c. Submitted - But Not Funded

Role	Funding Agency	Title	Submission Date	Amount
PI	UF– EMBRAPA, Brazil Collaborative Climate Change Research Fund 2024	Mitigating Climate Change: Reducing Nitrous Oxide Emissions in Agriculture Through Solid Oxygen Fertilizers	10/1/2024	$140,000
PI	USDA-AMS/FDCAS	Integrated Management of Nitrogen, Nematodes, and Postharvest Quality of Asian Vegetables, Watermelon Radish and Edible Chrysanthemum Production	1/22/2024	$277,572
PI	UF/IFAS	Integrated Nutrient and Disease Management for Snap Bean Production in Florida Using Artificial Intelligence and Data Mining Technologies	12/19/2023	$100,000
Co-PI	USDA-NIFA-AFRI	Fully Bio-based Non-isocyanate Polyurethane (NIPU)/nanoclay Composite for Controlled Release Fertilizers (CRFs) for Sustainable Bioeconomy	9/7/2023	$2,000,000
PI	US-Israel Binational Agricultural Research And Development Fund	Using Photo-Selective Shade Netting and Elite Cultivars to Improve Yield and Quality of Blackberry: A Model for Mitigating the Challenges of Climate Change	9/12/2023	$100,000
Co-PI	USDA-AFRI	Fully Biobased Non-Isocyanate Polyurethane (NIPU)/Nanoclay Composite For Controlled Release Fertilizers (CRFs) For Sustainable Bioeconomy	9/7/2023	$2,100,000
Co-PI	USDA-AFRI	Environmentally Responsive Nano-Biocomposite For Smart Controlled-Release Fertilizers To Improve Oxygen Availability And Nitrogen Release	9/14/2023	$650,000
Co-PI	U.S. Egypt Science and Technology Joint Fund	Agricultural-reside-derived Smart Controlled Release Fertilizers to Enhance Oxygen Bioavailability and Improve Nitrogen Release	12/7/2023	$348,758
PI	UF Seed Fund	DRPD-ROSF2024: Integrated Nutrient and Disease Management for Snap Bean Production in Florida Using Artificial Intelligence and Data Mining Technologies	12/19/2023	$99,999
PI	USDA-SCRI	Slow-release Oxygen Fertilizer: A Tool for Integrated Snap Bean Production Under Climate Change	1/12/2023	$2,180,000
PI	USDA-AMS/FDCAS	Integrated Management of Nitrogen, Nematodes, and Postharvest Quality of Watermelon Radish and Edible Chrysanthemum Production	1/24/2023	$302,647

PI	FDACS Division of Agricultural Water Policy	Recovering Nutrients from Groundwater via Green Sorption Media Used as Fertilizer Substitute for Snap Bean Production	3/10/2023	$225,715
Co-PI	U.S._Egypt Science and Technology Joint Fund	Agricultural-reside-derived Smart Controlled Release Fertilizers to Enhance Oxygen Bioavailability and Improve Nitrogen Release	1/25/2023	$348,758
Co-PI	Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE)	A Data-driven Biochar Performance Optimization Framework for Maximizing Biochar's Climate and Agronomic Benefits	5/16/2023	$4,000,000
Co-PI	USAD-CAP	Nutrient-Dense, Culturally Preferred, Leafy Greens Production, Pest Management, and Value Chain Marketing for Commercial Sustainability	1/12/2023	$3,232,836
Co-PI	U.S. - Egypt Joint Board on Scientific and Technological Cooperation	Biorefinery Residue-based Bionanocomposite Encapsulated Fertilizer for Controlled Release Nanofertilizer	1/25/2023	$200,000
PI	USDA-SCBP through FDACS	Optimizing Nitrogen Rates and Postharvest Quality for Watermelon Radish and Edible Chrysanthemum Production in Florida	2022	$277,572
PI	USDA- SCBP through FDACS	Using hydrogelling technique to reduce nitrogen inputs for blackberry and nursery production in Florida	2022	$213,465
Co-PI	USDA- SCBP through FDACS	Grower Farm and Replicated Trials and Propagation of New Florida-bred Blackberry Cultivars for Commercial Production	2022	$180,161
Co-PI	USDA-SCRI	Enhancing Production Efficiency and Profitability of Asian Vegetables in the Southern and Eastern US	2022	$3,000,000
PI	USDA-SCBP through FDACS	Optimizing Nitrogen Rates and Postharvest Quality for Watermelon Radish and Edible Chrysanthemum Production in Florida	2021	$177,338.53
PI	USDA- SCBP through FDACS	Using hydrogelling technique to reduce nitrogen inputs for blackberry and nursery production in Florida	2021	$198,142
Co-PI	USDA- SCBP through FDACS	Grower Farm and Replicated Trials and Propagation of New Florida-bred Blackberry Cultivars for Commercial Production	2021	$176,104

Co-PI	USDA-SCRI	Enhancing Production Efficiency and Profitability of Asian Vegetables in the Southern and Eastern US	2021	$6,000,000
PI	USDA-SCBP through FDACS	Optimizing Nitrogen Rates and Postharvest Quality for Watermelon Radish and Edible Chrysanthemum Production in Florida	2020	$177,338.53
Co-PI	USDA- SCBP through FDACS	Using hydrogelling technique and new cultivars to reduce nitrogen inputs in blackberry production in Florida	2020	$198,142
Co-PI	USDA-SCRI	Enhancing Production Efficiency and Profitability of Asian Vegetables in the Southern and Eastern US	2020	$2,200,000
Co-PI	Southern Region Sare	Professional Development of Extension Educators for Sustainable Food Systems	2019	$52,982
Co-PI	USDA-SCRI	Enhancing Production Efficiency and Profitability of Asian Vegetables in the Southern and Eastern US	2018	$2,000,000