

Genetics, Bachelor Studies Programme, 2021

Institution		Department/Laboratory	Themes
Life Sciences Center	Institute of Biosciences	Department of Botany and Genetics <i>Genotoxicological Research Group</i>	<p>Alkaline and Flash Comet Assay for Genotoxicity Studies of Aluminum Oxide (Al₂O₃) Nanoparticles</p> <p>Evaluation of zinc oxide nanoparticles by Allium test combined with the comet method</p> <p>Evaluation of Chromosome Aberrations in Lymphocytes of Patients with Diabetes Mellitus</p> <p>Investigation of the Protective Effect of Ultraviolet Filters on the Nuclear DNA of the Cell by Comet Assay</p> <p>Analysis of Sensitivity to 4-Nitroquinoline-1-Oxide In Patients With Diabetes Mellitus Using Cytokinesis Block Micronucleus Assay (CBMN) Method <i>In Vitro</i></p> <p>Evaluation of Genotoxic Properties of Curcumin</p> <p>Effect of Medium pH and EDTA on the Genotoxicity of Heavy Metals in Technogenic Soil Evaluated by Allium Test</p> <p>Genotoxicity Investigation of Silver (Ag) and Aluminum Oxide (Al₂O₃) Nanoparticles in Human Peripheral Blood Lymphocytes <i>In Vitro</i></p> <p>Analysis of Sensitivity to 4-Nitroquinoline 1-oxide in Patients with Diabetes Mellitus using Sister Chromatid Exchange Method <i>In Vitro</i></p>
		Department of Botany and Genetics <i>Laboratory of Plant Molecular Genetics</i>	Assessment of the Genetic Diversity of Geographically Remote Populations of Blue Honeysuckle (<i>Lonicera caerulea</i> L.) using ISSR and SCoT Markers

			Genotoxicity Assessment of Neris Water in Vilnius City Using <i>Tradescantia pallida</i> and <i>Tradescantia</i> #4430
			Genetic Diversity Analysis of Sosnowsky's Weed (<i>Heracleum sosnowskyi</i> Manden.) using ISSR Molecular Markers
		Department of Botany and Genetics <i>Human Genome Research Group</i>	Optimization of DNA Methylation Biomarker Test System for Prostate Cancer Diagnosis Gene Expression Analysis of Histone Demethylases and Methyltransferases in Prostate Cancer
	Institute of Biochemistry	Department of Molecular Cell Biology	Protein Tyrosine Kinase SYK - a Target in Lung Cancer Therapy?
	Institute of Biotechnology	Department of Eukaryote Gene Engineering	The Synthesis of Human Calnexin in <i>Pichia pastoris</i> Cells Search of Polyomavirus in Wild Boar (<i>Sus scrofa</i>) and Rodent (<i>Rodentia</i>) Samples
		Department of Immunology and Cell Biology	The Influence of CLK1 Kinase on Tau mRNA Isoform Formation in Hypoxic Brain Cells
		Department of Biological DNA Modification	The Effect of <i>Escherichia coli</i> Nudix Hidrolase NudC and its Interacting Partner on the Bacterial Physiology and the Amount of 5' -NAD Capped and Unmodified RNA
National Cancer Institute		Research department Laboratory of Genetic Diagnostic	Analysis of Prostate Cancer Associated Genes' Single Nucleotide Polymorphisms in Prostate Cancer Patients' Cohorts
Nature Research Centre	Institute of Botany	Laboratory of Genetics	Research of Killer Yeasts on the Surface of Fruits and Berries
Center for Physical Sciences and Technology	Department of Functional Materials and Electronics	Bioelectric Phenomena Laboratory	Analysis of Microsecond Pulsed Electric Field Effect on NF- κ B/SEAP Reporter System Expression in Mammalian Cell Lines
Thermo Fisher Scientific Baltics			Mismatch Endonucleases and Their Research Investigation of Double Stranded DNA Specific Nucleases