The Catchment Hydrology and Spatial Analysis Lab (<https://www.hoorajami.ucr.edu/>) in the Department of Environmental Sciences at the University of California-Riverside invites applications for a Postdoctoral Researcher position in Integrated Hydrologic Modeling of agroecosystems to understand ecohydrologic processes of agricultural ecosystems in California. The specific objectives of the project are to improve understanding of flow and transport processes in agricultural ecosystems and assess the impacts of management practices on water resources.

The Postdoctoral researcher is expected to actively participate in and lead regular and annual project meetings as well as lead papers stemming from this work. This position will provide the successful candidate with professional development opportunities within the context of a highly collaborative, multi-institutional, and interdisciplinary team.

Qualifications:

- Ph.D. in Hydrology, Civil and Environmental Engineering, or a related field with specialization in physical hydrology or hydrogeology.
- Ph.D. must have been received within the last five years from an accredited institution.

Skills:

- Strong programming skills (Fortran, Python, MATLAB, and/or C++)
- Experience using ParFlow.CLM or other integrated modeling platforms
- Experience with High Performance computing
- Demonstrated record of high-quality publications
- Demonstrated success working and communicating in a team environment
- Excellent communication and presentation skills

Application Materials:

- Cover letter describing research experience and interests.
- Curriculum vitae including education, research experience, publications, and grant involvement.
- Contact information for three academic referees (names, emails, phone numbers).

Contact:

Applications or informal inquiries can be sent to Dr. Hoori Ajami (hooria@ucr.edu). The initial appointment is for one year with the possibility of annual renewal based on performance and the availability of funds. Applications will be accepted until the position is filled.