

Mikrobiology Bachelor Studies Programme, 2021

Institution		Department/Laboratory	Themes
Life Sciences Center	Institute of Biosciences	Department of Microbiology and Biotechnology	<p>Synthesis Optimization of Recombinant Lipolytic Enzymes</p> <p>Synergistic Effect of Chemical Compounds and Pulsed Electric Field on [PSI] Prion in <i>Saccharomyces cerevisiae</i> Cells</p> <p>Silver Nanoparticles Influence on Green Algae <i>Haematococcus pluvialis</i> Culture Growth, Morphology and Astaxanthin Concentration</p> <p>The Search of Novel Bacterial Collagen-Like Proteins and Their Heterologous Expression in <i>E. coli</i>.</p> <p>Development of Regulated Gene Expression System for <i>(Para)Geobacillus</i> spp. Bacteria</p> <p>Expression Optimization and Catalytic Amino Acid Analysis of EstAG1 Carboxylesterase from <i>Staphylococcus saprophyticus</i> AG1</p> <p>New linear Azoline containing bacteriocin heterologous biosynthesis</p> <p>Creation of a Sup35 Protein Δ243–249 Variant and Analysis of its Synthesis in <i>Saccharomyces cerevisiae</i> Cells</p> <p>The Search of Psychrophilic and Thermophilic Bacteria That Synthesize Proteolytic Enzymes</p>

			<p>Application of Electroporation for the Control of Free-living Biofilm Forming Microorganisms</p> <p><i>Geobacillus</i> sp. 76 Urease Chelases: Engineering and Optimization of a Recombinant UreE Protein Synthesis System</p> <p>Cloning and Heterologous Expression of Novel Bacteriocin from Thermophilic Bacteria</p> <p>Analysis of the Antimicrobial Effect of Commercial Silver Nanoparticles on Genus <i>Candida</i> Yeasts</p>
	Institute of Biosciences	Department of Biochemistry and Molecular Biology	Analysis of Regulatory Roles of Small Non-coding RNA sLCB2236- for Resistance to Antibacterial Factors in <i>Lactobacillus paracasei</i>
	Institute of Biochemistry	Department of Bioelektrochemistry and Biospectroscopy	Formation of Bacterial Membranes Visualization of Interaction of Geobacillin 26 With Artificial And Biological Membranes
		Department of Molecular Microbiology and Biotechnology	Research of Structural Proteins of <i>Pantoea</i> Bacteriophages
	Institute of Biotechnology	Department of Immunology and Cell	Biosynthesis of Mugwort and Ragweed Pollen Recombinant Allergens and the Study of Their Antigenic Properties
		Applied Biocatalysis sector	Investigation of Transglutaminase Application for Immobilization of Enzymes
Nature Research Centre	Institute of Botany	Laboratory of Algology and Mikroorganisms Ecology	Polyphenols and Antioxidant Activity in the Biomass of Filamentous Green Algae <i>Cladophora glomerata</i>
		Biodestructors Research Laboratory	Species Composition, Morphological, Physiological and Biochemical Characteristics of Yeasts Extracted From Soil