

LIST OF DISSERTATIONS TOPICS FOR DOCTORAL STUDIES COURSES IN 2022

NATURAL SCIENCES

Scientific area	Topics of doctoral dissertations	Supervisors
CHEMISTRY – N 003	1. <i>Investigation of biologically active materials by electrochemical methods</i>	Prof. Almira Ramanavičienė
	2. <i>Nanotechnological solutions for the sensitive detection of biologically active substances by optical methods</i>	Prof. Almira Ramanavičienė
	3. <i>Synthesis, Investigation and Application of Specific Interaction Sorbents in gas Chromatographic Analysis</i>	Dr. Vilius Poškus
	4. <i>Synthesis of nanostructured calcium phosphates for biomedical and environmental applications</i>	Dr. Aleksej Žarkov
	5. <i>Development of Biofuel cells</i>	Prof. Arūnas Ramanavičius
	6. <i>Conducting polymers for the development of molecularly imprinted polymers</i>	Doc. Ieva Plikusienė
	7. <i>Scanning electrochemical microscopy and other electrochemical methods for the evaluation of bio-based surfaces</i>	Prof. Arūnas Ramanavičius
	8. <i>Development and improvement of a new generation optical-acoustic biosensors</i>	Doc. Ieva Plikusienė
	9. <i>Formation and investigation of tethered bilayer lipid membranes on the surface of semiconductor electrodes</i>	Doc. Aušra Valiūnienė
	10. <i>Development of electrochemical sensors/biosensors for determination of toxic ions</i>	Doc. Aušra Valiūnienė
	11. <i>Electrochemical methods for the investigation of drug delivery system</i>	Dr. Urtė Samukaitė-Bubnienė
	12. <i>Development of electrochemical immunosensors</i>	Dr. Urtė Samukaitė-Bubnienė
	13. <i>Formation of Bioceramic Calcium Hydroxyapatite Nano-Coatings using Sol-Gel and Dissolution-Precipitation Processing</i>	Doc. Živilė Stankevičiūtė
	14. <i>Formation peculiarities and properties of Bi-containing Mg-Al layered double hydroxides</i>	Prof. Aivaras Kareiva