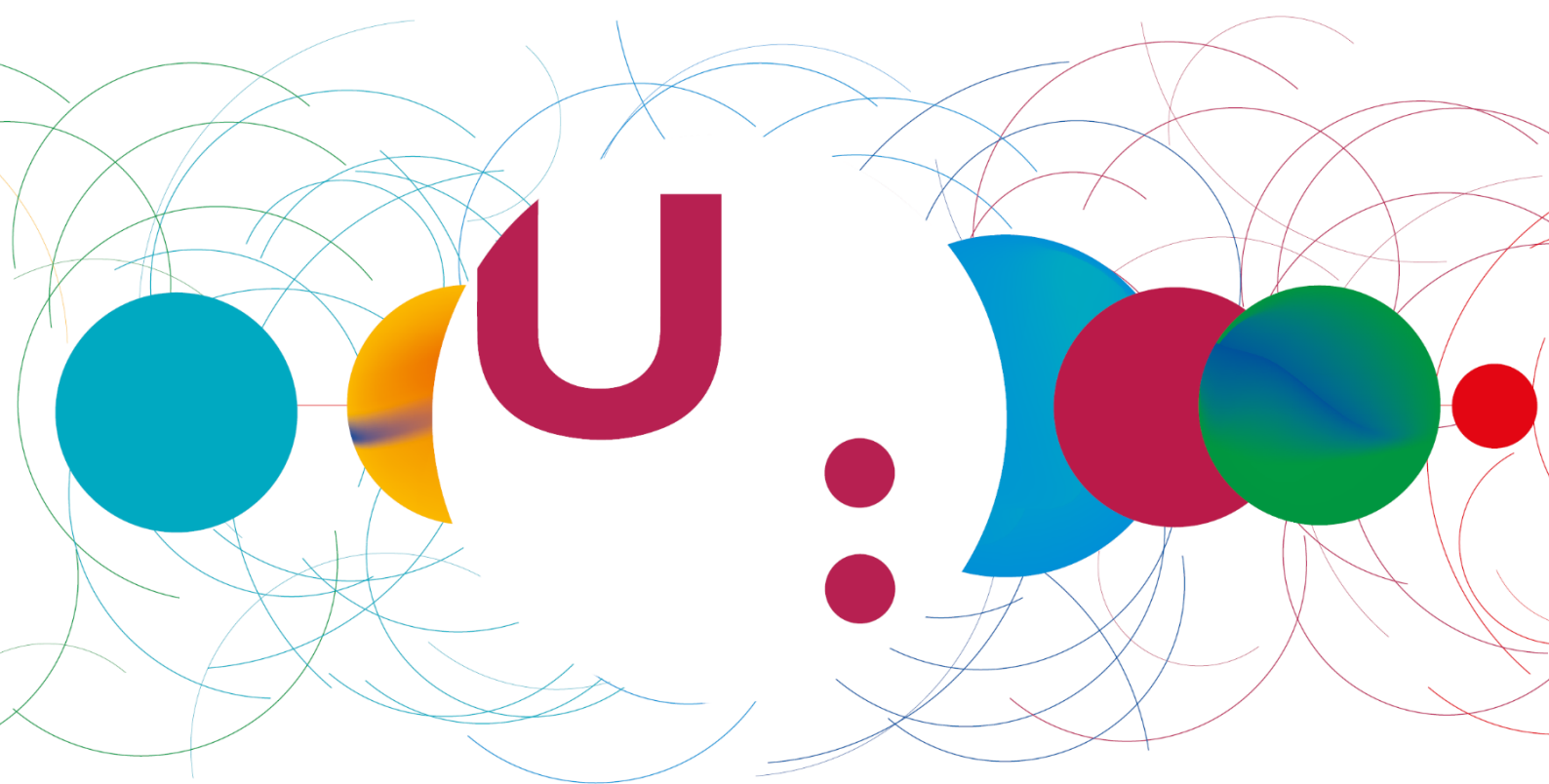




**FACULTY
OF CHEMICAL TECHNOLOGY
UNIVERSITY OF PARDUBICE
ANNUAL ACTIVITY REPORT
2025**



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INTRODUCTION

Dear Colleagues, Students, and Friends

of the Faculty of Chemical Technology, University of Pardubice,

In 2025, we commemorated the 75th anniversary of higher education in Pardubice, the foundations of which were laid by the former University of Chemical Technology. This anniversary year brought numerous challenges, opportunities, and achievements. The present Annual Activity Report for 2025 provides an overview of the most significant events that took place at the Faculty of Chemical Technology, University of Pardubice, and summarises what has been accomplished through the joint efforts of our staff and students.

In 2025, the faculty offered prospective students 64 bachelor's, master's, and doctoral degree programmes, including 14 programmes taught in English, thereby continuing to strengthen the international dimension of education. Responding to current societal, technological, and industrial challenges, the faculty successfully accredited four new bachelor's degree programmes: the professionally oriented programmes Environmental Chemistry and Sustainability, Innovative Polymer Materials and Coatings, and Chemistry for Fire Protection, together with the academically oriented programme Inorganic Materials for Optoelectronics. Owing to the continuous enhancement of our study portfolio, an increasing emphasis on graduates' employability, and the development of innovative promotional activities, we succeeded in increasing the number of students enrolled in the first year of bachelor's degree programmes. In addition, a new follow-up master's degree programme in Chemical Engineering was accredited, expanding the faculty's portfolio of academically oriented study programmes and building upon its long-standing tradition in this field.

In 2025, a total of 250 students successfully completed their studies at the faculty, including 123 bachelor's, 112 master's, and 15 doctoral graduates. The continuing strong demand for our graduates in the labour market is reflected, among other things, in the traditionally high participation of representatives from a wide range of industrial sectors in the Job Fair CONTACT, which was once again held at the faculty during the reporting year.

Scientific research remained one of the faculty's principal strengths in 2025. Among the most significant events of the year was the evaluation of the faculty by an international assessment panel, including an on-site visit to the faculty's research workplaces. Numerous research projects continued to be successfully implemented, including prestigious projects funded by the European Research Council (ERC), the EU Horizon Programme, and the Jan Amos Komenský Operational Programme. Despite changes in the evaluation structure of the Czech Science Foundation (GACR), our academic and research staff secured several new GACR research grants. The high quality of the faculty's research activities was further demonstrated by a number of prestigious awards received by both staff and students. Among the most notable achievements were the Honorary Recognition for Lifetime Contribution to the Development and Implementation of Membrane Processes, awarded to Professor Petr Mikulášek, the Jean-Marie Lehn Award, presented to Ing. Zuzana Lásko, and the Josef Hlávka Award, received by Ing. Tomáš Hostinský, Ph.D.

As part of its third mission, the faculty continues to develop activities that connect academia with the wider public while fostering interest in science, technology, and education. In 2025, the faculty actively participated in the nationwide Researchers' Night, opening its laboratories to visitors and presenting current research in an attractive and accessible way to audiences of all ages. Furthermore, the faculty

became a co-organiser of Researchers' Night at Petr Bezruč Grammar School in Frýdek-Místek. Faculty staff also traditionally participated in the Science and Technology Fair held in Pardubice. Close cooperation with the educational centre SFÉRA continued throughout the year. In 2025, the faculty contributed to the Viva la Textilia Festival, focusing on contemporary issues related to textiles and their environmental impacts, engaging primary and secondary school pupils as well as the general public. Through its participation in the Pardubice Sports Park, the faculty also promoted physical activity and healthy lifestyles, thereby extending its outreach beyond the field of science education.

The safety, well-being, and sense of belonging of both staff and students remain among the faculty's highest priorities. In 2025, an Automated External Defibrillator (AED) was installed in the faculty premises. All employees were offered first-aid training, as well as three training modules focused on the protection of soft targets. Modernisation continued within the faculty, including the refurbishment of the entrance hall in the Stavařov building and selected laboratory facilities in Doubravice, where functionality was successfully combined with principles of sustainability. The faculty also continued to promote the effective use of modern technologies. In 2025, training courses on the application of generative artificial intelligence in teaching and research were organised for staff members and doctoral students. The strong sense of community shared by our staff and students was also reflected in the faculty's victory in the traditional University of Pardubice interfaculty sports challenge, "Let's Get the University Moving", achieved through the outstanding sporting commitment of both employees and students.

We would like to express our sincere gratitude to all employees and students for their commitment, cooperation, and contributions to the continued success of the Faculty of Chemical Technology, University of Pardubice, throughout 2025. We wish you every success and fulfilment in the year 2026.

Management of FChT

Both masculine and feminine forms used in this document are intended to be neutral with respect to contemporary usage, emotional perception, and gender in both its biological and social sense.

1 BASIC INFORMATION ABOUT THE FACULTY

1.1 Name, abbreviation and registered office

Faculty of Chemical Technology, abbreviated to “FChT”

Registered office: Studentská 573, 532 10 Pardubice

1.2 Mission, vision and strategic objectives

The mission, vision and strategic objectives of the faculty as an integral part of the University of Pardubice are based on the university-wide concept and strategic objectives. The Implementation Plan of the Strategic Plan of the Faculty of Chemical Technology at the University of Pardubice in 2025 was based on the revised Strategic Plan of the University of Pardubice for the period from 2021 and its specification for 2025. It built on the following priority objectives and strategic priorities, which were defined by the revised Strategic Plan of the Faculty of Chemical Technology at the University of Pardubice for the period from 2021:

Priority objective 1: Student competencies for the 21st century

Strategic priorities:

- S1.1 Implementation of study programmes on a level comparable to those abroad.
- S1.2 Development of the quality of study programmes with an emphasis on use of the acquired knowledge and skills for future employment.
- S1.3 Use of new technologies and modern aids for provision of education.
- S1.4 Strengthening of student global competences necessary for their future employment.
- S1.5 Internationalisation of bachelor's and master's degree programmes.
- S1.6 Increasing the quality and deepening the internationalisation of doctoral studies.
- S1.7 Strengthening quality assessment of study programmes and strategic management of educational activities.
- S1.8 Expanding the range of lifelong learning courses.
- S1.9 Interfaculty and interdisciplinary cooperation within the framework of educational activities.
- S1.10 Availability of information resources.
- S1.11 Systematic care for students and systematic work with graduates.

Priority objective 2: High-quality and respected scientific research and creative activities

Strategic priorities:

- S2.1 Application of the faculty system for assessment of the quality of R&D&I.
- S2.2 Development of high-quality or strategic disciplines in which the faculty implements doctoral degree programmes.
- S2.3 Reinforcement of excellence in selected subdisciplines of FORD.
- S2.4 Strategic management of R&D&I and orientation of the faculty towards fields with international level.
- S2.5 Development of modern and internationally comparable infrastructure.
- S2.6 Linking the scientific-research and creative activities of the faculty with their practical application with emphasis on commercialisation of the obtained results.

- S2.7 Permanent emphasis on student involvement in scientific research activities.
- S2.8 Promotion of collaboration between faculty departments. Promotion of inter-faculty cooperation.
- S2.9 Reinforcement of the principles of open science.

Priority objective 3: Human resources

Strategic priorities:

- S3.1 Reinforcement of the system of individual and career development of employees, including motivation supporting and developing their work activities and performance.
- S3.2 Implementation of a regular comprehensive appraisal system for staff in line with their performance and achievements.
- S3.3 Support for professional development and training of employees, acquisition of knowledge, skills and key competences.
- S3.4 Reinforcement of strategic human resources management.

Priority objective 4: International dimension and internationalisation

Strategic priorities:

- S4.1 Development of strategic partnerships and international cooperation in education and R&D&I.
- S4.2 Support for student and staff mobility.
- S4.3 Implementation of attractive study programmes and teaching of subjects in English.
- S4.4 Support for strategic management of internationalisation.
- S4.5 Implementation of the results of quality assessment of internationalisation.

