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Area of Expertise:

- Nutrient management
- Movement of nitrogen and phosphorus from soils to waterways
- Sustainable farming practices

Focus of Research:

- Cover crops for nitrogen and water management
- Nitrogen and phosphorus cycling in Delmarva farms
- Effects of salt water intrusion of soil phosphorus release from farm soils

Current Funded Projects (Source):

- The Northeast Cover Crops Council: Building the network and online decision support tools (Northeast Sustainable Research and Education Grant)
- Developing sustainable soil management strategies to suppress strawberry *Anthraxnose* & improve soil health (North American Strawberry Growers Assoc.)
- The effects of sea-level rise and saltwater intrusion on wetland nutrient transport and vegetation dynamics in the Atlantic Coastal Plain (National Socio-Environmental Synthesis Center)
- Decision support tool for cover crops: Crediting water and nitrogen conservation (United States Department of Agriculture)
- Evaluating cover crop for nitrogen recycling in Maryland Grain Crop Systems (Special Cooperative Agreement with USDA)