



Project Title:

Assessment of atmospheric plasma effects on seed germination and seedling growth of a range of microgreen crops

Project Reference Code:

AAMU-Mentreddy

Host Facility:

Alabama A&M University

Host Facility Location:

4900 Meridian Street, Huntsville, AL 35811.

<https://www.aamu.edu/>

Project Description: This project aims to determine the interspecific variation for the responses of several microgreen crop species to atmospheric pressure plasma applied directly or through plasma-activated water. The seed of at least ten microgreen crop species will be treated either directly or immersed in PAW and assessed for date and rate of germination and seedling growth compared to untreated control. The nutritional profiles of the seed and seedlings with and without atmospheric plasma treatment will be determined in the laboratory on-campus.

Disciplines:

Plant Science

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

No

Internship Location and COVID-19 related Backup Plan

The internship location is at Alabama A&M University Agricultural Research Station in Hazel Green, AL. We are planning for an in-person internship. However, due to the continuing COVID-19 pandemic, we are preparing additional options to ensure that the internship will take place, such as a hybrid or fully virtual option.

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

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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.