Priority objective 5: Tradition and development of the faculty

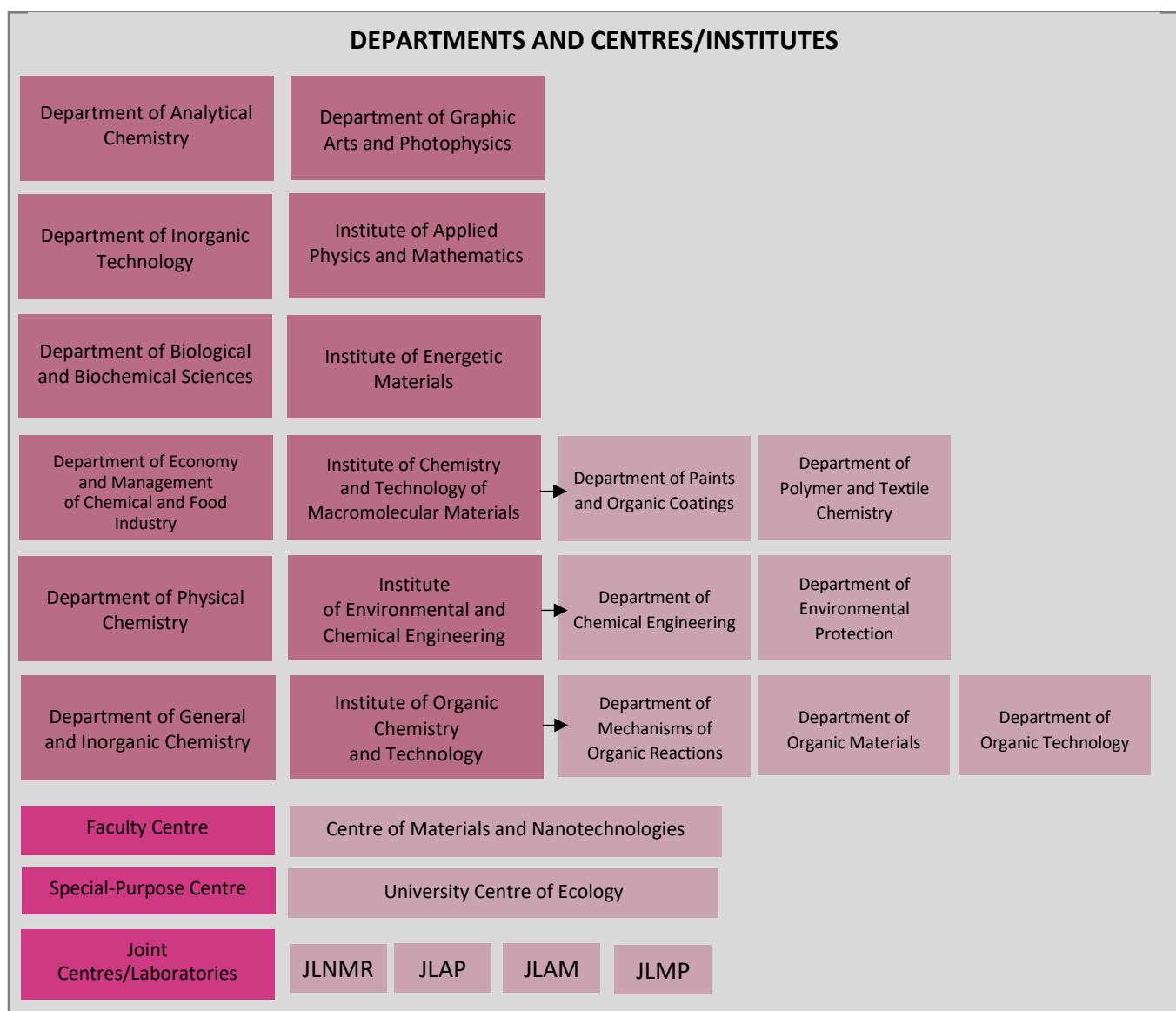
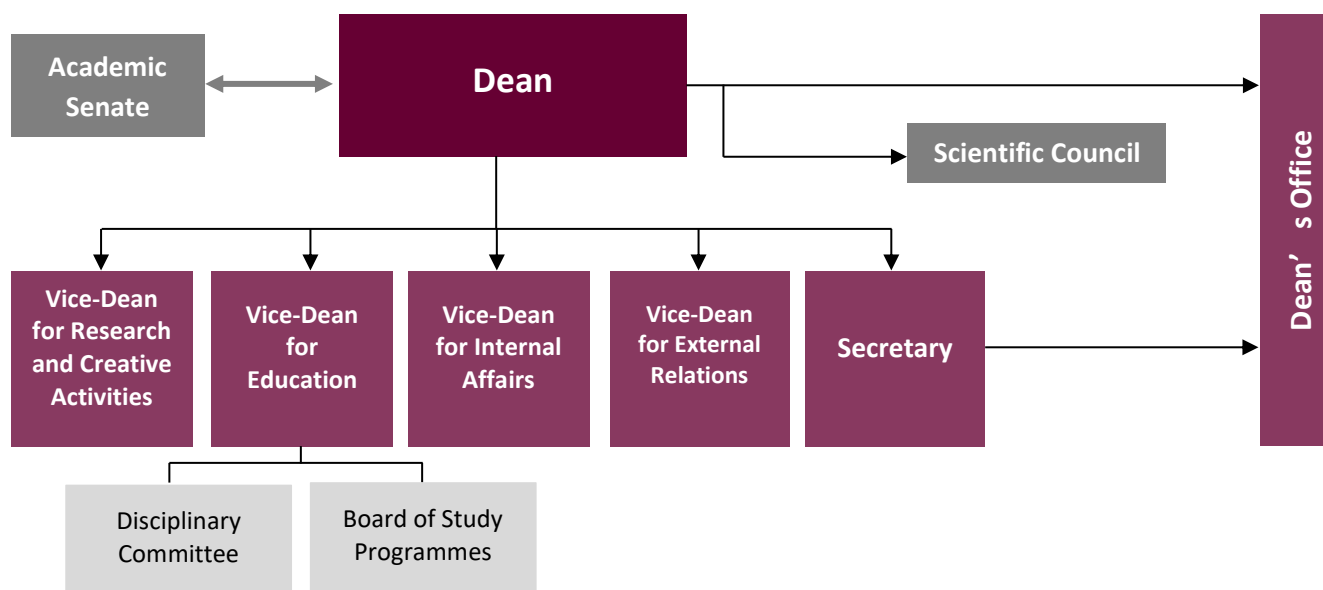
Strategic priorities:

- S5.1 Preservation of traditions and development of the faculty with a society-wide impact.
- S5.2 Implementation of a marketing strategy with the aim of developing the identity and strengthening the reputation of the faculty.
- S5.3 Reinforcement of mutual cooperation with an emphasis on synergy between faculty departments.
- S5.4 Reinforcement of the “third role” of the faculty within the Czech Republic.
- S5.5 Infrastructure fit for the 21st century.

1.3 Faculty management and its organisational structure

Dean:	prof. Ing. Petr Němec, Ph.D.	
Vice-Deans:	prof. Ing. Petr Mošner, Dr.	Vice-Dean for Education, Statutory Representative of the Dean
	doc. Ing. Petr Česla, Ph.D.	Vice-Dean for Research and Creative Activities
	doc. Ing. Alena Komersová, Ph.D.	Vice-Dean for External Relations
	prof. Ing. Liběna Tetřevová, Ph.D.	Vice-Dean for Internal Affairs
Secretary:	Ing. Martin Šprync	

Organisational Chart of the Faculty



Legend:

JLAP Joint Laboratory of Analysis and Evaluation of Polymers
JLMP Joint Laboratory of Membrane Processes
JLNMR Joint Laboratory of NMR Spectroscopy
JLAM Joint Laboratory of Applied Medical Science

1.4 Academic Senate

Presidium:

doc. Ing. Martin Adam, Ph.D., Chair
doc. Ing. Jaroslav Barták, Ph.D. (from 1 December 2025)
doc. Ing. Pavel Čičmanec, Ph.D. (until 30 November 2025)
Ing. Marie Nevyhoštěná (until 30 November 2025)
Ing. Martin Šanda (from 1 December 2025)

Members:

doc. Ing. Martin Adam, Ph.D.
doc. Ing. Jaroslav Barták, Ph.D.
doc. Ing. Marek Bouška, Ph.D.
prof. Ing. Filip Bureš, Ph.D. (from 1 December 2025)
doc. Ing. Pavel Čičmanec, Ph.D.
Ing. Aleš Eisner, Ph.D. (until 30 November 2025)
Ing. Tomáš Hlavatý (from 9 June 2025 until 30 November 2025)
Bc. Jana Hrušková (until 3 June 2025)
prof. Ing. Roman Jambor, Ph.D.
doc. Ing. Petr Knotek, Ph.D.
Tomáš Květoň (from 1 December 2025)
Ing. Petr Leinweber (from 1 December 2025)
Ing. Marie Nevyhoštěná (until 30 November 2025)
Ing. Patrik Pařík, Ph.D.
Ing. Adéla Pospíšilová (from 1 December 2025)
Mgr. Viktorie Strnadová (from 1 December 2025)
Ing. Martin Šanda
Ing. David Vaculík (until 30 November 2025)
Bc. Josef Velebný (until 30 November 2025)
prof. Ing. Jaromír Vinklár, Dr.
prof. Ing. Tomáš Wágner, DrSc. (from 1 December 2025)
prof. Ing. Tomáš Weidlich, Ph.D. (until 30 November 2025)

1.5 Scientific Council

Chair:	prof. Ing. Petr Němec, Ph.D., Dean of the Faculty of Chemical Technology
Internal members:	prof. Ing. Libor Čapek, Ph.D. doc. Ing. Petr Česla, Ph.D. prof. Ing. Čestmír Drašar, Dr. prof. Ing. Michal Holčapek, Ph.D. prof. Ing. Aleš Imramovský, Ph.D. prof. Ing. Roman Jambor, Ph.D.

prof. Ing. Petr Kalenda, CSc. (until 14 September 2025)
 doc. Ing. Alena Komersová, Ph.D.
 prof. Ing. Miroslav Ludwig, CSc.
 prof. Ing. Jiří Málek, DrSc.
 prof. Ing. Petr Mošner, Dr.
 doc. Ing. Jiří Pachman, Ph.D.
 prof. RNDr. Tomáš Roušar, Ph.D.
 prof. Ing. Aleš Růžička, Ph.D.
 prof. Ing. Miloš Sedlák, DrSc.
 prof. Ing. Petra Šulcová, Ph.D.
 prof. Ing. Liběna Tetřevová, Ph.D.
 prof. Ing. Ladislav Tichý, DrSc.
 prof. Ing. Karel Ventura, CSc.
 prof. Ing. Jaromír Vinklársek, Dr.
 prof. Ing. Tomáš Weidlich, Ph.D.

External members:

prof. RNDr. Jiří Barek, CSc.	Faculty of Science, CU Praha
prof. Ing. Roman Čermák, Ph.D.	Dean of the Faculty of Technology, TBU in Zlín
Mgr. Karolína Gondková	MEYS CR, Praha
prof. RNDr. Libor Grubhoffer, CSc., Hon. D.Sc., Dr.h.c.	Biology Centre CAS, p.r.i.
prof. Ing. Jiří Hanika, DrSc., Dr.h.c.	Institute of Chemical Process Fundamentals of CAS, p.r.i., Prague
prof. Ing. Kamila Kočí, Ph.D.	Institute of Environmental Technology, TUO Ostrava
prof. Ing. Zdeňka Kolská, Ph.D.	Faculty of Science, JEPÚ Ústí nad Labem
Ing. Josef Liška	Lovochemie, a.s., Lovosice
Ing. David Pohl, Ph.D.	Synthos, a.s., Kralupy nad Vltavou
prof. Ing. Václav Švorčík, DrSc.	Faculty of Chemical Technology, UCHT in Prague
Ing. Daniel Tamchyna, MBA	Spolchemie, a.s., Ústí nad Labem
prof. Ing. Martin Weiter, Ph.D.	Vice-Rector, BUT in Brno

1.6 Disciplinary Committee

Chair: prof. Ing. Petr Mošner, Dr.
Members: Ing. Kamil Bečvář, student of a doctoral degree programme
 Ing. Martin Gorčík, student of a doctoral degree programme
 Ing. Marie Nevyhoštěná, student of a doctoral degree programme
 prof. RNDr. Tomáš Roušar, Ph.D.
 prof. Ing. Jaromír Vinklársek, Dr.

1.7 Representation in the Higher Education Council

The faculty is represented in the Higher Education Council by Ing. Petr Bělina, Ph.D. (member of the Presidium) and doc. Ing. Marek Bouška, Ph.D. (member of the Assembly).

1.8 Changes in the field of internal regulations

The internal regulations of the faculty which govern the activities of the faculty are in particular constituted by directives, orders, measures and notices. The following internal regulations were issued in 2025.

Název vnitřního předpisu	Č. jednací
Directive No. 1/2025: Support for Young Members of Staff During Scientific Research Stays Abroad	dfcht/00000406/2025
Directive No. 2/2025: Determination of the Amount of Personal Project Bonus and Project-related Remuneration	dfcht/00012245/2025
Directive No. 3/2025: Principles Governing the Organisation of Doctoral Studies by Subject Area Boards and the Defence of Dissertations Within the Faculty of Chemical Technology at the University of Pardubice	dfcht/00016285/2025
Directive No. 4/2025: Evaluation of the Fulfilment of an Individual Study Plan of a Doctoral Student	dfcht/00016299/2025
Directive No. 5/2025: Courses for Students in Doctoral Degree Programmes at the Faculty of Chemical Technology, University of Pardubice	dfcht/00016409/2025
Directive No. 6/2025: Rules of Procedure of the Advisory Boards of Doctoral Study Programmes Accredited at the Faculty of Chemical Technology of the University of Pardubice	dfcht/00018978/2025
Directive No. 8/2025: Schedule of the Final State Examinations for Bachelor's Study Programmes in the Academic Year 2025/2026	dfcht/00020257/2025
Directive No. 9/2025: Schedule of the Final State Examinations for the Follow-up Master's Study Programmes in the Academic Year 2024/2025	dfcht/00020258/2025
Directive No. 10/2025: Admission Procedure for the Academic Year 2026/2027	dfcht/00021957/2025
Directive No. 11/2025: Evaluation of the Faculty of Chemical Technology Employees in Group 1 (Salary Grades 1 and 2) and Groups 2 and 3 of Job Classification	dfcht/00027367/2025
Amendment No. 1 to the Directive No. 5/2024: Admission Procedure for the Academic Year 2025/2026	sfcht/00001044/2025
Amendment No. 2 to the Directive No. 5/2024: Admission Procedure for the Academic Year 2025/2026	dfcht/00002637/2025
Amendment No. 3 to the Directive No. 5/2024: Admission Procedure for the Academic Year 2025/2026	dfcht/00005246/2025
Amendment No. 4 to the Directive No. 5/2024: Admission Procedure for the Academic Year 2025/2026	dfcht/00007789/2025
Amendment No. 5 to the Directive No. 5/2024: Admission Procedure for the Academic Year 2025/2026	dfcht/00011242/2025
Amendment No. 1 to the Directive No. 5/2025: Admission Procedure for the Academic Year 2025/2026	dfcht/00029232/2025
Amendment to the Directive No. 9/2023 Doctoral Degree Supervisor Standard	dfcht/00016307/2025
Amendment No. 1 to the Directive No. 10/2025: Admission Procedure for the Academic Year 2026/2027	dfcht/00026749/2025
Amendment No. 2 to the Directive No. 10/2025: Admission Procedure for the Academic Year 2026/2027	dfcht/00028551/2025

Dean's Measure No. 1/2025: Obstacles to Work on the Side of the Employer	sfcht/00001304/2025
Dean's Measure No. 2/2025: Obstacles to Work on the Side of the Employer	sfcht/00001306/2025
Dean's Measure No. 3/2025: Obstacles to Work on the Side of the Employer	dfcht/00002427/2025
Dean's Measure No. 4/2025: Obstacles to Work on the Side of the Employer	dfcht/00013461/2025
Dean's Measure No. 5/2025: Obstacles to Work on the Side of the Employer	dfcht/00019350/2025
Amendment No. 1 to the Directive No. 2/2017: Supervision of University Qualification Theses at the Faculty of Chemical Technology of the University of Pardubice	dfcht/00016318/2025
Announcement No. 1/2025: Conference of Doctoral Students in English	dfcht/00006194/2025
Announcement No. 2/2025: Conditions and the amount of the Students' Prize of the Dean of the Faculty of Chemical Technology of the University of Pardubice awarded in the year 2025	sfcht/ 00008908/2025
Announcement No. 3/2025: Graduation Ceremony 2025	dfcht/00009812/2025
Announcement No. 4/2025: Holidays for Students of Doctoral Study Programmes	dfcht/00011243/2025
Announcement No. 5/2025: Establishment of Sub-Inventory Committees	dfcht/00013392/2025
Announcement No. 6/2025: Commencement 2024	dfcht/00015818/2025
Announcement No. 7/2025: Matriculation of First-Year Students at FChT	dfcht/00023268/2025
Announcement No. 8/2025: Cancellation of Classes for First-Year Bachelor's Students	dfcht/00023269/2025
Announcement No. 9/2025: Conference of Doctoral Students in English	dfcht/00027024/2025
Dean's Methodological Guideline No. 1/2025: Methodical Guideline for Directive No. 3/2025 – Methodological Guidelines for Preparation of an Individual Study Plan for a Doctoral Student	dfcht/00016300/2025

2 STUDY PROGRAMMES, ORGANISATION OF STUDIES AND EDUCATIONAL ACTIVITIE

2.1 Accredited study programmes

FChT had a total of 64 accredited study programmes in 2025. These included 20 bachelor's, 20 master's and 24 doctoral study programmes. From the above-mentioned study programmes, 2 master's and 12 doctoral study programmes were offered in English.

