

## FACULTY OF CHEMICAL TECHNOLOGY

Department	Job position	Part of FTE	Study field	Science field	Required competencies and experience
Department of Polymer Chemistry and Technology	Professor	1.0	Chemistry C01, Polymer and textile technologies F02, Material technologies F03	Chemical Engineering T005	<p><b>Doctor of Science</b> in the science field of Chemistry or Chemical Engineering.</p> <p><b>Pedagogical experience:</b> experience in the development of educational books and e-methodological tools.</p> <p><b>Experience of giving lectures in the following languages:</b> in the Lithuanian language teaching the modules of Biopolymer, Biomedical Polymer, Polymer Waste Recycling and Nanomaterial Technologies; experience in teaching the modules of Biopolymer and Polymer Waste Recycling in the English language.</p> <p><b>Experience of supervision of the students' theses:</b> first, second and third study cycles.</p> <p><b>Experience of research activities:</b> experience in the development and research of crosslinking biopolymer and polymer biocomposites from renewable raw materials; experience in proposals for external funding for tenders; experience in the implementation of international and national projects, experience in managing research projects.</p> <p><b>Knowledge of specific technologies:</b> crosslinking biopolymer, polymer biocomposites, experience in synthesis/sourcing from renewable raw materials and research of vitrimers and shape memory polymers for light-based technologies.</p> <p><b>Additional required experience and competencies:</b> experience in managing study projects and postdoctoral fellowship projects; experience in project expertise for national and international programmes; experience in science promotion in Lithuania and abroad.</p>
Department of Polymer Chemistry and Technology	Researcher	0.25	-	Chemical Engineering T005	<p><b>Doctor of Science</b> in the science field of Chemical Engineering.</p> <p><b>Pedagogical experience:</b> providing laboratory works of the modules of Biopolymer and Nanomaterial technologies.</p> <p><b>Experience of giving lectures in the following languages:</b> experience in providing laboratory works in the English language.</p> <p><b>Experience of supervision of the students' theses:</b> first and second study cycles.</p> <p><b>Experience of research activities:</b> experience in the implementation of international and national projects.</p> <p><b>Knowledge of specific technologies:</b> study of kinetics in the synthesis/sourcing of crosslinking biopolymer, polymer biocomposites, vitrimers and shape memory polymers from renewable raw materials by photo-solidification, their characterisation, research of properties and application in light-based technologies.</p> <p><b>Work experience with specific equipment:</b> with Helios Italquartz photopolymerisation complex and (photo)rheometer MRC302.</p> <p><b>Additional required experience and competencies:</b> experience in using photorheometry in the research of polymer synthesis; experience in science promotion.</p>

Department of Polymer Chemistry and Technology	Researcher	0.5	-	Chemical Engineering T005	<p><b>Doctor of Science</b> In the science field of Chemical Engineering.</p> <p><b>Experience of supervision of the students' theses:</b> first and second study cycles</p> <p><b>Experience of research activities:</b> experience of research work in the field of organic semiconductors. Experience in implementing international and national project activities and preparing research project proposals. Fellowships at foreign scientific institutions, participation in international conferences.</p> <p><b>Knowledge of specific technologies:</b> synthesis, research of organic semiconductors and their application in optoelectronic devices.</p> <p><b>Work experience with research equipment:</b> work with a mass spectrometer, cyclic voltammetry equipment, UV–VIS–NIR absorption and luminescence spectrometers.</p> <p><b>Additional required experience and competencies:</b> ability to teach or supervise theses in the English language.</p>
Department of Polymer Chemistry and Technology	Senior Researcher	0.5	-	Chemistry N003	<p><b>Doctor of Science</b> in the field of Chemistry or Materials Engineering.</p> <p><b>Pedagogical experience:</b> providing giving laboratory works related to polymer technologies.</p> <p><b>Experience of supervision of the students' theses:</b> supervision or consulting of the students of the third cycle studies.</p> <p><b>Experience of research activities:</b> experience of research work in the field of synthesis and research of properties of organic electroactive substances. Experience in implementing international and national project activities and preparing project proposals.</p> <p><b>Knowledge of specific technologies:</b> synthesis and research of organic semiconductors.</p>
Department of Polymer Chemistry and Technology	Senior Researcher	0.75	-	Chemical Engineering T005	<p><b>Doctor of Science</b> in the science field of Chemistry or Chemical Engineering.</p> <p><b>Experience of supervision of the students' theses:</b> First, second and third study cycles.</p> <p><b>Experience of research work:</b> in the field of synthesis and research of organic semiconductors; experience in implementing international and national project activities and preparing proposals for international and national projects; fellowships at foreign scientific institutions.</p> <p><b>Experience of specific research:</b> synthesis, research of organic semiconductors and their application in optoelectronic devices.</p> <p><b>Work experience with research equipment:</b> work with the equipment of differential scanning calorimetry, thermogravimetric analysis, and cyclic voltammetry.</p>
Department of Environmental Technology	Professor	1.0	Environmental Engineering E03	Environmental Engineering T004	<p><b>Doctor of Science</b> in the science field of Environmental Engineering and Landscaping or the field of Environmental Engineering.</p> <p><b>Pedagogical experience:</b> in the field of Environmental Engineering.</p> <p><b>Experience of giving lectures in the following languages:</b> Lithuanian and English languages.</p> <p><b>Experience of supervision of the students' theses:</b> second and third study cycles.</p> <p><b>Experience of research work:</b> experience in preparation of international patent applications. Experience in managing and implementing national and international research and study projects. Experience in supervision of the implementation of international and national R&amp;D contracts (orders by third parties).</p> <p><b>Additional required experience and competencies:</b> experience in the introduction of innovative didactic methods (technology entrepreneurship, challenge-based learning).</p>

