

FACULTY OF CHEMICAL TECHNOLOGY

Department	Job position	Part of FTE	Study field	Science field	Required competences and experience
Department of Polymer Chemistry and Technology	Professor	0,5	C01 Chemistry E11 Chemical Engineering F02 Polymer and Textile Technology F05 Biotechnology	T005 Chemical Engineering	<p>Doctor of Science: in the science field of Chemistry or Chemical Engineering.</p> <p>Pedagogical experience: at least 10 years of pedagogical experience teaching the modules related to polymer chemistry, physics and technology, materials science, textile chemistry and technology, immobilisation of bioactive materials, industrial bioprocess technology.</p> <p>Experience of giving lectures in the English language: experience teaching the modules related to polymer chemistry, physics and technology, materials science, textile chemistry and technology in the English language.</p> <p>Experience of supervision of the students' theses: first and second study cycle. Experience of supervision of Doctoral students.</p> <p>Experience of research activities: experience of preparation of the proposals for external funding for tenders; experience of implementation of national and international research projects; experience of attraction and implementation of the outsourced orders; experience of participation in COST scientific networks.</p> <p>Knowledge of specific technologies: knowledge of synthesis and modification of synthetic and biopolymers, immobilisation of bioactive materials, research of luminescent properties of materials; knowledge of technologies of packaging materials.</p> <p>Additional required experience and competences: at least 5 years of research experience at foreign research institutions; experience of management of international and national research projects; experience of research and expert activities at Lithuanian and foreign institutions administering the funding of research.</p>
Department of Polymer Chemistry and Technology	Lecturer	0,5	C01 Chemistry E11 Chemical Engineering F05 Biotechnology	T005 Chemical Engineering	<p>Doctor of Science: in the science field of Chemical Engineering.</p> <p>Pedagogical experience: providing the modules related to chromatography, polymer chemistry and physics.</p> <p>Experience of supervision of the students' theses: first and second study cycle.</p> <p>Experience of research activities: experience of research activities in polymer synthesis and modification and research of biopolymers. Experience of participation in the implementation of the activities of international and national projects and the orders by the third parties.</p> <p>Knowledge of specific technologies: knowledge of polymer synthesis and recycling technologies.</p> <p>Work experience with specific equipment: Shimadzu gas chromatographer with various detectors (FID, BID, MS), high-performance liquid chromatographer, Viscotek molecular size-exclusion chromatographer.</p> <p>Additional required experience and competences: at least 5 years of work experience at the chemical industry production enterprise.</p>

Department of Polymer Chemistry and Technology	Researcher	0,5		T005 Chemical Engineering	<p>Doctor of Science: in the science field of Chemical Engineering.</p> <p>Experience of supervision of the students' theses: first and second study cycle.</p> <p>Experience of research activities: at least 5 years of experience of research activities in polymer synthesis and research of biopolymer modification and their use in the development of added-value products. Experience of participation in the implementation of the activities of international and national projects and the orders by the third parties.</p> <p>Knowledge of specific technologies: knowledge of polymer synthesis and recycling technologies .</p> <p>Work experience with specific equipment: gas chromatographer with various detectors (FID, BID, MS), high-performance liquid and molecular size-exclusion chromatographers, thermal analysis equipment (DSC, TG, DMA, plastometer), spectrometers (UV-Vis, FTIR, fluorescent, AAS.), extruder.</p> <p>Additional required experience and competences: at least 5 years of work experience related to R&D activities at the chemical industry production enterprise.</p>
Department of Food Science and Technology	Associate Professor	1,0	F06 Food Technology F05 Biotechnology C01 Chemistry	T005 Chemical Engineering P003 Chemistry	<p>Doctor of Science: in the science field of Chemistry.</p> <p>Pedagogical experience: at least 5 years of pedagogical experience teaching the modules related to cell biology, food technology, fruit and vegetable science and technology.</p> <p>Experience of supervision of the students' theses: first and second study cycle.</p> <p>Experience of research activities: experience of research activities related to complex recycling of vegetable raw materials into the products of higher added value applying the concept of biorefining; experience of participation in the implementation of national projects; experience of participation in COST scientific network. At least 10 papers in the publications with impact factor indexed in the Web of Science database within the last 5 years.</p> <p>Knowledge of specific technologies: biorefining technologies, knowledge of contemporary extraction methods, liquid chromatography with quadrupole-time-of-flight mass spectrometer and tandem quadrupole mass spectrometer systems, ultra-high performance supercritical liquid chromatography.</p> <p>Additional required experience and competences: experience of expert activities including participation in the meetings of the doctoral committee, promotion of science and studies.</p>
Department of Organic Chemistry	Professor	0,25	D04 Molecular Biology D06 Biochemistry D02 Genetics	N004 Biochemistry	<p>Doctor of Science: in the science field of Biochemistry.</p> <p>Pedagogical experience: at least 5 years of pedagogical experience. Experience of teaching the modules of the science field of natural sciences, including the modules related to microbiology and genetic engineering.</p> <p>Experience of giving lectures in the English language: pedagogical work experience of teaching in the English language at foreign research institutions.</p> <p>Experience of supervision of the students' theses: supervision of the first and second study cycle, and Doctoral students.</p> <p>Experience of research activities: within the last 10 years, has published at least 10 scientific papers as the leading or corresponding author in international scientific journals with impact factor, included in the Clarivate database, published abroad; has won funding for tender and managed a research project of the successful tender.</p> <p>Additional required experience and competences: at least 10 years of research work experience at foreign research institutions; scientific publication-based experience in prokaryote and eukaryote biology and the research area of genes and their expression.</p>

Department of Organic Chemistry	Senior Researcher	0,25		N003 Chemistry	<p>Doctor of Science: in the science field of Chemistry.</p> <p>Experience of supervision of the students' theses: first study cycle.</p> <p>Experience of research activities: at least 15 scientific papers in the international scientific journals with higher impact factor (Q1 and Q2 quartile) published abroad; at least 1 international patent; participation in international scientific conferences with oral presentations; participation in the implementation of international and national projects.</p> <p>Knowledge of specific technologies: knowledge of the solar cell technologies and the organic materials used in these technologies; synthesis methods for organic semiconductors.</p> <p>Additional required experience and competences: research experience at foreign research institutions; experience of science promotion activities.</p>
Institute of Synthetic Chemistry	Junior Researcher	1,0		N003 Chemistry	<p>Education: Master's degree in Chemistry.</p> <p>Experience of research activities: at least 7-year experience of research activities in the area of synthesis and identification of the structure of organic compounds. Experience of participation in the implementation of research projects and activities of the orders by the third parties.</p> <p>Knowledge of specific technologies: use of HRMS, BMR, FTIR methods in the analysis of organic compounds.</p> <p>Work experience with specific equipment: know how to work with spectrometers (BMR, HRMS, UV-Vis, FTIR).</p> <p>Additional required experience and competences: certificate of training to work with BMR spectrometer.</p>