In the academic years 2024/2025 and 2025/2026, FChT had the following accredited study programmes.

Accredited study programmes				
Code	Name of study programme	Standard length of study (years)		
		Bc.	Mgr.	Ph.D.
B0413A050050	Management of Sustainable Businesses	3		
B0488A050003	Economics and Management of Chemical Industry Enterprises	3		
B0512A130006	Analysis of Biological Materials	3		
B0531A130012	Pharmacochemistry and Medicinal Materials	3		
B0531A130013	Surface Protection of Building and Construction Materials	3		
B0531A130014	Graphic Arts and Printing Technology	3		
B0531A130016	Inorganic and Bioinorganic Materials	3		
B0531A130017	Polymer Materials and Composites	3		
B0531A130024	Evaluation and Analysis of Foodstuffs	3		
B0531A130025	Chemistry	3		
B0531A130038	Chemistry for Science	3		
B0531P130002	Modern Printing and Visualisation Technologies	3		
B0588A130001	Chemistry and Technology of Environmental Protection	3		
B0914P360019	Laboratory Diagnostics in Medicine	3		
B0531P130004	Chemistry of Beer and Fermented Products	3		
B0531A130039	Biomaterials	3		
B0531P130006	Environmental Chemistry and Sustainability	3		
B0531A130044	Inorganic Materials for Optoelectronics	3		
B0531P130007	Innovative Polymer Materials and Coatings	3		
B0531P130008	Chemistry for Fire Protection	3		
N0413A050010	Economy and Management of Chemical Industry Enterprises		2	
N0512A130006	Analysis of Biological Materials		2	
N0531A130013	Graphic Arts and Printing Technology		2	
N0531A130027	Engineering of Energetic Materials		2	
N0531A130028	Analytical Chemistry		2	
N0531A130029	Inorganic and Bioinorganic Chemistry		2	
N0531A130030	Evaluation and Analysis of Foodstuffs		2	
N0531A130031	Material Engineering		2	
N0531A130032	Materials Chemistry		2	
N0531A130035	Physical Chemistry		2	
N0531A130047	Organic Chemistry and Technology	Organic Chemistry	2	
		Technology of Organic Specialities	2	
N0531A130052	Chemistry and Technology of Paper and Pulp		2	
N0531A130053	Organic Coatings and Paints		2	

N0531A130054	Technology of Polymers Manufacturing and Processing		2	
N0711A130008	Engineering of Energetic Materials		2	
N0711A130013*	Chemical and Process Engineering	Chemical Engineering	2	
		Environmental Protection	2	
N0711A130025	Chemical Engineering		2	
N0711A130014	Sustainable Development in Chemistry and Technology		2	
N0711A130015	Inorganic Technology		2	
N0914P360001	Bioanalytical Laboratory Diagnostics in Medicine		2	
P0413D050023	Economics and Management of Enterprises with Process Manufacturing Operations			4
P0512D130013	Biochemistry			4
P0531D130009	Analytical Chemistry			4
P0531D130011	Inorganic Chemistry			4
P0531D130013	Chemistry and Technology of Inorganic Materials			4
P0531D130015	Organic Chemistry			4
P0531D130052	Physical Chemistry			4
P0531D130053	Engineering of Energetic Materials			4
P0531S130070	Surface Engineering			4
P0711D130001	Organic Technology			4
P0711D130025	Inorganic Technology			4
P0711D130027	Chemical and Process Engineering	Chemical Engineering		4
		Environmental Engineering		4
P0413D050024	Economics and Management of Businesses with Process Manufacturing Operations			4
P0512D130014	Biochemistry			4
P0531D130010	Analytical Chemistry			4
P0531D130012	Inorganic Chemistry			4
P0531D130014	Chemistry and Technology of Inorganic Materials			4
P0531D130016	Organic Chemistry			4
P0531D130051	Engineering of Energetic Materials			4
P0531D130054	Physical Chemistry			4
P0531D130071	Surface Engineering			4
P0711D130002	Organic Technology			4
P0711D130026	Chemical and Process Engineering	Chemical Engineering		4
		Environmental Engineering		4
P0711D130028	Inorganic Technology			4

* Newly accredited under programme code N0711A130025

2.2 Innovation of study programmes

In 2025, in close cooperation with programme guarantors, course supervisors and other teaching staff, continuous innovation of individual study programmes and their courses was implemented within the framework of valid accreditations.

2.3 Application of ECTS and learning outcomes methodology

The principles of a credit system are applied corresponding to the international ECTS – European Credit Transfer System. Use of the credit system is enshrined in the Study and Examination Regulations of the University of Pardubice.

The profiles of graduates of bachelor's, master's and doctoral study programmes are described in the newly accredited study programmes, as are the learning outcomes of individual subjects, in relation to the outcomes of the INP National Qualifications Framework for Tertiary Education (Q-RAM) and in accordance with the Framework of Higher Education Qualifications of the Czech Republic.

2.4 Interest in studying at the faculty

Open days in 2025

The Faculty of Chemical Technology held its open days on 24 and 25 January for the general public, with a special session on 14 February for students of the Upper Secondary School of Chemistry Pardubice. More than 250 secondary school students visited the faculty during these events (84 grammar school students and 168 students from other secondary schools). The faculty introduced its bachelor's degree programmes in the form of a fair and offered laboratory tours. As part of the accompanying programme, prospective students were informed about the admissions procedure, opportunities for studying abroad, accommodation options in university Halls of Residence, and other aspects of university life at the University of Pardubice. Additionally, the career prospects for graduates were also presented.

Cooperation with primary and secondary schools and the search for talented students

FChT has long been involved in cooperation with secondary schools and in the search for talented students and applicants for study at the faculty. Significant activities in this area include:

- systematic promotion of the faculty at selected secondary schools,
- specialist lectures delivered by the faculty academic staff at selected secondary schools,
- excursions by secondary schools to faculty premises,
- competition entitled "Search for the Best Young Chemist in the Czech Republic" (for primary schools),
- competition entitled "Chemistry Race" (for secondary schools),
- competition entitled "Chemistry Olympics" (for secondary schools),
- Students' Professional Activity contest – SPA (for secondary schools),
- the AMAVET Science and Technology Festival for Children and Youth in the Pardubice Region.

Admissions procedure

The admissions procedure for studies in bachelor's degree programmes for the academic year 2025/2026 took place in two rounds. The deadline for the first round of applications was 31 March 2025. This was subsequently extended until 31 May 2025. In view of the fact that the capacity of some bachelor's degree programmes was not filled during the first round of the admissions procedure, a second round was announced with the deadline for applications being 10 August 2025. The second round of the admissions procedure was then carried out by evaluating the applicants' academic results from secondary school – on the basis of these results, a ranking was drawn up, according to which the applicants were admitted to their chosen course of study where the capacity of the study programmes so allowed. The entrance examination for applicants to the Chemistry for Science programme was held on 26 May and 5 June 2025.

The deadline for submission of applications for master's degree programmes was 30 June 2025. The admissions procedure was held in the period from 2 September until 3 September 2025. Entrance examinations took the form of an oral interview or a written test.

The deadline for submission of applications for doctoral degree programmes was 31 May 2025. The admissions procedure in the form of an oral interview was held on 10 June 2025.

The second round of the admissions procedure was opened, with the application deadline set for 10 August 2025. Oral interviews were held on 27 August and 12 September 2025.

The results of the admissions procedures held in 2025 are summarised in the following table.

Number of students who applied, were accepted and enrolled in the 1st year of bachelor's, master's and doctoral studies			
Numbers of students	Applied	Accepted	Enrolled
Bc.	1076	805	447
Mgr.	216	152	117
Ph.D.	18	18	17
Total	1310	975	581

2.5 Students of implemented study programmes

The number of students at the faculty as of 31 October of the respective year is given in the following tables. The letter *f* after the number indicates foreign students.

Total number of students					
Year	2021	2022	2023	2024	2025
Number of students	1190+132f	1087+119f	1006+114f	1030+100f	1108+98f

Number of students by form and level of study					
Form and level of study	2021/22	2022/23	2023/24	2024/25	2025/26
Students with Czech citizenship	1190	1087	1006	1030	1108
Foreign students	132	119	114	100	98
Total students	1322	1206	1120	1130	1206
Full-time study					
Bachelor's programmes	813+85f	709+72f	648+65f	695+58f	801+59f
Master's programmes	264+20f	263+15f	244+16f	224+16f	206+15f
Total full-time	1077+105f	972+87f	892+81f	919+74f	1007+74f
Total combined study	-	-	-	-	-
Doctoral programmes	113+27f	115+32f	114+33f	111+26f	101+24f

Number of full-time students by study programme						
Study programme	2023/24		2024/25		2025/26	
	Bc.	Mgr.	Bc.	Mgr.	Bc.	Mgr.
*Chemistry and Technical Chemistry	1+0f	-	-	-	-	-
*Chemistry and Technology of Foodstuffs	1+0f	-	-	-	-	-
* Special Chemical and Biological Fields	111+7f	-	16+1f	-	-	-
* Chemistry	-	-	-	0+1f	-	-

* Chemistry and Technology of Materials	-	2+0f	-	-	-	-
Management of Sustainable Businesses	-	-	25+1f	-	47+3f	-
Economics and Management of Chemical Industry Enterprises	20+2f	22+2f	7+0f	12+1f	3+0f	7+1f
Analysis of Biological Materials	33+11f	26+4f	42+8f	29+4f	49+9f	29+3f
Pharmacochemistry and Medicinal Materials	84+18f	-	100+19f	-	98+17f	-
Surface Protection of Building and Construction Materials	8+0f	-	2+0f	-	2+0f	-
Graphic Arts and Printing Technology	26+2f	10+1f	12+1f	11+2f	5+1f	6+1f
Chemistry and Technology of Environmental Protection	19+2f	-	14+0f	-	9+0f	-
Polymer Materials and Composites	14+1f	-	10+0f	-	4+0f	-
Engineering of Energetic Materials	-	0+1f	-	0+1f	-	0+4f
Bioanalytical Laboratory Diagnostics in Medicine	-	42+1f	-	45+3f	-	51+2f
Laboratory Diagnostics in Medicine	181+10f	-	264+17f	-	332+17f	-
Inorganic and Bioinorganic Materials	9+1f	-	15+1f	-	8+0f	-
Organic Chemistry and Technology	Organif Fhemistry	-	13+0f	-	14+0f	13+1c
	Tefhn. of Organif Spefialities.	-	3+1f	-	-	-
Organic Coatings and Paints	-	4+0f	-	3+0f	-	3+0f
Technology of Polymer Manufacturing and Processing	-	8+0f	-	7+1f	-	4+0f
Evaluation and Analysis of Foodstuffs	55+5f	23+0f	54+6f	30+0f	56+4f	27+0f
Chemistry	86+6f	-	102+4f	-	86+0f	-
Chemistry for Science	-	-	5+0f	-	14+0f	-
Biomaterials	-	-	-	-	10+3f	-
Modern Printing and Visualisation	-	-	27+0f	-	52+3f	-
Chemistry of Beer and Fermented Products	-	-	-	-	17+2f	-
Environmental Chemistry and Sustainability	-	-	-	-	9+0f	-
Engineering of Energetic Materials	-	8+1f	-	8+0f	-	8+0f
Analytical Chemistry	-	23+1f	-	22+1f	-	19+1f
Inorganic and Bioinorganic Chemistry	-	9+0f	-	4+0f	-	6+0f-
Material Engineering	-	18+0f	-	16+0f	-	12+0f
Materials Chemistry	-	0+4f	-	-	-	-
Physical Chemistry	-	11+0f	-	6+1f	-	7+1f
Chemical and Process Engineering	Fhemifal Engineering	-	5+1f	-	5+0f	2+0c
	Env. Proteftion	-	5+0f	-	-	-
Sustainable Dev. in Chemistry and	-	9+0f	-	9+1f	-	8+1f
Inorganic Technology	-	3+0f	-	3+0f	-	4+0f
Total	892+81f		919+74f		1007+74f	

* Originally accredited study programmes.

Number and proportion of doctoral students					
Year	2021/22	2022/23	2023/24	2024/25	2025/26
Number of students	140	147	147	137	125
Percentage of total number of students (%)	10,5	12,1	13,1	12,1	10,3

2.6 Student failure rates

The failure rate of students (as of 31 October) over the last five academic years in study programmes implemented at FChT is shown in following table.

Student failure rates in %					
Level of study	2020/21	2021/22	2022/23	2023/24	2024/25
Bc.	30.3 %	31.6 %	29.6 %	28.1 %	25.5 %
Mgr.	12.1 %	10.6 %	9.4 %	10.8 %	10.0 %
Ph.D.	13.4 %	10.7 %	13.6 %	9.5 %	10.9 %

2.7 Graduates of implemented study programmes

Care for graduates of study programmes at FChT is provided in cooperation with the University of Pardubice, which operates the graduate website <https://absolventi.upce.cz/>. Registration allows graduates to keep up to date, receiving information and news about their home University of Pardubice and the faculty they graduated from.

Development of the number of FChT graduates from the point of view of individual levels of study over the last five years is shown in the following table.

Numbers of graduates of individual levels of study					
Level of study	2021	2022	2023	2024	2025
Bc.	172	165	164	164	123
Mgr.	31	39	30	25	30
Ing.	81	76	86	82	82
Ph.D.	17	16	17	23	15
Total	301	296	297	294	250

The numbers in the table correspond to the V 12-01 statement for the period from 1 January to 31 December of the respective year.

