

Mikrobiologie, Bachelor Studies Programme, 2022

Institution		Department/Laboratory	Themes
VU Life Sciences Center	Institute of Biosciences	Department of Microbiology and Biotechnology	<p>Influence of Flavonoids on [PSI] Prion in <i>Saccharomyces cerevisiae</i> Cells</p> <p>Influence of Photoelectrolysis on Gram-positive and Gram-negative Microorganisms</p> <p>Search and Analysis of Peptidases with Keratinolytic Activity</p> <p>Antimicrobial Photoinactivating Effect on <i>Brevundimonas sp.</i> Biofilm Growth Control</p> <p>Analysis of Catalytic Amino Acids of EstAG1 Carboxylesterase from <i>Staphylococcus saprophyticus</i> AG1 by Site-specific Mutagenesis and Differential Scanning Fluorimetry</p> <p>Search For Microplastic Degrading Microorganisms and Identification Of Target Genes</p> <p>Analysis of Cobalt Oxide Nanoparticles Obtained by Induced Synthesis of the Genus <i>Geobacillus</i> and their Antimicrobial Activity</p> <p>Analysis of the Synergistic Effect of Antimicrobial Photoinactivation and Bacteriocins on <i>Geobacillus stearothermophilus</i> 15 and <i>Bacillus sp.</i> L1 Biofilms</p> <p>Interaction of β and γ Aminoacid Substituted Benzenesulfonamides with Human Carbonic Anhydrases</p>

			<p>Polyphasic Taxonomic Study of Selected Bacterial Strains Isolated from Krubera-Voronja Cave</p> <p>Analysis of Gram-positive Bacteria Induced Calcium Carbonate Precipitation</p>
Nature Research Centre	Institute of Botany	Laboratory of Plant Pathology	<p>Mycobiota Research of Invasive Plant <i>Robinia pseudoacacia</i></p> <p>The Diversity of Microscopic Fungi Found in Pedunculate Oak (<i>Quercus robur L.</i>)</p>
		Laboratory of Algology and Mikrobial Ecology	Biocompounds and Their Activity in Wild Cyanobacteria Biomass
	Institute of Ecology	Laboratory of Ecotoxicology	<p><i>Ceriodaphnia dubia</i> Survival and Population Parameters Affected by Pharmaceutical Compounds and Lanthanides Over Three Generation</p> <p>Lanthanoids and Their Mixtures with Pharmaceutical Substances Effect on <i>N. 2btuse</i> Cells</p>
National Food and Veterinary Risk Assessment Institute	Molecular Biology and GMO Unit		Detection and Analysis of Shiga Toxin-producing <i>Escherichia coli</i> (STEC) in Food Samples
Center for Physical Sciences and Technology	Department of Functional Materials and Electronics	Bioelectrics Laboratory	<p>Investigation of the Cryoprotective Effects of Trehalose and Pulsed Electric Field Treatment on the Viability of <i>Saccharomyces cerevisiae</i> Cells After Freezing</p> <p>Antimicrobial Photodynamic Therapy as an Approach to Overcome <i>C.albicans</i> Biofilm Matrix</p> <p>Investigation of Electric Field Induced Sublethal Injuries in <i>Saccharomyces cerevisiae</i> Cells</p>
Thermo Fisher Scientific Baltics			Feasibility Study of Rapid Microbiological Method Application