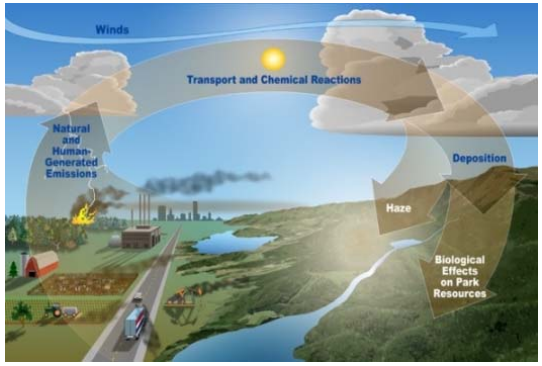
Introduction

The **2017 Environmental Science Education: Air Quality and Climate 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 air quality and climate 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 Roya Bahreini with the aim of *integrating knowledge from chemistry, physics, and mathematical sciences in problem solving and interpretation of issues in air quality and climate*. Participants who complete the workshop *will be provided with materials* necessary for transferring their knowledge into their classrooms.

During the academic year, Professor Bahreini and her research group will *visit local high schools* representing workshop attendees to *perform demonstrations that build upon basic chemistry, physics, mathematics, and environmental sciences,* illustrating phenomena related to air quality and climate while her students will work one-on-one with students having difficulties with in-class assignments related to the demonstrations.



Anticipated Outcomes

Participants can expect to

- Learn about physical and chemical principles governing air quality and climate;
- Gaining skills in applying knowledge from chemistry, physics, and mathematical sciences for problem solving and interpretation of issues in air quality and climate.

National Science Foundation
WHERE DISCOVERIES BEGIN

Environmental Science Education: Air Quality and Climate Workshop

Dates:
July 11-14, 2017

Time:
9:30 am-3:00 pm (Instruction)
3:00 pm- 4:00 pm (Group Work)
**Snacks and Lunch included*

Location:
UCR Science Laboratory I, Rm 301

Eligible Applicants:
Completion of EDUC 3
Updated SMI program plan
Completion of CBEST

****Participation Stipend****
$600 upon completion

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

Applicant's Full Name/UCR Student ID _____

Cumulative GPA_____ Major _____

Expected Graduation Date_____

1. Briefly describe your interest in the workshop and include how your background and future career vision relate to the goals of this workshop.

2. Do you plan to teach science or math? What personal experience in your life has shaped up your decision in becoming a teacher?

3. Briefly describe your experience in developing lesson plans. What have you learned to be effective or not in this process.

4. In which additional teaching enrichment programs have you participated in?

Application Deadline:
Friday May 12, 2017

To apply for this workshop, fill out and email the application form to Prof. Bahreini (Roya.Bahreini@ucr.edu) by May 12, 2017.

Questions: Contact Prof. Bahreini (Roya.Bahreini@ucr.edu)