Awarded theses of FChT students

V roce 2025 byla oceněna celá řada disertačních, diplomových a bakalářských prací za vynikající teoretickou a experimentální úroveň. Uděleny byly následující ceny:

- Student Prize awarded by the Dean of the Faculty of Chemical Technology at the University of Pardubice for an outstanding dissertation in the academic year 2024/2025 (5 prizes),
- Level I Student Prize awarded by the Rector for a diploma thesis defended in 2025 (1 prize),
- Level II Student Prize awarded by the Rector for a diploma thesis defended in 2025 (3 prizes),
- Student Prize awarded by the Dean of the Faculty of Chemical Technology at the University of Pardubice for an outstanding level and defence of a diploma thesis (5 prizes),
- Den Braven Production s.r.o. Prize for the best diploma thesis defended in 2025 in the field of polymer materials and composites (1 prize),
- Pfizer, spol. s r.o. Prize for the best diploma thesis defended in 2025 in the field of pharmaceutical chemistry (2 prizes),
- General Director's Prize from Synthesia, a.s. for the most content-rich diploma thesis defended in 2025 in the field of organic pigments and technologies, processes, materials, and technologies that have a significant impact on industrial production (2 prizes),

- Synthos, a.s. Prize for the best diploma thesis in the field of chemistry and chemical technology in the academic year 2024/2025 (3 prizes),
- TAPI Czech Industries s.r.o. Prize for the best diploma thesis defended in 2025 focusing on pharmaceutical chemistry and technology (2 prizes),
- Miroslav Jureček Foundation Prize (3 prizes),
- Student Prize of the Dean of the Faculty of Chemical Technology of the University of Pardubice, for outstanding level and defence of a bachelor's thesis (4 prizes),
- Den Braven Production s.r.o. Prize for the best bachelor's thesis defended in 2025 in the field of polymer materials and composites (1 prize),
- Pfizer, spol. s r.o. Prize for the best bachelor's thesis defended in 2025 in the field of pharmaceutical chemistry (2 prize),
- General Director's Prize from Synthesia, a.s. for the most content-rich bachelor's thesis defended in 2025 in the field of organic pigments and technologies, processes, materials, and technologies that have a significant impact on industrial production (2 prizes),
- TAPI Czech Industries s.r.o. Prize for the best bachelor's thesis defended in 2025 focusing on pharmaceutical chemistry and technology (2 prizes).

Cooperation with future employers of students

The faculty enjoyed cooperation with future employers of students in 2025. Apart from publishing information about demand on the part of companies for graduates of the faculty, the faculty organised a meeting of students and representatives of chemical companies called CONTACT 2025 on 12 March 2025, which was attended by 66 companies. The Faculty of Economics and Administration at the University of Pardubice and university career centre participated in organisation of this event together with FChT. The aim of this meeting was to put future graduates of the faculties in contact with potential employers and to help them get their bearings on the job market. Company presentations and face-to-face meetings were held in the university auditorium and on faculty premises, during which both parties had ample opportunity to talk about the things which interested them.

2.8 Other educational activities

FChT offered a number of additional educational activities for interested parties during the course of 2025. These included licensing study and the University of the Third Age, preparatory courses, as well as student research and professional activities.

Licensing study

Licensing study in the field of **“Theory and Technology of Explosives”** is intended for further education and retraining of workers in explosives, munitions, processing and disposal plants and factories, as well as workers who use, store and do business with explosives and explosive hazardous substances. This study is also suitable for obtaining basic information about protection of various facilities against gas explosions, vapour explosions or dispersion of combustible dusts. Completion of the programme provides participants with the professional competence required to manage, organise, supervise, and perform other specialised activities in accordance with Czech National Council Act No. 542/1991 Coll. and Slovak National Council Act No. 499/1991 Coll., as amended.

Licensing study in the field of **“Rock Blasting”** is intended for further education and retraining of workers from the field of blasting technology. Based on the decision of the Czech Mining Authority, reference number SBS24151/2022/ČBÚ-22, the curricula and texts of the licensed study meet the requirements for the qualification and professional competence of applicants for the blasting technical supervisor examination. The study is focused on the specialisations of surface mining and engineering work.

University of the Third Age

FChT offers study at the **“University of the Third Age”** to senior citizens and others with the lecture series **“Chemistry for Life”**. In this programme, the latest findings in the fields taught at the faculty, which are of interest to the general public, are presented in a popular format. Teachers from the ranks of the academic staff of the faculties at the University of Pardubice and experts from the sphere of practical application present selected topics in an attractive manner and try to overcome the ingrained negative attitudes of the non-professional public towards chemistry as such. The “University of the Third Age” programme promotes continuous intellectual development in the post-productive age, interest in current events, practical use of the acquired knowledge, a permanent active approach to life and creates a place for people to meet and establish new relationships.

More information about licensing study and the University of the Third Age which were implemented at FChT in 2025 can be seen in the following table.

Licensing study and University of the Third Age				
Name of educational activity	Number of participants	Length of study	Form of study	Number of hours
Theory and Technology of Explosives - implemented at the IEnM (launched in 2023 - completed)	12	4 semesters	licensing	345
Theory and Technology of Explosives - implemented at the IEnM (ongoing)	17	4 semesters	licensing	345
Rock Blasting – implemented at the IEnM (launched in 2023 - completed)	7	2 semesters	licensing	300
Chemistry for Life (completed)	34	4 semesters	U3V	184
Chemistry for Life (ongoing)	11	4 semesters	U3A	184

Preparatory courses

Before the beginning of regular tuition in the winter semester of the 1st year of bachelor’s degree studies, the Department of General and Inorganic Chemistry organises a course entitled “General and Inorganic Chemistry” every year. The course is aimed at acquiring and consolidating the most basic chemical skills such as chemical nomenclature, solving chemical equations, learning about the amount of substance and the preparation of solutions with the defined concentration.

Student Research and Professional Activities

Student Research and Professional Activities (SRPA) is the name of an activity for students of bachelor’s and master’s degree programmes at FChT which engages students in research and professional activities beyond the framework of their studies. SRPA is an important form of preparation for students, during which they learn to present the results of their work, develop research and professional skills and contribute towards improvement of their argumentation skills, presentation skills and professional writing. The eleventh year saw participation by 31 students from 10 faculty departments.



3 EMPLOYEES

3.1 Number of faculty employees and its development

FChT had a total of 291.68 employees (FTE) in 2025, of which 52 % were academics, 23 % were researchers and the remaining 26 % were other employees.

Total academics (FTE)								
	Professors	Associate professors	Assistant professors	Assistants	Lecturers	SRD staff	Extraordinary professors	TOTAL ACA
Women	5.25	13.30	30.39	0.70	-	-	-	49.64
Men	28.72	27.76	41.26	1.03	-	-	-	98.77
TOTAL	33.97	41.06	71.65	1.73	-	-	-	148.41

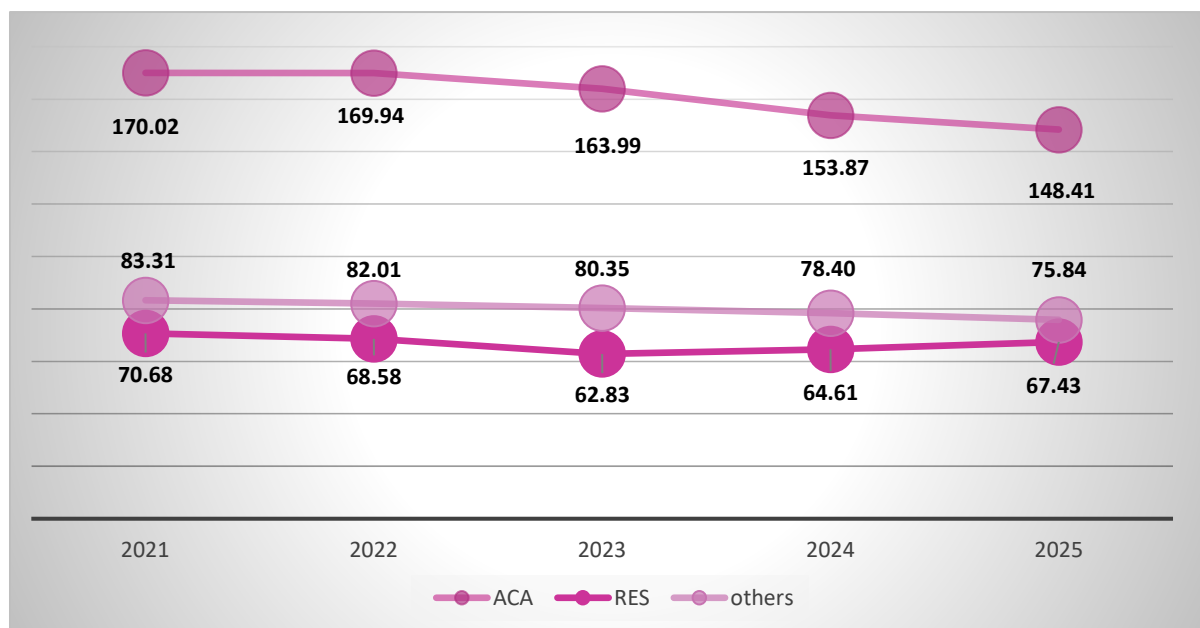
Total researchers and other employees (FTE)					
	Postdoctoral researchers ("Postdoc")	RES not included in other categories	Other SRD staff	Other employees	TOTAL RES and other employees
Women	-	25.90	-	63.79	89.69
Men	-	41.53	-	12.05	53.58
TOTAL	-	67.43	-	75.84	143.27

The FTE numbers of academics, researchers and other FChT employees from the point of view of foreign nationality are shown in the following tables.

Academics with foreign nationality (FTE)						
	Professors	Associate professors	Assistant professors	Assistants	Lecturers	SRD staff involved in teaching activities
Women	0.35	-	0.21	-	-	-
Men	-	-	3.00	-	-	-
TOTAL	0.35	-	3.21	-	-	-
Of which: Germany	-	-	-	-	-	-
Poland	-	-	-	-	-	-
Austria	-	-	-	-	-	-
Slovakia	-	-	1.21	-	-	-
Other EU states	0.35	-	1.00	-	-	-
Other non-EU states	-	-	1.00	-	-	-

Researchers and other employees with foreign nationality (FTE)				
	Postdoctoral researchers ("Postdoc")	RES not included in other categories	Other SRD staff	Other employees
Women	-	8.13	-	0.13
Men	-	6.38	-	-
TOTAL	-	14.51	-	0.13
Of which: Germany	-	-	-	-
Poland	-	-	-	-
Austria	-	-	-	-
Slovakia	-	2.83	-	-
Other EU states	-	2.00	-	-
Other non-EU states	-	9.68	-	0.13

The development of the number of FTEs among FChT employees over the last five years is illustrated in the following graph.



3.2 Career development rules and system remuneration

Heads of FChT departments are obliged to prepare an annual qualification development plan for each employee and are obliged to submit this plan in writing to the Dean of Faculty by 31 January. An FChT staff development plan is prepared annually in relation to this, as was also the case in 2025, and is discussed and approved by faculty management by 1 March of each respective year.

Qualification requirements for the performance of individual work activities are defined by the Internal Wage Regulations of the University of Pardubice. The Internal Wage Regulations also lay down a uniform procedure (conditions) for the provision of fixed salaries and on-call bonuses and the amount of all such monetary benefits to university employees for work performed for the university within the framework of a basic employment relationship in accordance with Act No. 262/2006 Coll., the Labour Code, as amended. These Internal Wage Regulations also regulate the basic conditions for negotiating remuneration from an agreement in the case of university staff working for the university on the basis of agreements on work performed outside of an employment relationship.

3.3 Qualification structure of employees

Measured in terms of individuals, a total of 312 people were working at FChT as of 31 December 2025, including 165 academics, 72 researchers and 75 other employees, as shown in the following tables.

Number of academics by full-time equivalent and highest qualification attained (numbers of individuals)												
FTE	Professor			Associate Professor			DrSc., CSc., Dr., Ph.D., Th.D.			Other		
	Women	Men	TOTAL	Women	Men	TOTAL	Women	Men	TOTAL	Women	Men	TOTAL
up to 0.3	0	1	1	0	0	0	1	2	3	1	2	3
0.31–0.5	1	4	5	0	2	2	3	2	5	1	1	2
0.51–0.7	1	2	3	0	1	1	0	0	0	0	0	0
0.71–1	4	25	29	13	29	42	29	39	68	0	1	1
TOTAL	6	32	38	13	32	45	33	43	76	2	4	6

In accordance with the methodology of the Ministry of Education, Youth and Sports, the categorisation of academic staff is based on their highest attained qualifications.

Number of researchers and other employees by full-time equivalent (numbers of individuals)						
FTE	Researchers			Others		
	Women	Men	TOTAL	Women	Men	TOTAL
up to 0.3	0	1	1	1	1	2
0.31–0.5	5	1	6	1	1	2
0.51–0.7	1	1	2	0	0	0
0.71–1	21	42	63	61	10	71
TOTAL	27	45	72	63	12	75

3.4 Qualification development of employees

The specification of newly appointed professors and associate professors in 2025, including those who are not core staff members at FChT, is shown in the table below.

Newly appointed professors and associate professors (numbers)		
	Associate professors	Professors
man	3	0
woman	0	0
TOTAL	3	0

Newly appointed professors and associate professors (age)		
	Associate professors	Professor
Age range 40-49	3	0
Age range 50-59	0	0
TOTAL	3	0

3.5 Age structure of employees

The age structure of employees at FChT as at 31 December 2025 is shown in the following tables.

Age structure of academics (numbers of individuals)												
Age range	Women	Men	TOTAL	Women	Men	TOTAL	Women	Men	TOTAL	Women	Men	TOTAL
	Professors			Associate professors			Assistant professors			Assistants		
Up to 29	0	0	0	0	0	0	1	4	5	1	1	2
30-39	0	0	0	0	1	1	4	12	16	0	2	2
40-49	0	5	5	6	14	20	15	18	33	1	1	2
50-59	4	12	16	5	10	15	9	8	17	0	0	0
60-69	2	8	10	2	2	4	4	2	6	0	0	0
Over 70	0	7	7	0	3	3	0	1	1	0	0	0
TOTAL	6	32	38	13	30	43	33	45	78	2	4	6

In accordance with the methodology of the Ministry of Education, Youth and Sports, the categorisation of academic staff is based on their job classification.

Age structure of researchers (numbers of individuals)			
Age range	Women	Men	TOTAL
	Researchers not included in other categories		
Up to 29 let	4	2	6
30-39	9	25	34
40-49	9	15	24
50-59	3	1	4
60-69	1	1	2
Over 70	1	1	2
TOTAL	27	45	72

Age structure of other employees (numbers of individuals)			
Age range	Women	Men	TOTAL
	Other employees		
Up to 29 let	0	1	1
30-39	5	1	6
40-49	17	3	20
50-59	33	2	35
60-69	8	4	12
Over 70	0	1	1
TOTAL	63	12	75

3.6 Management workers

The gender representation of FChT employees in management bodies as of 31 December 2025 is shown in the following table.

Management workers (numbers of individuals)							
	Dean	Vice-Dean	Academic Senate	Scientific Council	Secretary	Head of Department /Institute/ Research Site	TOTAL management workers
Women	0	2	0	3	0	3	8
Men	1	2	10	18	1	10	42
TOTAL	1	4	10	21	1	13	50

3.7 Employee work-life balance

Ensuring the appropriate work-life balance for employees is a priority for the faculty. Employees with young children, for example, are accommodated when setting holiday dates, and in the case of academic staff, this is respected when drawing up the timetable. As regards the employment contracts of employees, these are both fixed-term and open-ended, full-time and part-time.