Department of Silicate Technology	Lecturer	0.5	Chemical Engineering E11	Chemical Engineering T005	<p><b>Doctor of Science</b> in the field of Chemical Engineering.</p> <p><b>Pedagogical experience:</b> teaching the modules of materials characterisation, synthesis and chemical plant design (Synthesis of High-Temperature Materials, Applied Materials Science, Materials Science, Chemical Plant Design). Preparation of a methodological tool (educational books) for research of composition and technological properties of materials.</p> <p><b>Experience of giving lectures in the following languages:</b> Lithuanian and English languages.</p> <p><b>Experience of research activities:</b> in synthesis and research of layered double hydroxides.</p> <p><b>Experience of supervision of the students' theses:</b> first and second study cycles</p> <p><b>Additional required experience and competencies:</b> upskilling by participating in the Edu_Lab and other training. Participation in international and national conferences.</p>
Department of Silicate Technology	Researcher	0.5	Chemical Engineering E11	Chemical Engineering T005	<p><b>Doctor of Science</b> In the field of Chemical Engineering.</p> <p><b>Experience of research activities:</b> in synthesis and research of layered double hydroxides. Experience in the implementation of international and national research projects.</p> <p><b>Additional required experience and competencies:</b> know how to work using software for thermal and dilatometric analysis of materials and processing of obtained data. Upskilling in analysis methods for materials characterisation. Participation in international and national conferences.</p>
Department of Silicate Technology	Associate Professor	1.0	Chemical Engineering E11	Chemical Engineering T005	<p><b>Doctor of Science</b> In the field of Chemical Engineering.</p> <p><b>Pedagogical experience:</b> teaching the modules of materials characterisation (Functional Inorganic Materials Chemistry, Thermal and X-ray Analysis Methods, Analysis Methods for Composition of Materials).</p> <p><b>Experience of giving lectures in the following languages:</b> Lithuanian and English languages.</p> <p><b>Experience of research activities:</b> in synthesis and research of calcium hydrosilicates. Experience in the implementation of international and national research projects. Experience in managing research and study projects.</p> <p><b>Experience of supervision of the students' theses:</b> First and second study cycles</p> <p><b>Additional required experience and competencies:</b> know how to work using software for data analysis of the quantitative X-ray diffraction analysis of materials.</p>
Department of Food Science and Technology	Professor	1.0	Food Technologies F06	Chemical Engineering T005	<p><b>Doctor of Science</b> In the field of Chemical Engineering.</p> <p><b>Pedagogical experience:</b> in the fields of general, food microbiology, fish product science and technology.</p> <p><b>Experience of giving lectures in the following languages:</b> English language.</p> <p><b>Experience of supervision of the students' theses:</b> First and second study cycles</p> <p><b>Experience of research activities:</b> in the research fields of microbiological testing, encapsulation of probiotics and prebiotics, determination of the viability of probiotics for in vitro digestion or a model system, and gut microbiota testing. Experience in preparation of research project proposals for external funding for tenders, implementation and management of research projects and orders by third parties, participation in COST activities. Work experience using human gut microbial ecosystem simulator equipment (SHIME or equivalent) and PCR and digital PCR equipment.</p> <p><b>Additional required experience and competencies:</b> experience in the organisation of international scientific events (scientific conferences).</p>