

List of Dissertation Topics and Possible Supervisors in Agronomy Sciences Field

Dissertation Topic	Institution	Supervisors
Impact of agroecosystem ecological intensification measures on soil and plant health	VMU AA	prof. dr. Vaclovas Bogužas
Biorefining and evaluation of utilization of plant raw materials and their byproducts	VMU AA	doc. dr. Živilė Tarasevičienė
Soil organic matter and microbial biomass stabilisation with implementation of innovative organic fertilisers and growing diverse variety of plants	VMU AA	doc. dr. Jūratė Aleinikovienė
Environmental and genotype impacts on plant exosome characteristics	LRCAF	Akvilė Viršilė
Apple (<i>Malus domestica</i> Borkh.) genes responsible for premature fruit drop	LRCAF	Audrius Sasnauskas
Development and evaluation of spring wheat breeding material for adaptability to biotic stresses	LRCAF	Andrii Gorash
Polymorphism of brown rot blossom blight pathogens and their interaction with antagonists	LRCAF	Birutė Frercks
The possibilities of sunflower (<i>Helianthus annuus</i> L.) growing for seed, the influence on the soil quality and their allelopathic relationship with plants in crop rotation	LRCAF	Daiva Janušauskaitė
Development of fruit and vegetable waste-free processing technologies	LRCAF	Dalia Urbonavičienė
Significance of soil structure for accumulation potential of organic carbon, phosphorus and nitrogen in different agroecosystems	LRCAF	Danutė Karčauskienė
Effect of soil compaction on the main ecological processes in agroecosystem	LRCAF	Danutė Karčauskienė
Morphological and physiological plant plasticity under different lighting conditions	LRCAF	Giedrė Samuolienė
Development of innovative, biologically valuable product prototypes	LRCAF	Jonas Viškelis
Impact of reduced-till systems on soil agroecological properties and geographical assumptions of their application in Lithuanian agrosystems	LRCAF	Jonas Volungevičius
The role of growing media and biologically active materials (biostimulant, nano fertilizers, beneficial microorganisms) in improving seedlings quality, photosynthesis parameters and plant productivity in greenhouses	LRCAF	Julė Jankauskienė
Expression of stone fruit rootstock biological and economical properties in the orchard and ex situ	LRCAF	Juozas Lanauskas

The effect of environmental factors on the variation of essential mineral elements in leafy vegetables in controlled environment	LRCAF	Jurga Miliauskienė
Sunkiųjų metalų sukeliamas stresas ir poveikis augalų augimui ir kokybei Stress caused by heavy metals and effects on plant growth and quality	LRCAF	Karolina Barčauskaitė
Adaptivity to abiotic stress and biomass formation under unfavourable conditions in perennial grasses	LRCAF	Kristina Jaškūnė
Qualitative indicator of organic matter estimation for sustainable peat soil management	LRCAF	Kristina Amalevičiūtė- Volungė
Allelopathic weed suppression through the use of Fabaceae plants in bi-cropping systems	LRCAF	Lina Šarūnaitė
Relay-strip intercropping systems for ecological services and environmental sustainability	LRCAF	Lina Šarūnaitė
The composition of horticultural plants rhizosphere pathogens on the spread and harmfulness of root diseases	LRCAF	Neringa Rasiukevičiūtė
Distribution, herbicide resistance and control of blackgrass (<i>Alopecurus myosuroides</i>) in Lithuania	LRCAF	Ona Auškalnienė
Modeling and optimization of biorefining processes for fruits and vegetables and their by-products	LRCAF	Pranas Viškelis
Complex effects of abiotic and biotic factors on the vegetative and generative development of field vegetables	LRCAF	Rasa Karklelienė
Evaluation of wheat adaptability to abiotic and abiotic stress using high-throughput plant phenotyping tools	LRCAF	Rita Armonienė
Development of anthocyanin in potato (<i>Solanum tuberosum</i> L.) selection material by anther culture method	LRCAF	Rita Asakavičiūtė
Uptake of plant nutrient from organic mineral fertilizers	LRCAF	Romas Mažeika
Investigation of the effect of regenerated fertilizers on soil and plant productivity	LRCAF	Romas Mažeika
Expression of anthocyanin biosynthesis genes in plants	LRCAF	Vidmantas Bendokas
Physiological plant responses to light and dark conditions	LRCAF	Viktorija Vaštakaitė- Kairienė

Development and evaluation of winter wheat breeding material with increased anthocyanin content	LRCAF	Žilvinas Liatukas
Complex assessment of ecological and anthropogenic factors by cultivating of native and introduced plant species in naturally acidic soils	LRCAF	Gintaras Šiaudinis
Efficacy of microbes occurring in the agroecosystem against plant pathogens	LRCAF	Skaidrė Supronienė
Soil pH is the most important indicator in creating an optimal nutritional environment for plants	LRCAF	Regina Repšienė
The factors affecting the occurrence, severity and distribution of diseases caused by <i>Microdochium</i> spp. pathogens in winter wheat	LRCAF	Roma Semaškienė