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Area of Expertise:

- Cell Biology
- Molecular Genetics
- Plant Physiology
- Chemical Ecology
- Phytochemistry

Focus of Research:

- Flavonoid function in growth and development
- Oxidation and homeostasis in growth and development
- Invasive species
- Herbicide resistance, use and nutrient management
- Biofuels
- Nutritional enhancement of food

Current Funded Projects (Source):

- Soybean stover for direct catalytic conversion biofuels seed yield and mineral availability (Maryland Soybean Board)
- Modeling invasiveness potential of non-native plant species and trait identification (USDA)