

List of Dissertation Topics and Possible Supervisors in Biology (2023)

Dissertation Topic	Institution	Supervisors
Impact of climate change and anthropogenic press to shift in genetic structure of populations during adaptation process	Vytautas Magnus University	Prof. habil. dr. Algimantas Paulauskas
Research on Infectious Diseases of Domestic Animals	Vytautas Magnus University	Prof. habil. dr. Algimantas Paulauskas, Prof. dr. Jana Radzijeuskaja
Infection of vector-borne pathogens in farm animals	Vytautas Magnus University	Prof. habil. dr. Algimantas Paulauskas, Dr. Indrė Lipatova, Dr. Irma Ražanskė
Dispersion of hazardous substances, pathogens and other stressors in a changing environment: environment risk assessment and remediation	Nature Research Centre	Dr. Daiva Burokienė
Identification and development of diagnostic methods of protozoa of the genus Sarcocystis for studying parasite diversity, prevalence, pathogenicity, phylogeny and life cycle	Nature Research Centre	Dr. Petras Prakas
Significance of honey bee drone microbiota for the hive community and food safety	Nature Research Centre	Dr. Elena Servienė
The potencialo of wild algal biomass: bioproducts and their properties	Nature Research Centre	Dr. Jūratė Karosienė
The potencial of probiotic preparations to counteract herbicide stress in plants in order to reduce the use of herbicide in agritechnology	Nature Research Centre	Dr. Jurga Jankauskienė
Application of human stem cells for cartilage tissue regeneration	State Research Institute Centre for Innovative Medicine	Dr. Ilona Uzielienė
Study of mitochondrial transfer and transplantation of cells of different origin and activation	State Research Institute Centre for Innovative Medicine	Dr. Vytautas Kašėta
Impact of high-frequency asymmetric nanosecond electric field sequences for control of tumor drug resistance and elimination	State Research Institute Centre for Innovative Medicine	Prof. dr. Vitalij Novickij

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Small vessel vasculitis: epidemiological, clinical biological variety and connection with outcomes	State Research Institute Centre for Innovative Medicine	Dr. Jolanta Dadonienė
Development of technologies for the long term preservation of living tissues and cells in biobanks	State Research Institute Centre for Innovative Medicine	Dr. Eiva Bernotienė
Artificial intelligence in in vitro fertility treatment	State Research Institute Centre for Innovative Medicine	Dr. Jan Aleksander Krasko
Early detection of recurrent disease in breast cancer patients based on SRG tumor marker dynamics and blood tamoxifen metabolite analysis	State Research Institute Centre for Innovative Medicine	Dr. Gintaras Zaleskis