



Alabama Research Experiences for Undergraduates



Project Title:

Study of Plasma-Based Water Purification Reactor Designs

Project Reference Code:

UAH-Xu1

Host Facility:

The University of Alabama in Huntsville

Host Facility Location:

301 Sparkman Dr.
Huntsville, AL 35899
<https://www.uah.edu/>

Project Description:

The student will compare the purification rates and effectiveness of different plasma reactors by studying plasma treated water samples. They will use a spectrophotometer to quantify the removal of contaminants and correlate the results to operating conditions.

Disciplines:

Engineering, Chemistry, Biology, Environmental Science

Is U.S. citizenship required to participate in this project?

No

Name(s) of Mentor(s) and contact information:

Gabe Xu (gabe.xu@uah.edu)

Internship Coordinator/ HR manager:

Dana Waller (dsw0012@uah.edu)

The name and contact information of personnel at the host facility is provided for further assistance with questions regarding the host facility or the project.

Interns will not enter into an employee/employer relationship with the host facility. No commitment with regard to later employment is implied or should be inferred.