Work-life balance				
	Number of fixed-term employment contracts	Number of open-ended employment contracts	Number of full-time employment contracts	Number of part-time employment contracts
Women	41	103	124	20
Men	52	116	141	27
TOTAL	93	219	265	47

3.8 Average gross salary of employees

Average gross salary of FChT and University of Pardubice employees as a whole over the last five years is shown in the following table.

Average gross salary of employees in CZK					
	2021	2022	2023	2024	2025
FChT					
Average gross salary	52,884	50,826	52,398	62,414	66,605
UPCE					
Average gross salary	43,143	43,789	45,316	50,643	54,815



4 INTERNACIONALISATION

4.1 Involvement in international cooperation

FChT is involved in international cooperation in the field of research and teaching. Projects both of foreign providers and also projects funded by domestic providers intended to support bilateral cooperation are submitted and implemented

In 2025, two significant ERC projects continued: the ERC Advanced Grant project titled Oncolipidomics: Why is Lipidomic Dysregulation Pattern in Blood Similar for Various Cancers? (Oncolipid), and the ERC CZ project titled Positively Charged Heteroboranes which was successfully completed in August 2025. The Horizon Europe projects entitled Smart Sensors and Self-healing Functionalities Embedded for Battery Longevity with Manufacturability and Economical Recyclability (SALAMANDER), Joint Industrial Data Exchange Pipeline (JIDEP) and the Innovative Environmental Multisensing for Waterbody Quality Monitoring and Remediation Assessment (IBAIA) also continued. A new MSCA mobility project, A Multidisciplinary and Circular Approach towards the Development of Innovative, Safe-by-Design, (Bio)degradable Multifunctional Coatings (SAFERCOAT), was approved, as was the MSCA Fellowships CZ at the University of Pardubice 2025 project. International cooperation within the Bavarian-Czech Alliance (BaCzALD) also continued throughout the year. In addition to these projects, the faculty was involved in the implementation of other international research projects, which are described in greater detail in Chapter 5.2.

FChT also worked on the teaching project in cooperation with foreign partners during the year, specification of which is seen in the table below.

International teaching projects			
Project number	Project name	Provider/programme	Principal investigator
22320035	Innovative Education according to the Needs of Industry 4.0 Principles in V4 Countries	IVF/International Visegrad Fund	Branská Lenka, doc. Ing., Ph.D.

In connection with involvement by FChT in international cooperation, expenditure was incurred in 2025 for foreign business trips in the amount of CZK 5,930,000. The following table shows development of costs for foreign business trips over the last five years, which was significantly affected by the COVID-19 pandemic in 2021.

Costs for foreign business trips (in CZK thousands)					
Year	2021	2022	2023	2024	2025
Costs for foreign business trips	1,148	6,854	5,388	5,509	5,930

4.2 International mobility of students, academics and other staff

FChT continued to participate in international cooperation within the framework of the Erasmus+ programme in 2025, as is shown in the table below.

Mobility of students, academics and other staff in the Erasmus+ programme					
Index	2021	2022	2023	2024	2025
Number of outgoing students	14	17	28	29	31

Number of incoming students	5	9	9	9	9
Number of outgoing academics	2	3	3	7	6
Number of incoming academics	0	2	0	2	4
Number of outgoing other workers	0	2	2	1	1
Number of incoming other workers	0	1	0	0	2

FChT was also involved in the following three networks within the framework of the CEEPUS programme (“Central European Exchange Programme for University Studies”) during the respective year:

- CIII-CZ-0212 - Ing. Radovan Metelka, Ph.D.,
- CIII-RO-1111 - Ing. Radovan Metelka, Ph.D.,
- CIII-RS-0704 - Ing. Bohumil Jašúrek, Ph.D.

Mobility within the framework of the CEEPUS programme is specified below.

Mobility of students and academics in the CEEPUS programme					
Index	2021	2022	2023	2024	2025
Number of projects	3	3	3	3	3
Number of outgoing students	0	1	0	1	3
Number of incoming students	1	7	14	9	15
Number of outgoing academics	0	5	3	2	2
Number of incoming academics	4	10	10	9	10
Grants (in CZK thousands)	93	241	288	180	297

In 2025, FChT also hosted a further 11 international staff members and 7 international students whose mobility was funded from other sources.

4.3 Overview of cooperation agreements with foreign partners

FChT has concluded agreements with the following foreign partners.

Agreements with foreign partners in the field of education	
Belgium	Artvelde University of Applied Sciences
Finland	Åbo Akademi University
Finland	Lapland University of Applied Sciences
Finland	Tampere University
Finland	University of Lapland
France	Ecole Nationale Supérieure des Ingénieurs des Etudes et Techniques d'Armement
France	Grenoble Institute of Technology
France	Université de Lille - Faculty Of Science And Technologies
France	University of Caen Normandy
France	Université de Rennes I
Croatia	University of Dubrovnik
Croatia	University of Zagreb
Italy	Università degli Studi dell'Aquila
Italy	Università Degli Studi Di Modena E Reggio Emilia
Italy	Università di Torino
Italy	Università degli Studi di Messina
Italy	Università di Siena

Lithuania	Kauno kolegija Higher Education Institution
Lithuania	Klaipėdos universitetas
Latvia	Rīgas tehniskā universitāte
Hungary	Debreceni Egyetem
Netherlands	Hanzehogeschool Groningen
Norway	Norges teknisk-naturvitenskapelige universitet
Poland	Akademia Górniczo-Hutnicza w Krakowie
Poland	Uniwersytet Rolniczy im. Hugona Kołłątaja w Krakowie
Poland	Uniwersytet Łódzki
Poland	Uniwersytet Marii Curie-Skłodowskiej
Poland	Uniwersytet Mikołaja Kopernika w Toruniu
Poland	Wojskowa Akademia Techniczna
Portugal	Universidade de Aveiro
Portugal	Universidade do Minho
Portugal	Universidade de Coimbra
Portugal	Universidade da Madeira
Portugal	Instituto Politécnico de Viseu
Romania	Academia Tehnică Militară din București
Romania	Universitatea din Craiova
Greece	Agricultural University of Athens (2 agreements)
Greece	Panepistimio dytikis Attikis (2 agreements)
Greece	University of Piraeus
North Macedonia	S.S. Cyril and Methodius University in Skopje
Slovakia	Slovenská technická univerzita v Bratislave (2 agreements)
Slovakia	Technická univerzita v Košiciach (2 agreements)
Slovakia	Univerzita Konštantína Filozofa v Nitre
Slovenia	Univerza v Ljubljani (2 agreements)
Germany	Friedrich-Schiller-Universität Jena (2 agreements)
Germany	Eberhard Karls Universität Tübingen
Srbia	Univerzitet u Novom Sadu
Spain	Universidad de Burgos
Spain	Universitat Jaume I
Spain	Universidad de Huelva
Spain	Universidad de Jaén
Spain	Universidad de Málaga
Spain	Universitat de les Illes Balears
Spain	Universidad de Sevilla
Spain	Universidad de La Laguna
Spain	Universidad Politécnica de Valencia
Spain	Universidad de Valladolid
Sweden	Umeå University (2 agreements)
Switzerland	FHNW University of Applied Sciences and Arts Northwestern Switzerland
Switzerland	University of Fribourg
Turkey	Ankara Üniversitesi
Turkey	Bursa Teknik Üniversitesi
Turkey	Canakkale Onsekiz Mart Üniversitesi
Turkey	Marmara Üniversitesi

Other forms of contractual cooperation based on memoranda and agreements in the field of scientific research are developed by the faculty with the following partners.

Memoranda and agreements with foreign partners in the field of scientific research			
Foreign university/institution	City	Country	Year of conclusion of agreement
Karl-Franzens Universität	Graz	Rakousko	1993
Kemijski inštitut Ljubljana	Lublaň	Slovinsko	1994
University of Ljubljana	Lublaň	Slovinsko	1998
Technická univerzita Košice	Košice	Slovensko	2000
South Valley University	Qena, Aswan	Egypt	2001
Eberhard-Karls-Universität Tübingen	Tübingen	Německo	2004
Matsumoto University	Matsumoto	Japonsko	2006
Kumamoto University	Kumamoto	Japonsko	2015
Austin Peay State University	Clarksville	USA	2019
Tennessee Tech University	Cookeville	USA	2019
Trenčianska univerzita Alexandra Dubčeka v Trenčíne	Trenčín	Slovensko	2021
Université de Rennes I	Rennes	Francie	2022
National Institute for Material Science	Tsukuba	Japonsko	2024

Other than agreements concluded by the faculty, agreements also exist on the level of the university, e.g. with the Friedrich Schiller University in Jena, Germany, the Kyoto Prefectural University of Medicine in Kyoto, Japan, the Military University of Technology in Warsaw, Poland, the Nanyang Technological University in Singapore, Singapore, the Toyota Technological Institute in Nagoja, Japan, the University of Rennes I in Rennes, France, the Vietnam Academy of Science and Technology in Hanoi, Vietnam and the VNU University of Sciences in Hanoi, Vietnam, on the basis of which a mutually beneficial cooperation with a number of FChT departments takes place.

5 RESEARCH AND OTHER CREATIVE ACTIVITIES

5.1 Development of research and other creative activities

Research and other creative activities of the faculty are focused primarily on high-quality basic and applied research and are carried out in accordance with the Strategic Plan of the Faculty of Chemical Technology at the University of Pardubice for the period from 2021, revised on 30 November 2023, and its specification in the form of Implementation of the Strategic Plan of the Faculty of Chemical Technology at the University of Pardubice for the given year.

Research, experimental development and innovation are based on chemical sciences and fields of study which are specific to the faculty, have been developed over the long term, and in which the faculty has already achieved demonstrable results in the past and therefore has a recognised reputation in a national and international context. FChT carries out research, experimental development and innovations mainly in the scientific field of 1 Natural Sciences (FORD 1.4 Chemical Sciences) and the scientific field of 2 Engineering and Technology (FORD 2.5 Materials Engineering).

The basic scientific research units are working groups of departments/institutes which are actively involved in projects funded mainly by the Grant Agency of the Czech Republic, the Technology Agency of the Czech Republic and ministerial providers of support. An important contribution towards development of the faculty's scientific research activities is also constituted by funds obtained in connection with cooperation with industry and international cooperation. This is also related to the high level of publication and creative activities oriented towards articles in professional periodicals with impact factors, monographs and patents, etc. In financial terms, the volume of creative activities with a focus on science, research and innovation in 2025 accounted for a significant part of FChT budget.

FChT has a dominant focus on basic/applied research in the following fields:

- inorganic pigments for ceramics and paints,
- analysis and separation of bio-analytical and food compounds,
- analysis of diagnostically relevant materials for the study of metabolism and oxidative stress in patients with different types of diseases,
- biologically active compounds for applications in human and veterinary medicine,
- detection of microorganisms using cultivation-based and molecular biology methods,
- electrochemistry and interfacial chemistry and methodologies for the preparation and subsequent elemental analysis of samples with a focus on the development and application of separation, analytical, detection and diagnostic techniques, instrumentation and sensors relating to human health, environmental protection and materials analysis,
- energetic materials for use mainly in the automotive, aerospace, mining, construction and defence sectors,
- photonics, optics and optoelectronics,
- environmental processes (e.g. technologies applicable to pre-treatment and treatment of process, waste and municipal water),
- chemical processes with high added value, which relates mainly to research into new and highly selective adsorbents, catalysts (homogeneous and heterogeneous catalysis) and photocatalysts,

- identification/detection of biomarkers in patients with neurodegenerative diseases and cancers, among other things, with the aim of early detection of cancer,
- bulk glasses and amorphous thin films,
- organic dyes for dyeing and printing,
- organic materials for optoelectronics,
- organic pigments for the automotive and construction industries,
- organic coatings and paints,
- organometallic and coordination compounds with subsequent application in catalytically controlled processes, as precursors of advanced materials, or compounds with biological effects,
- advanced low-dimensional nanomaterials using modern synthesis methods, their use in various applications (e.g. batteries, catalysts, water decomposition and solar cells, etc.),
- nanobiomedical technologies,
- semiconductors and materials for thermoelectric applications,
- polymer materials, fibres, composites and organic coatings,
- material printing,
- membrane separation processes,
- safety engineering and risk analysis methods for the requirements of the chemical industry,
- glass-forming materials (amorphous/crystalline form, bulk materials/thin films), advanced viscous and kinetic phenomena and physicochemical processes associated with the use of these materials,
- determination of sensitivity of individual cell types to the effects of genotoxic agents,
- fibres based on novel polysaccharides with biological properties.

5.2 Grants and projects

The development of the volume of funds flowing into FChT over the last five years from research and other creative activities can be seen in the following table. The development of the number of projects and the amount of funding received from the GACR and TACR, which represent a significant group of FChT projects, is then specified.

Funds raised within the framework of research and other creative activities					
Year	2021	2022	2023	2024	2025
Institutional support for the development of the research organisation (CZK thousands)	156,143	170,038	170,038	177,428	183,836
Foreign grants (CZK thousands)	2,243	3,292	12,665	24,895	19,805
Domestic grants (CZK thousands)	135,628	118,814	87,730	154,334	147,457
Student grant competition (CZK thousands)	12,415	11,924	12,966	11,556	11,531
Additional activities (CZK thousands)	6,742	6,231	5,734	4,349	5,021

Number of projects and amount of funding received from GACR and TACR (principal investigators and co-investigators)						
Provider	2021		2022		2023	
	Number of projects implemented	Funds in CZK thousands	Number of projects implemented	Funds in CZK thousands	Number of projects implemented	Funds in CZK thousands
GACR	23	47,755	23	42,922	22	47,170
TACR	17	16,479	11	12,449	10	10,003

Provider	2024		2025	
	Number of projects implemented	Funds in CZK thousands	Number of projects implemented	Funds in CZK thousands
GACR	21	47,616	17	38,563
TACR	12	16,173	16	25,175

An overview of the individual projects implemented in 2025 at FChT is given in the following tables.

International projects

International projects			
Project no.	Project name	Provider/programme	Principal investigator on behalf of FChT UPCE
101058732	Joint Industrial Data Exchange Pipeline (JIDEP)	EU/Horizon Europe	Syrový Tomáš, doc. Ing., Ph.D.
101092723	Innovative Environmental Multisensing for Waterbody Quality Monitoring and Remediation Assessment (IBAIA)	EU/Horizon Europe	Němec Petr, prof. Ing., Ph.D.
101104028	Smart Sensors and Self-healing Functionalities Embedded for Battery Longevity with Manufacturability and Economical Recyclability (SALAMANDER)	EU/Horizon Europe	Syrový Tomáš, doc. Ing., Ph.D.
101095860	Oncolipidomics: Why is Lipidomic Dysregulation Pattern in Blood Similar for Various Cancers? (ONCOLIPID)	EU/Horizon Europe	Holčapek Michal, prof. Ing., Ph.D.
TH80020009	Tellurium-free Thermoelectric Modules for Waste Heat Recovery by Interface Engineering (THERMOS)	TACR/M-ERA.NET 3	Bureš Filip, prof. Ing., Ph.D.
LUABA24058	Bavarian-Czech alliance for photoactive films by solution atomic layer deposition (BaCzALD)	MEYS/INTER-ACTION	Bureš Filip, prof. Ing., Ph.D.
101182588	A Multidisciplinary and Circular Approach towards the Development of Innovative, Safe-by-Design, (Bio)degradable Multifunctional Coatings (SAFERCOAT)	EU	Roušar Tomáš, prof. RNDr., Ph.D.

