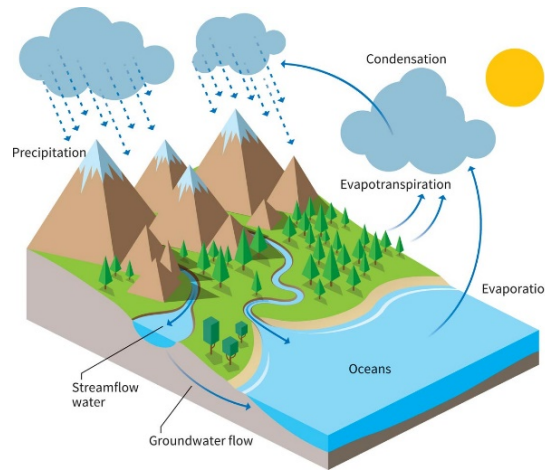


INTRODUCTION

The **2022 Environmental Science Education: Hydrology and GIS Workshop** at UCR will focus on educating credentialed high school and pre-service STEM teachers with the *pedagogy and techniques to integrate scientific contents related to water resources and GIS in their classrooms.*

The workshop, funded by the National Science Foundation and co-sponsored by the UCR CalTEACH- Science Mathematics Institute (SMI), is led by Professor Hoori Ajami with the aim of *integrating knowledge from chemistry, physics, and mathematical sciences in problem solving and interpretation of issues in water resources.* Participants who complete the workshop *will be provided with teaching materials necessary for transferring their knowledge into their classrooms.*

These resources cover important materials related to hydrologic cycle, groundwater recharge processes and water management.



ANTICIPATED OUTCOMES

Participants can expect to

- Learn about physical principles governing water balance;
- Learn on the use of GIS data and maps in teaching science;
- Gain skills in applying knowledge from physics and mathematics for problem solving in water resources.

ENVIRONMENTAL SCIENCE EDUCATION: HYDROLOGY AND GIS WORKSHOP

Dates:

July 27-29, 2022

Time:

10:00 am-4:00 pm (Instruction and Group Work)

Location:

UC Riverside Campus

Eligible Applicants:

Credentialed High School Science Teachers

****Participation Stipend****
\$500 upon completion



National Science Foundation
WHERE DISCOVERIES BEGIN

APPLICATION- Please answer the following questions to assist the selection process:

1. Is your baccalaureate/post-baccalaureate degree in science, math, or engineering?

____ Yes ____ No

Please indicate your subject area/ major _____

2.School site information:

School name _____

School district _____

3.What courses do you currently teach? _____

4.Indicate which type of teaching credential you hold:

____ Preliminary Teaching Credential

____ Professional Clear Teaching Credential

5.Briefly describe your primary motivation to participate in this workshop:

Contact Information:

Name _____

e-mail _____

Application Deadline:

June 17, 2022

To apply for this workshop, fill out and email the application form to Prof. Ajami (hooria@ucr.edu) by June 17, 2022.

Questions: Contact Prof. Ajami (hooria@ucr.edu)