INTRODUCTION

The 2018 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 CaTEACH- 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;
- Gain skills in applying knowledge from chemistry, physics, and mathematical sciences for problem solving and interpretation of issues in air quality and climate.

ENVIRONMENTAL SCIENCE EDUCATION: AIR QUALITY AND CLIMATE WORKSHOP

Dates: July 10-13, 2018
Time: 10:00 am- 4:00 pm (Instruction and Group Work)
*Snacks and Lunch included
Location: UCR Sciences Laboratory I, Rm 301
Eligible Applicants: Credentialed high school science teachers

**Participation Stipend**
$600 upon completion of the workshop
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. Are you planning to serve as an SMI Mentor Teacher for the 2018-2019 academic year?
   _____Yes    ______No        _______Not Sure

5. Indicate which type of teaching credential you hold:
   ______Preliminary Teaching Credential

   ______Professional Clear Teaching Credential

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

7. Contact Information:

   Name _____________________________

   e-mail ____________________________