



## We are Hiring a Postdoctoral Scholar

### Developing Pretreatment Engineering Device for Managed Aquifer Recharge

**Dr. Salini Sasidharan** (Assistant Professor in the Department of Biological and Ecological Engineering, Oregon State University, Corvallis, Oregon, USA) seeks to hire a Full-Time 12-month postdoc (renewable for a second year based on satisfactory performance). The Postdoc will develop a pretreatment engineering device for stormwater, floodwater, or recycled wastewater to be used in various managed aquifer recharge (MAR) infiltration techniques across Oregon and Central Valley, California. This research aims to develop low-cost pretreatments for MAR sites to mitigate clogging and reduce contaminant loads. In addition, this USDA-NIFA funded project will examine the independent and joint use of Ag-MAR and drywells with pretreatments (to remove sediments and contaminants) to overcome the limitations of both approaches synergistically thereby increasing groundwater sustainability and the long-term viability of irrigated agriculture.

### Qualifications

- a Ph.D. in engineering or relevant discipline (environmental, chemical, water resource, or a related field)
- Strong laboratory (contaminant fate and transport) and field experiment (data collection using various monitoring sensors) skills
- Strong analytical skills and experience with mathematical modeling and data analysis
- Proven track-record of independent research, critical thinking, and successful academic publications.
- Demonstrated ability to work collaboratively as part of a research team, supervise undergraduate or graduate students, and lab management.

### Benefits

**Salary and Benefits:** Commensurate with qualifications and experience as per OSU guidelines

<https://gradschool.oregonstate.edu/postdocs/stipends-and-benefits>

**Equal Opportunity Employer:** <https://eo.oregonstate.edu/affirmative-action>

**Collaboration:** The postdoc will have opportunity to collaborate with researchers from various Departments at OSU, USDA, University of California, and international collaborators from Australia, India, and Spain.

**Oregon:** Oregon is a beautiful state in the U.S. with access to the ocean and the mountains for fun outdoor activities. The postdoc will be located at Corvallis, OR.

HOW TO  
APPLY



Please send a single PDF file (word document will not be opened) of the following documents to **Dr. Salini Sasidharan** at ([Salini.sasidharan@oregonstate.edu](mailto:Salini.sasidharan@oregonstate.edu)) with reference "**Postdoc Application Pretreatment-Your Last Name**" in the subject line.

1. a detailed curriculum vitae and academic transcript
2. cover letter describing how your qualifications and experiences have prepared you for this postdoctoral position (1 page)
3. statement of research interests and experience (1 page)
4. contact information for three references : one must be your Ph.D. advisor and Postdoc advisor (for candidate with prior Postdoc experience).

**For full consideration, apply by: 22 January 2022**

**Start Date: March 1, 2022, or TBD**