

### Mikrobiology, Master Studies Programme, 2022

Institution		Department/Laboratory	Themes
<b>VU Life Sciences Center</b>	<b>Institute of Biosciences</b>	Department of Microbiology and Biotechnology	<p>Kruber-Voronja culture collection of microorganisms: phenotypic characterisation and molecular analysis</p> <p>Study of Bacteria Capable of Producing Polyhydroxyalkanoates from Sewage</p> <p>Cloning and Expression of Yeast <i>SUP35NM</i> Gene in <i>Escherichia coli</i> Cells</p> <p>Microbiological Degradation of Petroleum Pollutants</p> <p>Research of Blue-Green Algae <i>Aphanizomenon flos-aquae</i> Infection with Cyanophages Using the C and N Stable Isotopes Method</p> <p>Possible Use of Cyanobacteria in Biogas Production</p> <p>Biosynthesis and Characterization of Novel Bacteriocin Geobacillin 6</p> <p>Optimization of Yeast Transformation By Integrating Plasmids Conditions Using Pulsed Electric Field</p> <p>Analysis of <i>Streptomyces scabiei</i> 87.22 Cutinase by Using Different Enzyme Engineering Strategies</p> <p>Heterologous Biosynthesis of Bacteriocin Geobacillin 19</p> <p>Analysis of Chimeric RecGEOker-GDEst-95/GD-95 Fusion Proteins</p>
<b>Center for Physical Sciences and Technology</b>	<b>Department of Functional Materials and Electronics</b>	Bioelectrics laboratory	Investigation of Electroporation and Yeast Cell Death via Mediated Amperometry

<b>Lithuanian National Museum of Art, Prano Gudyno Restoration center</b>			Review of Biocides and Evaluation of their Effectiveness in Protecting Works of Art from Micromycete Damage
<b>National Public Health Surveillance Laboratory (NPHSL)</b>			Genotypic and Phenotypic Determination of Intestinal Bacterial Resistance to Antibiotics
<b>Thermo Fisher Scientific Baltics</b>			The Improvement of Restriction Endonuclease Purification Technology