

LIST OF DISSERTATIONS TOPICS FOR DOCTORAL STUDIES COURSES IN 2020

TECHNOLOGICAL SCIENCES

Scientific area	Topics of doctoral dissertations	Supervisors
CHEMISTRY ENGINEERING – T 005	1. <i>Investigation of synthetic polymer biodegradation</i>	Dr. Inga Matijošytė
	2. <i>The synthesis of selective substrates for biocatalytic systems synthesis and their investigation</i>	Dr. Inga Matijošytė
	3. <i>Exploring of carbonic anhydrases for the synthesis of non-isocyanate polyurethanes</i>	Dr. Inga Matijošytė
	4. <i>Development of fast and sensitive methods and software for biological sequence analysis</i>	Dr. Mindaugas Margelevičius
	5. <i>Development of Carbonic Anhydrase IX inhibitors for cancer imaging</i>	Dr. Edita Čapkauskaitė
	6. <i>Development of innovative methods for diagnosis of allergic diseases</i>	Dr. Rasa Petraitytė-Burneikienė Dr. Indrė Kučinskaitė-Kodzė
	7. <i>Synthesis of carbonic anhydrase inhibitors– search for isoform-selective small- molecules</i>	Dr. Virginija Dudutienė
	8. <i>Immunodetection of bacterial resistance to antibiotics</i>	Prof. Aurelija Žvirblienė
	9. <i>Development of methods for expression and purification of amyloid-forming proteins and peptides</i>	Dr. Vytautas Smirnovas
	10. <i>Machine learning and neural networks applications in molecular dynamics and structure-based drug design</i>	Dr. Daumantas Matulis