

## **Postdoc position in Water Reuse Technology for Agriculture Irrigation and Food Production**

The Haghverdi Agricultural and Urban Water Management Group ([ucrwater.com](http://ucrwater.com)) in the Environmental Sciences Department at the University of California Riverside invites highly motivated candidates to apply for a postdoctoral research associate position focusing on irrigation management using recycled water. This position is only open to candidates currently living in the united states who can immediately start working on the project. This is a one-year appointment with the possibility of extension depending on funding and performance. The successful candidate will be involved in a funded project to develop an innovative photochemical treatment for recycled wastewater irrigation and evaluate downstream risk using a field irrigation research trial. The main objective of this position is to conduct greenhouse/field irrigation trials to assess the impact of recycled water irrigation and the new photochemical treatment on the yield quantity and quality of multiple field crops.

### **Qualifications:**

- Ph.D. (received within the past five years from an accredited college or university) in Irrigation Engineering, Biosystems Engineering, Agronomy, or other related disciplines;
- Experience in conducting greenhouse or field irrigation trials;
- Experience with soil moisture sensor-based and ET-based irrigation scheduling;
- Knowledge about statistical methods to design field experiments and analyze the results;
- Demonstrated record of high-quality publications;
- Strong communication skills and experience working in a collaborative research environment.

### **Expectations:**

The successful candidate is expected to:

- Independently conduct field/greenhouse irrigation trials, including establishment, maintenance and instrumentation of the research plots, irrigation scheduling and statistical analysis of the results;

- Publish research findings in international peer-reviewed journals and present research findings in scientific conferences and local meetings;
- Generate regular update reports, and assist in grant proposal writing;
- Assist with extension/outreach activities;
- Work collaboratively with other lab members and graduate students at Liu Water Chemistry and Technology Lab in the Chemical/Environ. Engineering Department at UCR.

**Application:**

Applications or informal inquiries can be sent to Dr. Amir Haghverdi (amirh@ucr.edu) with OASIS POSTDOC as the subject line. Applications packages should contain the following contents:

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