GACR, TACR and ministerial projects

Department of Biological and Biochemical Sciences

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
GACR projects			
23-065365	Pnpt1 as a regulator of metabolic reprogramming in phagocytes	GACR	Roušar Tomáš, prof. RNDr., Ph.D.
MH projects			
NW24-04-00422	Development of novel activators of mTOR signaling pathway as adjunct therapy in treatment-resistant depression	MH	Roušar Tomáš, prof. RNDr., Ph.D.
MA projects			

QL24010109	Biological protection of barely during malting	Ma	Brožková Iveta, Ing., Ph.D.
OP JAK projects			
CZ.02.01.01/00/23_021/0008439	Biomedical Indicators for Personalized Medicine (BIPOLE)	MEYS	Roušar Tomáš, prof. RNDr., Ph.D.

Department of General and Inorganic Chemistry

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
GACR projects			
25-17434S	Dissymmetric multitopic ligands for metal–metal and metal–ligand cooperativity	GACR	Růžička Aleš, prof. Ing., Ph.D.
25-15635S	Photoinduced effects in glasses transmitting infrared radiation	GACR	Knotek Petr, doc. Ing., Ph.D.
24-114900	Immobilisation of carborane-based ligands on the electrode surface for direct electrochemical redox-catalysis	GACR	Vosáhlo Petr, RNDr., Ph.D.
23-06548S	Superhydrophobic materials based on heteroboroxines	GACR	Jambor Roman, prof. Ing., Ph.D.
TACR projects			
FW06010094	Advanced epoxy composites with boron compounds	TACR	Knotek Petr, Ing., Ph.D.
MIT projects			
CZ.01.01.01/01/22_002/000 0504	Development and production of biodegradable lactyl lactates with conditioning effects	MIT	Olejník Roman, Ing., Ph.D.
MEYS projects			
LL2309	Positively charged heteroboranes	MEYS	Vrána Jan, Ing., Ph.D.
8J24FR020	Multinuclear main group element complexes applicable in sustainable polymer chemistry	MEYS	Chlupatý Tomáš, Ing., Ph.D.
HPP 8	New hydrophobic fluorine-free materials and technologies improving the gliding properties of cross-country and alpine skis and snowboards	COC	Jambor Roman, prof. Ing., Ph.D.

Department of Analytical Chemistry

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
TACR projects			
SQ01010345	Analysis of otter (<i>Lutra lutra</i>) carcasses as a tool for monitoring bioaccumulative pollutants in aquatic ecosystems	TACR	Husáková Lenka, doc. Ing., Ph.D.
MH projects			

NU21-03-00499	Prospective study on early detection of pancreatic cancer and monitoring of treatment progress based on lipidomic profiling by mass spectrometry	MH	Holčápek Michal, prof. Ing., Ph.D.
OP JAK projects			
CZ.02.01.01/00/22_008/0004644	Saving lives through research in early cancer detection and prevention: Molecular, genomic and societal factors (SALVAGE)	MEYS	Holčápek Michal, prof. Ing., Ph.D.

Department of Graphic Arts and Photophysics

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
TACR projects			
TK04030083	EllyteMat – Advanced materials for lithium and post-lithium battery electrolytes	TACR	Syrový Tomáš, doc. Ing., Ph.D.
TN02000067	New directions in electronics for industry 4.0 and medicine 4.0	TACR	Syrový Tomáš, doc. Ing., Ph.D.
FW06010298	Additive technology for the production of capacitive sensors for large-sized touch panels	TACR	Syrový Tomáš, doc. Ing., Ph.D.
TN02000051	National centre of competence in polymer materials and technologies for the 21 st century	TACR	Syrový Tomáš, doc. Ing., Ph.D.
MITCR projects			
CZ.01.01.01/01/24_063/0006878	Miniaturisation of a sensor system for monitoring wound healing	MITCR	Syrový Tomáš, doc. Ing., Ph.D.
MEYS projects			
8J25FR037	Chalcogenide-based thin films for phase change memory materials	MEYS	Němec Petr, prof. Ing., Ph.D.

Department of Physical Chemistry

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
GACR projects			
25-16024S	Advancing Cu/ZnO/ Al ₂ O ₃ catalysts: from synthesis strategies to catalytic performance	GACR	Bulánek Roman, prof. Ing., Ph.D.
25-16013S	Tailoring mass transport properties of porous materials for enhanced adsorption and catalysis	GACR	Bulánek Roman, prof. Ing., Ph.D.
25-17110S	Phase transformations in ultra-thin chalcogenide films: From <i>in situ</i> calorimetric monitoring to advanced modelling of the confined process kinetics.	GACR	Svoboda Roman, Ing., Ph.D.

24-10480S	Physical properties and thermal behavior of solution-processed and thermally evaporated chalcogenide thin films: Low-cost materials for IR optics	GACR	Barták Jaroslav, Ing., Ph.D.
24-10766S	Synthesis and characterization of zeolite-encapsulated metal nanoparticles for catalytic applications	GACR	Bulánek Roman, prof. Ing., Ph.D.

Department of Environmental and Chemical Engineering

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
GACR projects			
TS01030097	Integration of microalgae cultivation within the complex utilization of output streams from biogas stations in order to optimize and economize their operation in accordance with the goal of reducing CO ₂ emissions and circular economy goals.	TACR	Palarčík Jiří, Ing., Ph.D.
SS07020305	Use of microalgae to reduce the amount of antibiotics, resistant bacteria and resistance genes in digestate from agricultural biogas plants	TACR	Palarčík Jiří, Ing., Ph.D.
FW10010224	Research and development of innovative technology for tungsten waste treatment and reuse	TACR	Palarčík Jiří, Ing., Ph.D.
TQ15000264	Production technology research and development for the innovative microbial long-life preparation production for bioremediation of petroleum hydrocarbons with sustainable cultivation-free application.	TACR	Kašpar Michal, Ing., Ph.D.
TQ15000057	Development of a new technology of recyclable dyeing baths in dyeing process of cellulosic materials	TACR	Trudičová Monika, Ing., Ph.D.
TS02030199	Thermal energy accumulation by hydrolysis treatment of the heavy fraction of waste plastics containing PVC by dehydrochlorination for its material and energy recovery	TACR	Weidlich Tomáš, prof. Ing., Ph.D.
TS02030028	Utilization of CO ₂ and heat from flue gases produced by cogeneration engine from biogas plant and its effect on CO ₂ removal	TACR	Weidlich Tomáš, prof. Ing., Ph.D.

Department of Organic Chemistry and Technology

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
GACR projects			
24-10479S	Near-infrared emitting molecular crystals for next generation imaging (Crystal-NIR)	GACR	Imramovský Aleš, prof. Ing., Ph.D.

TACR projects			
TH80020009	THERMOS – Telluride-free thermoelectric waste heat recovery modules prepared by interfacial modifications	TACR	Bureš Filip, prof. Ing., Ph.D.
MEYS projects			
LUABA24058	Bavarian-Czech alliance for photoactive films by solution atomic layer deposition (BaCzALD)	MEYS/INTER-ACTION	Bureš Filip, prof. Ing., Ph.D.

Institute of Energetic Materials

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
TACR projects			
TQ03000851	Ecofriendly replacement of SC-1 pyrotechnic mixture for rocket engine initiation	TACR	Vodochodský Ondřej, Ing., Ph.D.
MI projects			
VK01010097	Police forcible measures with reduced smoke emission	MI	Pelikán Vojtěch, Ing., Ph.D.

Department of Inorganic technology

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
MI projects			
VJ01010004	The Development of a Strategic Cluster for Effective Instrumental Technological Methods of Forensic Authentication of Modern Artworks	MI	Šulcová Petra, prof. Ing., Ph.D.

Department of Economy and Management of Chemical and Food Industry

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
TACR projects			
TQ01000074	Digitalization of project management teaching using the concepts of serious games, virtual and augmented reality considering the current needs of business	TACR	Košťálová Jana, doc. Ing., Ph.D.

Centre of Materials and Nanotechnologies

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE

25-17490S			
25-17490S	Transverse transport effects in collinear and canted antiferromagnetic hexagonal alloys	GACR	Drašar Čestmír, prof. Ing., Dr.
23-08019X	Single-Atom-based 2D-Photocatalysts	GACR	Macák Jan, Dr.-Ing.
23-06793S	Synthesis of large area TiO ₂ nanotube layers for effective photocatalytic degradation of pollutants in gas phase and viruses	GACR	Sepulveda Sepulveda Lina Marcela, Ph.D.
23-07071S	Two-dimensional transition metal-based phosphides by atomic layer deposition	GACR	Zazpe Raul, Dr.
23-07574S	Optical properties of amorphous, thermally and laser-crystallized chalcogenide-based materials and their optimization for phase-change nanophotonics	GACR	Krbal Miloš, Ing., Ph.D.
23-06562S	Optimization of proton conductivity in Zr-based metal-organic frameworks by peripheral substitution of porphyrin ligands	GACR	Melánová Klára, Ing., Dr.
MEYS projects			
LM2023037	Centre of Materials and Nanotechnologies - CEMNAT	MEYS	Wágner Tomáš, prof. Ing., DrSc.
CZ.02.01.01/00/22_010/0013415	MSCA Fellowships CZ at the University of Pardubice 2025	MEYS	Wágner Tomáš, prof. Ing., DrSc.
8X25043	Synthesis, laser modification and surface phenomena of chalcogenide, oxyselenide and oxide glasses and thin films	MEYS	Kutálek Petr, Ing., Ph.D.

Faculty projects

GACR, TACR and ministerial projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
OP JAK projects			
CZ.02.01.01/00/23_021/0008593	INMA: Innovative materials for the applications with high added value	MEYS	Veselý David, doc. Ing., Ph.D.

SGC projects

Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
SGS FChT 2025			
SGC_2025_001	Development of modern methods for the analysis of inorganic and organic compounds in samples of natural and synthetic origin.	UPCE	Bajerová Petra, prof. Ing., Ph.D.
SGC_2025_002	Research of modern methods and processes of environmental and	UPCE	Mikulášek Petr, prof. Ing., CSc.

	chemical engineering and sustainable process manufacturing.		
SGC_2025_003	Organic compounds and materials with application potential in catalysis, the life sciences, and energy storage and conversion.	UPCE	Hanusek Jiří, prof. Ing., Ph.D.
SGC_2025_004	Development and application of analytical, molecular biology, microbiological and cytological methods for laboratory diagnostics.	UPCE	Kandár Roman, prof. Mgr., Ph.D.
SGC_2025_005	Development of new polymer and inorganic materials for high-tech applications.	UPCE	Novák Miroslav, Ing., Ph.D.
SGC_2025_006	Research into materials with an emphasis on fundamental studies and applicability in chemical and pharmaceutical technology.	UPCE	Košťálová Daniela, doc. Ing., Ph.D.
SGC_2025_007	Study of new inorganic compounds and materials with broadly applicable properties.	UPCE	Vinklárek Jaromír, prof. Ing., Dr.

Involvement of FChT in Rectorate Projects

University-wide Projects			
Project number	Project name	Provider	Principal investigator on behalf of FChT UPCE
OP JAK projects			
CZ.02.02.XX/23_022/0008465	Comprehensive support for study and educational activities at UPCE - KOMPAS	MEYS	Bělina Petr, Ing., Ph.D.
NRP projects			
NPO_UPCE_MSMT-2142/2024-4	Green Deal UPCE	NRP	Mošner Petr, prof. Ing., Dr.

5.3 Awards in the field of research and other creative activities

Awards that were received by FChT employees and students in 2025 for achievements in research and other creative activities are listed in the following table.

Awarded Person	Award	Awarding Body
prof. Ing. Čestmír Drašar, Dr.	Memorial Medal of the Dean of FChT UPCE	Award for a prestigious publication, Scientific Board of FChT, Pardubice, 3 December 2025
MSc. Nkechi Ezeogu	Presentation Award	European Membrane Society, as part of the 15th International Conference on Membrane and Separation Processes & 10th Membrane Conference of Visegrad Countries – MEMSEP & PERMEA 2025, Chorzów, Poland, 24–26 June 2025
MSc. Nkechi Ezeogu	Most Interesting Poster in Terms of Content	Scientific Committee of the conference Membrane Processes for Sustainable

		Development – MEMPUR 2025, Pardubice, 9–10 September 2025
Ing. Adam Hochmal	Best Poster – 3rd Place	14th French-Czech Chemistry Meeting Barrande-Vltava 2025, Pardubice, 31 August–2 September 2025
prof. Ing. Michal Holčápek, Ph.D.	Innovator of the Year 2025	Hospodářské noviny, Prague, 9 April 2025
prof. Ing. Michal Holčápek, Ph.D.	Vladimír Hanuš Award	Jan Marek Marci Spectroscopic Society, Špindlerův Mlýn, 8 September 2025
Ing. Tomáš Hostinský, Ph.D.	Josef Hlávka Award	Josef, Marie and Zdeňka Hlávka Foundation, Lužany, 16 November 2025
Ing. Lenka Janíková, Ph.D.	Consultant Award – for professional supervision of the Student Research and Professional Activity (SOČ) project by Michal Ševčík	Jaroslav Heyrovský Endowment Fund, J. Heyrovský Institute of Physical Chemistry, Prague, 10 December 2025
Ing. Michal Kašpar, Ph.D.	Best Presentation	29th International Symposium on Separation Sciences, Serbian Chemical Society, Belgrade, Serbia, 26 September 2025
Mgr. Jana Kašparová, Ph.D.	Memorial Medal of the Dean of FChT UPCE	Award for a prestigious publication, Scientific Board of FChT, Pardubice, 3 December 2025
Ing. Zuzana Lásko	Jean-Marie Lehn Award	Embassy of France in the Czech Republic, Prague, 26 June 2025
prof. Ing. Petr Mikulášek, CSc.	Honorary Recognition for Lifetime Contribution to the Development and Implementation of Membrane Processes in the Czech Republic	Czech Membrane Platform, Pardubice, 2 December 2025
Ing. Jakub Mikuláščík	Best Poster – 3rd Place	New Trends in Research of Energetic Materials, Pardubice, 2–4 April 2025
Ing. Vlastimil Němec	Best Presentation – 1st Place	5th Conference Advances in Inorganic Chemistry, Liblice, 26–30 May 2025
Ing. Vlastimil Němec	Best Poster – 1st Place	10th European Conference on Boron Chemistry (EUROBORON 10), Łódź, Poland, 6–10 July 2025
Bc. Nina Svítlová	1st Place in Flexographic Printing at the 3rd Sinapse Worldwide Charity Packaging Productivity Contest	The Iarigai & IC Conferences, Pardubice, 2–5 September 2025
Ing. Petr Roudný, Ph.D.	Memorial Medal of the Dean of FChT UPCE	Award for a prestigious publication, Scientific Board of FChT, Pardubice, 3 December 2025
doc. Ing. Tomáš Syrový, Ph.D.	Memorial Medal of the Dean of FChT UPCE	Award for a prestigious publication, Scientific Board of FChT, Pardubice, 3 December 2025
Ing. David Vaculík	Best Poster	12th International Chemical Technology Conference (ICCT), Czech Society of

		Industrial Chemistry, Mikulov, 14–16 April 2025
Mgr. Antonín Vlček	Best Commented Poster	16th International Conference on Bioimplantology and Regenerative Medicine, Brno, 23–25 April 2025

5.4 Publication and other creative activities

Data documenting the publication activities of FChT in journals indexed in the Web of Science database and their concretisation in terms of journals with impact factors over the last five years are presented in the following tables.

