

LIST OF DISSERTATIONS TOPICS FOR DOCTORAL STUDIES COURSES IN 2022**TECHNOLOGICAL SCIENCES**

Scientific area	Topics of doctoral dissertations	Supervisors
CHEMISTRY ENGINEERING – T 005	1. <i>Inhibitor synthesis for carbonic anhydrases involved in illnesses caused by elevated intracranial pressure</i>	Dr. Edita Čapkauskaitė
	2. <i>Computational methods for protein interaction data analysis</i>	Dr. Justas Dapkūnas
	3. <i>Synthesis of small molecules as inhibitors of proteins amyloid aggregation and carbonic anhydrase isozymes</i>	Dr. Virginija Dudutienė
	4. <i>Development of diagnostic antibodies against SARS-CoV-2</i>	Dr. Indrė Kučinskaitė-Kodžė
	5. <i>Development of fast and sensitive computational methods for biological sequence analysis</i>	Dr. Mindaugas Margelevičius
	6. <i>Development and investigation of site-specific modification technologies for generation of antibody-drug conjugates</i>	Dr. Inga Matijošytė
	7. <i>Establishing Type IV CRISPR for Genome Editing</i>	Dr. Patrick Pausch
	8. <i>Employing cell assays to study protein amyloid aggregation</i>	Dr. Vytautas Smirnovas – supervisor Dr. Jonathan Arias – consultant