

Mikrobiology Bachelor Studies Programme, 2023

Institution	Department/Laboratory	Themes
<p>Life Sciences Center</p>	<p>Institute of Biosciences</p>	<p>Department of Microbiology and Biotechnology</p> <p>Optimization and Monitoring of the Beer Brewing Process</p> <p>Effects of Microgravity on the Resistance of Yeasts with Different Telomere Lengths to Chemical and Physical Factors</p> <p>Effects of Silver Nanoparticles Obtained by Induced Synthesis of the Genus <i>Geobacillus</i> on Pathogenic Skin Bacteria</p> <p>Modification of <i>Geobacillus</i> sp. 95 Esterase (GDEst-95) Using Error-Prone PCR Strategy</p> <p>The Creation of Yeast Protein Sup35 Mutant Variant Y32K</p> <p>Analysis of Uncharacterised Lipases Produced by <i>Geobacillus</i> spp.</p> <p>Study of the Genes of Microorganisms Found in the Environment and Involved in the Biodegradation of Microplastics</p> <p>Selection of New Polyesterase Producers</p> <p>Effect of Tea Tree Essential oil on [PSI+] Prion Formation in <i>Saccharomyces cerevisiae</i> Cells</p> <p>Effects of Silver Nanoparticles Obtained by Induced Synthesis of the Genus <i>Geobacillus</i> on Pseudohyphae of <i>Candida guilliermondii</i> Yeast</p> <p>The Research of Polyester Synthesis in Wastewater Bacteria</p> <p>Search, Identification and Analysis of Pyrethroids-Degrading Microorganisms</p> <p>Antimicrobial Photoinactivation of Strawberry-Infecting Molds</p> <p>Search and Heterologous Biosynthesis of Bacteriocins Active Against Phytopathogenic Bacteria</p> <p>The Creation of Aβ42-SUP35Δ5-112-GFP Mutant Variant</p>

	Institute of Biochemistry	Department of Xenobiotics Biochemistry	Studies of the Mechanism of TdsD Nitroreductase
		Department of Bioelectrochemistry and Biospectroscopy	Formation of Bacterial Membranes Assessment of Gramicidin Activity on Artificial Lipid Membranes
	Institute of Biotechnology	Department of Biothermodynamics and Drug Design	Production and Inhibitor Binding Studies of Recombinant Murine Carbonic Anhydrases VA, VB, and VI
		Department of Eukaryote Gene Engineering	SARS-CoV-2 S Protein Exhibiting Virus Like Particle Synthesis in Yeasts for Development of Antibodies
Nature Research Centre		Laboratory of Mycology	Studies of the Straminipilous Fungi Diversity of Neris River and Its Tributaries
		Laboratory of Plant Pathology	The Research of Vegetative Compatibility of Fungi of the Genus Diaporthe
		Laboratory of Algology and Mikrobial Ecology	High-value Bioproducts from the Biomass of Cyanobacteria and Microalgae
		Laboratory of Ecotoxicology	The Studies of Genotoxic and Cytotoxic Effects of Oomycete on Salmonid Fish Embryos A Study of the Susceptibility of River trout to Pathogenic Oomycetes at an Early Stage of Development
National Cancer Institute	Research Departments	Biobank	Effects of Trimethylamine-N-oxide (TMAO) on DU145 Prostate Cancer Cell Line
		Laboratory of Immunology	Cytotoxic Activity of <i>B.subtilis</i> Lectin on Cancer Cells <i>in vitro</i>
Thermo Fisher Scientific Baltics			A Gene Truncation Strategy Generating N- and C-Terminal Deletion Variants Using Oligonucleotide-Tethered Nucleotides