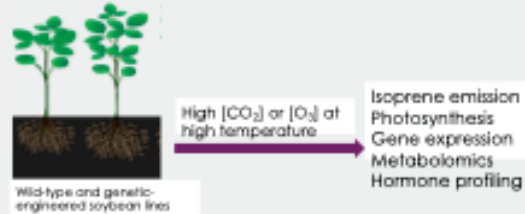


# Plant Stress Research



State University of New York College of  
Environmental Science and Forestry



## Dr. Mohammad Mostofa — MOSTO Lab

Investigate how isoprene—a volatile hydrocarbon emitted by many plants—may protect plants from combined high heat and high light stress. Students will help assess photosynthesis rates and quantify isoprene emissions in tobacco plants that either emit isoprene or do not emit isoprene to compare performance under stress.

### What You'll Learn / Do

- Measure photosynthesis and volatile compounds emissions from plants
- Analyze data comparing experimental and control groups
- Learn about stress response in plants

### Tentative Time / Schedule

First week of July and August; 3–4 days/week; 4–5 hours/week.

**Students:** 1-2

### Ideal CTE Programs

Biotechnology

Natural Resources

Laboratory Science

### Questions

Reach out to Dan Collins ([dbcollin@esf.edu](mailto:dbcollin@esf.edu)) or (315) 470-6553

**To Apply for this Internship, scan below:**