Number of publications in journals indexed in the Web of Science					
Year	2021	2022	2023	2024	2025
Number of publications	211	183	189	184	189

Number of publications in journals with impact factors by quartile (FORD – AIS)					
Year	2021	2022	2023	2024	2025
Number of publications $J_{imp} - Q1$	61	49	61	44	62
Number of publications $J_{imp} - Q2$	105	105	101	111	106
Number of publications $J_{imp} - Q3$	31	20	20	16	12
Number of publications $J_{imp} - Q4$	10	6	4	3	2

The number of applied research results generated by FChT over the last five years, including awarded patents, utility models, functional samples, prototypes, validated technologies and certified methodologies, is presented in the following table.

Number of results of applied research					
Year	2021	2022	2023	2024	2025
Number of results	29	21	21	17	36

An overview of selected publication and other creative activities of FChT in 2025 from the point of view of individual departments/institutes is presented in the following table.

Publication and other creative activities in 2025 by individual departments/institutes and groups of results				
Department/Institute	A1	A2	C	D
DAICh	28	1	-	-
DInT	12	1	-	-
DBBS	11	-	-	4
DEMCh	3	-	3	-
DPCh	34	1	4	-
DGICh	45	1	1	5
DGAP	9	-	-	23
IAPM	9	-	1	1
JEnM	12	1	-	1
IEnvChE	15	1	1	2
ICHTMM	16	2	-	5
IOChT	17	-	-	9
CEMNAT	51	-	-	2

Legend:

- A1 Publications in a professional periodical included in the Web of Science database – J_{imp}
A2 Publications in professional periodicals included in the SCOPUS database – J_{sc}
C Monographs, selected chapters, study texts, lecture notes
D Awarded patents, utility models, functional samples, prototypes, proven technologies and certified methodologies

5.5 Editorial activities

Specialized books

1. Franc A., Komersová A., Kubová K., Muselík J., Vraníková B.: Fundamentals of the Development, Practice and Evaluation of Dissolution Profiles in Pharmacy with a Focus on Oral Medicinal Products. 2nd expanded edition, 500 copies, 146 pages, ISBN: 978-80-7560-548-1.
2. Collective of authors: 75 Years of Higher Chemical Education in Pardubice. 1st edition, 1,000 copies, 118 pages, ISBN: 978-80-7560-553-5.
3. Košťálová J., Bednaříková M., Munzarová S., Jelínková M., Paták M., Vávra J.: Diversity Management. 2nd revised edition, 53 copies, 178 pages, ISBN: 978-80-7560-570-2.

Lecture notes and study texts

1. Drabina P.: Bioorganic Chemistry. 2nd revised edition, 100 copies, 242 pages, ISBN: 978-80-7560-193-3.
2. Hanusek J.: Physical Organic Chemistry. 1st edition, 50 copies, 200 pages, ISBN: 978-80-7560-112-4.
3. Šimůnek P.: Fundamentals of NMR Spectroscopy. 1st edition, 60 copies, 198 pages, ISBN: 978-80-7560-576-4.
4. Mikulášek P., Doleček P., Jiráňková H., Šiška B., Bendová H.: Chemical Engineering I. 1st edition, 200 copies, 256 pages, ISBN: 978-80-7560-549-8.
5. Kašparová J., Pavlišta M.: Mathematics 1. 2nd revised edition (1st reprint), 200 copies, 132 pages, ISBN: 978-80-7560-473-6.
6. Handlíř K., Nádvorník M., Vlček M.: Calculations and Exercises in General and Inorganic Chemistry I. 11th edition (reprint), 600 copies, 180 pages, ISBN: 978-80-7560-369-2.
7. Handlíř K., Nádvorník M., Vlček M.: Calculations and Exercises in General and Inorganic Chemistry II. 3rd edition (1st reprint), 200 copies, 90 pages, ISBN: 978-80-7560-170-4.
8. Handlíř K., Nádvorník M., Vinklárek J., Vlček M.: Laboratory Exercises in General and Inorganic Chemistry I. 3rd edition (reprint), 600 copies, 138 pages, ISBN: 978-80-7560-370-8.
9. Pytela O.: Organic Chemistry: Nomenclature and General Principles. Bachelor's Degree Programme, Part 1, 5th edition (reprint), 50 copies, 64 pages, ISBN: 978-80-7560-124-7.

Total of 3,613 copies and 1,942 pages of text.

Collections

1. LVI. Seminar on Surfactants and Detergents, 55 copies, ISBN: 978-80-7560-572-6.
2. Proceedings of the 27th International Seminar New Trends in Research of Energetic Materials, 30 copies (ISBN: 978-80-7560-545-0) + 6 CD-ROMs (ISBN: 978-80-7560-546-7 (PDF)) + 200 USB drives.

3. Proceedings of the 27th Conference on Special Inorganic Pigments and Powder Materials, 36 CD-ROMs, ISBN: 978-80-7560-557-3 (PDF).
4. Book of Abstracts – 14th Barrande-Vltava French-Czech Chemistry Meeting, 76 copies, ISBN: 978-80-7560-565-8.
5. Student Research and Professional Activity 2024/2025 – Book of Abstracts, online, ISBN: 978-80-7560-556-6 (PDF), available at: <https://eshop.upce.cz/epub?fakulta=fcht>.

Total of 181 copies, 42 CD-ROMs, 200 USB drives and 1 online publication.

6 COOPERATION WITH THE SPHERE OF PRACTICAL APPLICATION

6.1 Cooperation in educational and creative activities

Cooperation with the sphere of practical application in educational activities

Cooperation between the faculty and the sphere of practical application, especially with industrial enterprises, is permanently implemented in several forms. This was also the case in 2025.

Cooperation with the sphere of practical application in the field of educational activities was implemented by means of:

- internships for students of all forms of study in industrial enterprises and research institutions,
- excursions of students to manufacturing companies, research institutions and specialist workplaces,
- work experience by students (compulsory work experience set out in the study plan),
- membership of experts from the world of work in the Scientific Council of FChT,
- membership of experts from the world of work in the specialist boards of doctoral study programmes,
- appointment of experts from the world of work to examination boards of state final examinations and appointment to dissertation defence committees,
- entrusting tuition to leading experts from the world of work, especially those parts of courses in which students are familiarised with real technological procedures and processes,
- one-off lectures by experts from the world of work for students at all levels of study.

Student internships in industrial companies were carried out in 2025 mainly in Synthesia, a.s., Pardubice and Výzkumný ústav organických syntéz, a.s., Pardubice. Depending on their field of study, students also had the opportunity to visit other chemical and food-processing companies, as well as hospitals and healthcare facilities throughout the Czech Republic. These placements provide students with an insight into a broader range of research, manufacturing, and service activities. Completing such placements enhances students' employability and increases their opportunities in the labour market upon successful completion of their studies.

Cooperation with the sphere of practical application in creative activities

The activity of joint laboratories continued in 2025:

- Joint Laboratory for Analysis and Evaluation of Polymers SYNPO, a.s., Pardubice and the University of Pardubice, Faculty of Chemical Technology (JLAP),
- Joint Laboratory of Membrane Processes MEGA, a.s., Stráž pod Ralskem and the University of Pardubice, Faculty of Chemical Technology (JLMP),
- Joint Laboratory of NMR Spectroscopy Výzkumný ústav organických syntéz a.s., Pardubice-Rybitví and the University of Pardubice, Faculty of Chemical Technology (JLNMR),
- Joint Laboratory of Applied Medical Science Pardubice Hospital, Pardubice and the University of Pardubice, Faculty of Chemical Technology (JLAM).

In this area it is necessary to emphasise cooperation between the faculty and industrial enterprises, research institutions and hospitals. It is not possible to list all of the partners with which individual faculty departments are involved in various projects, be this in the form of basic or applied research, implemented through joint research teams and complementary activities. There is however no doubt

that this form of cooperation in resolving current problems in industrial and application practice contributes, among other things, towards development of scientific research at the faculty and towards the education of students and therefore attention must be dedicated to it.

Overview of cooperating entities

An overview of the entities with which FChT cooperated in 2025 on TACR projects, projects of ministerial providers of support and contractual research projects is given in the following tables.

Cooperating organisations for TACR projects	
ALS Czech Republic Ltd., Prague	MDT-Medical Data Transfer Ltd., Brno
Asociacion Centro de Investigacion Cooperativa en Nanociencias CIC Nanogune, San Sebastián, Gipuzkoa, Spain	MICRORISC Ltd., Jičín
Argotech Plc., Trutnov	Moravian-Silesian Automotive Cluster, Ostrava
ARIA PURA Ltd., Prague	NANOPROGRESS, Pardubice
ASIO TECH Ltd., Brno	NETWORK GROUP Ltd., Brno
BD SENSORS Ltd., Buchlovice	ORLEN UniCRE Plc., Litvínov
Calliditas Ltd., Podsedice	PHYSTER TECHNOLOGY Plc., Prague
Central Glass Czech Ltd., Prague	Plastics Cluster, Zlín
Centre of Organic Chemistry Ltd., Rybitví	Prokyber Ltd., Kladno
Columbia Press Plc., Kolín	Simple Engineering Ltd., Ústí nad Labem
Continental Automotive Czech Republic Ltd., Jičín	Association of the Chemical Industry of the Czech Republic, Prague
CONTINENTAL Ethanol Energy Plc., Vrdy	Synpo Plc., Pardubice
Czech Technical University in Prague, Prague	Tech Aid Czech Brand Ltd., Blansko
ECOCOAL Ltd., Ostrava, Mariánské Hory	TEGnology A, Søborg, Denmark
ELCERAM Plc., Hradec Králové	TERAMED Ltd., Prague
EPS Biotechnology Ltd., Kunovice	TESLA BLATNÁ Plc., Blatná
Explosia Plc., Pardubice	Jan Evangelista Purkyně University in Ústí nad Labem, Ústí nad Labem
Feromagnet Ltd., Světlá Hora	Palacký University Olomouc, Olomouc
Fortemix Production Ltd., Ostrava	Tomas Bata University in Zlín, Zlín
FORTES Interactive Ltd., Brno	Institute of Macromolecular Chemistry, Czech Academy of Sciences, Prague
Fraunhofer Institute for Manufacturing Technology of Advanced Materials – IFAM, Dresden, Germany	UVB TECHNIK Ltd., Hlučín
HELLA AUTOTECHNIK NOVA Ltd., Mohelnice	VSB – Technical University of Ostrava, Ostrava
INOTEX Ltd., Dvůr Králové nad Labem	University of Chemistry and Technology, Prague
Institute of Microelectronic Applications Ltd., Prague	Brno University of Technology, Brno
IPMA Czech Republic, Prague	XGLU Ltd., České Velenice
University of South Bohemia in České Budějovice, České Budějovice	University of West Bohemia, Pilsen
Katchem Ltd., Kralupy nad Vltavou	Zlín Creative Cluster, Zlín
Leibniz Institute for Solid State and Materials Research, Dresden, Germany	ZODPA Ltd., Prague
MAGICWARE Ltd., Prague	3Dees Industries Ltd., Prague
Masaryk University, Brno	

Cooperating organizations in the implementation of sectoral projects
AUSTIN Plc., Prague
D-TECHNIK Plc., Jablůnka
EPS Biotechnology Ltd., Kunovice
University Hospital Hradec Králové, Hradec Králové
University Hospital Olomouc, Olomouc
University Hospital Motol, Prague
Friedrich-Alexander University Erlangen-Nürnberg, Erlangen, Germany
GENERI BIOTECH Ltd., Hradec Králové
Masaryk University, Brno
Masaryk Oncology Institute, Brno
National Institute of Mental Health, Klecany
University of Ostrava, Ostrava
PARAMO Plc., Pardubice
SYNPO Plc., Pardubice
TOMIL Ltd., Vysoké Mýto
University of Hradec Králové, Hradec Králové
Charles University, Faculty of Medicine in Hradec Králové, Hradec Králové
Charles University, Faculty of Medicine in Pilsen, Pilsen
Palacký University Olomouc, Olomouc
Research Institute of Brewing and Malting Plc., Prague

Cooperating organizations for contractual research projects
Temperator Ltd., Liberec
Centre for Road Transport Services, Pardubice
Pyrotechnic Service Ltd., Stará Bělá
DEMCAK Ltd., Lázně Bohdaneč
CROMTRYCK Ltd., Hrušovany u Brna
PARAMO Plc., Pardubice
Pardubice Region Hospital, Pardubice
TailorMem Ltd., Zájezd

Cooperation was also developed with a number of other entities, e.g. the following.

