Alabama Plasma Internship Program

Project Title:
Studies on the Effects of Low-Temperature Plasma on Stress Tolerance of Medicinal Plants

Project Reference Code:
AAMU-Mentreddy2

Host Facility:
Alabama A&M University

Host Facility Location:
4900 Meridian St.
Huntsville, Alabama 35811
https://www.aamu.edu/

Project Description:
Plants need uninterrupted and adequate quantities of soil moisture for normal growth and development. Soil moisture stress reduces plant height, leaf production, and generally results in shorter and lighter plants than those grown under soil moisture-stress-free conditions. The soil moisture stress effects vary with variety. The purpose of the experiment is to determine if low temperature plasma helps plants to tolerate soil moisture stress better than the untreated plants; and if there is any variation in stress tolerance among varieties. Any changes in antioxidant capacity will also be assessed.

Disciplines:
Plant Science, Plasma Science, Chemistry

Is U.S. citizenship required to participate in this project?
No

Name(s) of Mentor(s) and contact information:
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Internship Coordinator/ HR manager:
Srinivasa Rao Mentreddy (rmentreddy@gmail.com)

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.