Other cooperating organisations
American Chemical Society
American Society for Mass Spectrometry
Association of Corrosion Engineers
Association of Printing Entrepreneurs
Association of Textile Chemists and Colorists
Central European Group for Separation Sciences
Central Polytechnic Workshops
Chemical Industry Association
Czech Anthropological Society
Czech Battery Cluster
Czech Chemical Society
Czech Glass Society
Czech Hepatological Society
Czech Immunological Society
Czech Marketing Association
Czech Membrane Platform
Czech Microbiome Society
Czech National Semiconductor Cluster

Czech Physiological Society
Czech Society for Biochemistry and Molecular Biology
Czech Society of Chemical Engineering
Czech Society of Industrial Chemistry
Czech Technology Platform for Biofuels
Czechoslovak Crystal Growth Society
Czechoslovak Society for Microbiology
CZEPAR
Electrochemical Society
Engineering Academy
European Chemical Society
European Federation of Catalysis Societies
European Federation of Chemical Engineering, Working Party on Membranes
European Membrane Society
FATIPEC
Hi-Tech Innovation Cluster
International Adsorption Society
International Association of Research Organizations for the Information, Media and Graphic Arts Industries
International Circle of Educational Institutes for Graphic Media Technologies and Management
International Confederation for Thermal Analysis and Calorimetry
International Humic Substances Society
International Lipidomics Society
International Polymer Colloids Group
International Project Management Association Czech Republic
International Pyrotechnics Society
International Society of Electrochemistry
International Union of Pure and Applied Chemistry (IUPAC), Organic and Biomolecular Chemistry Division
International Zeolite Association
J. E. Purkyně Czech Medical Association, Czech Society for Clinical Biochemistry
Jan Marek Marci Spectroscopic Society
Materials Research Society
NANOPROGRESS
Optical Society of America
Organic and Printed Electronics Association (OE-A)
Printing Society
Regional Innovation Council of the Pardubice Region
SCIENTIFIC EXPANSION – CLUSTER
Society for Blasting Technology and Pyrotechnics
Society for the History of Science and Technology
SYBA Packaging Institute
Union of Czech Mathematicians and Physicists

6.2 Important professional events

A number of interesting and socially beneficial events took place at FChT in 2025. These include the following.

19th Annual RANK Conference

The conference serves as a forum for sharing practical knowledge and experiences primarily from the routine analysis of both human and extrahuman genomes.

Organizer: Department of Biological and Biochemical Sciences

Date: 19–20 March, 2025

27th International Seminar “New Trends in Research of Energetic Materials”

A seminar on new trends in the research of energetic materials, which is a global gathering primarily for young professionals and university teachers working in the fields of education, research, development, processing, analysis, and applications of all types of energetic materials.

Organizer: Institute of Energetic Materials

Date: 2–4 April, 2025

12th International Conference on Chemical Technology ICCT

A conference focused on innovations and interesting developments in chemical and pharmaceutical technologies, considering the principles of the Green Deal and decarbonization. The goal of the conference is to create a space for international cooperation between businesses, universities, and research institutions.

Organizer: Czech Society for Industrial Chemistry, Faculty of Chemical Technology, UPCE

Date: 14–16 April, 2025

45th International Czech and Slovak Calorimetry Seminar

A seminar dedicated to the use of calorimetric methods and thermal analysis methods in various fields, from both research and practical perspectives.

Organizer: Department of General and Inorganic Chemistry, Joint Laboratory of Solid-State Chemistry

Date: 26–29 May, 2025

XI. Pharmacokinetic Seminar

A seminar aimed at students and professionals focused on dissolution and dissolution testing.

Organizer: Department of Physical Chemistry

Date: 18–19 June, 2025

14th French-Czech Chemistry Meeting Barrande-Vltava 2025

The aim of the meeting was to bring together scientists from France and the Czech Republic with similar research interests and provide them with an opportunity to present and discuss their latest results, share their experience with fellow researchers, and establish new collaborations.

Organizer: Department of General and Inorganic Chemistry

Date: 31 August–2 September 2025

51st International Research Conference of IARIGAI and the 56th Conference of the IC

The main topic of the international conference was the impact of artificial intelligence and robotics on the graphic arts industry. The event was held in conjunction with the 56th Conference of the IC, which focused on innovation in education and technology.

Organizer: Department of Graphic Arts and Photophysics

Date: 2–5 September 2025

MEMPUR 2025 - Membrane Processes for Sustainable Development

The aim of the conference was to provide an overview of membrane processes, ranging from fundamental and applied research to the implementation of membrane applications in almost all areas of human activity and industrial sectors.

Organizer: Department of Environmental and Chemical Engineering, Czech Membrane Platform

Date: 9–10 September 2025

27th CSIP-PM: Conference on Special Inorganic Pigments and Powder Materials

The conference focuses on the exchange of new knowledge in the field of powder materials and inorganic pigments, their applications, physicochemical properties, and methods of evaluation or ecological aspects of production.

Organizer: Department of Inorganic Technology

Date: 18 September, 2025

56th Seminar on Surfactants and Detergents

A seminar for those interested in research in the production, analysis, and application of surfactants.

Organizer: Department of Analytical Chemistry

Date: 5–7 November, 2025

19th Karel Vytřas Seminar on Sensing in Electroanalysis

A meeting of international project leaders dedicated to presenting research results in the field of electroanalysis and discussing prospects for further cooperation.

Organizer: Department of Analytical Chemistry

Date: 10–14 November, 2025

XVIII. Conference on Pigments and Binders

The conference on pigments and binders is a professional international event. It deals with the production of coatings, surface treatments, and their further applications. It is a meeting place for representatives of manufacturing companies, research and development organizations, universities, and commercial firms.

Organizer: Institute of Chemistry and Technology of Macromolecular Substances,
Department of Coatings and Organic Coatings, CHEMAGAZÍN

Date: 13–14 November, 2025



WULFENIT
Dal Old Yuma, Arizona, USA



FERROSIT
Kashgar, China



STILBIT
Tolquén, Chile



HALIT
Kutub, India



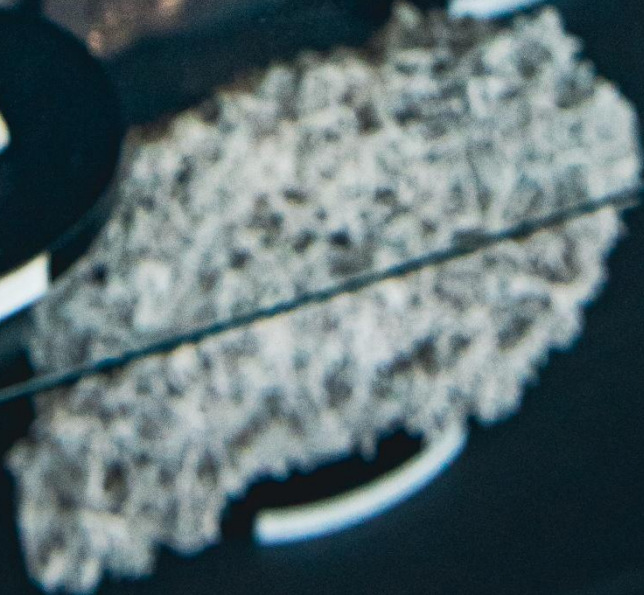
OPAL
Australia



PYRIT
Spain



PYRIT
Spain



QUARTZ
Brazil

7 SPATIAL CAPACITY AND INFORMATION AND COMMUNICATION TECHNOLOGIES

7.1 Spatial capacity and sites

The Faculty of Chemical Technology is located in Pardubice – at Stavařov, Studentská 573. This site is home to the dean's office and the HA, HB and HC buildings house lecture halls, classrooms, laboratories and offices for staff and students of doctoral degree programmes. Other faculty sites are located at Stavařov, Studentská 84 (building EA), in the Technology Pavilion in Doubravice, Doubravice 41 and in the town centre at Čs. legion 565.

The faculty has three large-capacity lecture halls on the na Stavařově campus. These are lecture hall C1 with capacity to accommodate 234 people, lecture hall C2 with capacity to accommodate 99 people and lecture hall C3 with capacity to accommodate 55 people.

An important part of the faculty's spatial capacities is constituted by laboratories, which comprise 52 rooms with capacity to accommodate 920 people. The faculty also has 27 classrooms with capacity to accommodate 787 people and 7 computer rooms with capacity to accommodate 153 people.

7.2 Information and communication technologies

The information and communication systems of the Faculty of Chemical Technology are part of the complex system of information and communication technologies of the University of Pardubice. They are used both for teaching and scientific research activities, but also within the framework of the operational and management activities of the faculty.

The faculty's information infrastructure consists of computer rooms including the relevant technical equipment, personal computers and other computer and office equipment used by faculty staff and students of doctoral study programmes, audio-visual and presentation equipment, including interactive whiteboards, and software.

The Faculty of Chemical Technology uses information systems operated by the Centre of Information Technologies and Services (CITS) of the University of Pardubice, as well as funding access to a range of commercial products from major technology companies. The key systems operated by CITS and used by students and faculty staff include the following systems:

- STAG – a study programme management system,
- iFIS – an economic information system, which includes modules such as economic management, a filing system, a public procurement management system and a register of contracts,
- VERSO – an information system with modules: management information system, IPOS internal enquiry and ordering system, orders, liquidation lists, contract register, grants and projects, travel orders and room reservations,
- OBD – an information system including a module for recording publication activity and an internal grant competition module.

All students and employees of the university also have the opportunity to use Microsoft Office 365 cloud services within the framework of the Microsoft Campus Agreement. They have a complete suite of Office applications at their disposal including Word, Excel, PowerPoint, OneNote, Outlook, Teams,

Access and Publisher. An internet connection and services of the national e-infrastructure for science, research and education CESNET are provided. Students and employees can also use the Eduroam wireless data network which is available throughout the campus.

In the current period, the Faculty of Chemical Technology also has more than 250 software licenses which entitle it to use software in various areas of its teaching and scientific research activities.

8 QUALITY ASSURANCE AND EVALUATION OF IMPLEMENTED ACTIVITIES

8.1 Internal system of control and evaluation

Control and evaluation of activities is performed on a regular basis at FChT, both on the level of the faculty and also on the level of individual departments. This includes areas of educational and research activities as well as the third role of the faculty. The faculty's own operational activities are also subject to internal control and evaluation. Internal control and evaluation activities were also performed in 2025, mainly in the following areas.

Control and evaluation of academic staff

All academic staff at the faculty were subjected to an annual evaluation from the point of view of the following criteria:

Teaching activities:

- teaching: lectures - exercises - seminars – laboratory work,
- supervision of diploma and bachelor theses, supervision of doctoral students,
- developed teaching aids, curricula, laboratory tasks, laboratory building,
- teaching positions at other universities (faculties),

Research activities:

- publications published in the past year,
- participation in conferences,
- grants, technology projects, complementary activities,
- foreign stays and trips,
- positions and membership in scientific and professional boards and committees,

Other activities:

- organisational activity,
- enhancing qualifications,
- promotion, popularisation of science and research, education and cooperation with the world of work,
- other activity worthy of consideration.

Control and evaluation of the quality of educational activities

Pedagogical issues are regularly discussed by the Board of Study Programme of FChT and this was also the case in 2025. Evaluation of teaching was also performed by students via the IS STP, which was organised on a university-wide platform.

Control and evaluation of excellence

Evaluation was also performed in 2025 of excellent scientific teams in basic and applied research, in particular with regard to:

- implementation of research projects,
- publishing activity,

- recognition by the international community,
- management of the research team,
- resolution of specialist problems in applied research,
- commercialisation of the results of applied research.

In all cases, emphasis was placed on the quality of activities, e.g. taking into account the results of evaluation of research organisations.

8.2 External control

The most important element of external control of the University of Pardubice and its Faculty of Chemical Technology is undoubtedly evaluation performed by the National Accreditation Bureau for Higher Education within the framework of application for institutional accreditation of the University of Pardubice, which took place in 2018. The Faculty of Chemical Technology actively participated in preparation of institutional accreditation for the fields of education Chemistry, Economics and Health Studies. On 7 September 2018, the decision granting the University of Pardubice institutional accreditation for 10 years came into force for:

- the field of education Transport and within the framework of this, bachelor's, master's and doctoral degree programmes,
- the field of education Economics and within the framework of this, bachelor's, master's and doctoral degree programmes,
- the field of education Historical Sciences and within the framework of this, bachelor's, master's and doctoral degree programmes,
- the field of education Chemistry and within the framework of this, bachelor's, master's and doctoral degree programmes,
- the field of education Information Technology and within the framework of this, bachelor's, master's and doctoral degree programmes,
- the field of education Health Studies and within the framework of this, bachelor's and master's degree programmes.

Institutional accreditation within the framework of the above-mentioned fields of education enables the University of Pardubice, via the Internal Evaluation Board (IAB) of the University of Pardubice, to implement internal processes leading to the acquisition, extension or renewal of accreditation. The Faculty of Chemical Technology was represented in the IAB in 2024 by prof. Ing. Petra Šulcová, Ph.D. The IAB has three expert committees: the Technical and Science Committee, the Economic and Health Studies Committee and the Humanities and Arts Committee. FChT was represented in 2025 in the Technical and Science Committee by its Chair (prof. Ing. Petra Šulcová, Ph.D.) and its members (doc. Ing. Pavel Čičmanec, Ph.D., prof. Ing. Miloš Sedlák, DrSc.). Prof. Ing. Liběna Tetřevová, Ph.D. and Ing. Jan Vávra, Ph.D. represented FChT in the IAB Economic Committee in 2025. The representative of the faculty in the Health, Humanities, and Arts Committee of the Internal Evaluation Board in 2024 was Associate Professor RNDr. Tomáš Roušar, Ph.D.

In addition to this, the professional guarantee of the course and quality of studies in doctoral study programmes is monitored and evaluated by specialist boards which are established for each doctoral study programme separately.

With regard to the external evaluation of scientific and research results, the Evaluation of Research Organizations and the assessment of purpose-tied Research, Development, and Innovation Support Programmes according to the M17+ Methodology is fully applied. The methodology used by the

Research, Development, and Innovation Council for evaluations is available at: <http://www.vyzkum.cz>,
and the evaluation results can be found at: <https://hodnoceni.rvvi.cz>

ABBREVIATIONS USED

ACA	Academics
AIS	Article Influence Score
Bc.	Bachelor's degree programme, title
BUT	Brno University of Technology
CAS	Czech Academy of Sciences
CCFE	Classification of core fields of education
CEEPUS	Central European Exchange Programme for University Studies
CEMNAT	Centre of Materials and Nanotechnologies
CESNET	Czech Educational and Scientific NETwork
CITS	Centre for information technologies and services
COC	Czech Olympic Committee
CR	Czech Republic
CU	Charles University in Prague
DAICh	Department of Analytical Chemistry
DBBS	Department of Biological and Biochemical Sciences
DEMCh	Department of Economics and Management of Chemical and Food Industry
DGAP	Department of Graphic Arts and Photophysics
DGICh	Department of General and Inorganic Chemistry
DInT	Department of Inorganic Technology
DPCh	Department of Physical Chemistry
ECTS	European Credit Transfer System
EEA	European Economic Area
ERC	European Research Council
EU	European Union
f	Foreigner – foreign student
FChT	Faculty of Chemical Technology
FORD	Fields of Research and Development
GACR	Czech Science Foundation
IEB	Internal Evaluation Board
IAPM	Institute of Applied Physics and Mathematics
ICHtMM	Institute of Chemistry and Technology of Macromolecular Materials
IEnM	Institute of Energetic Materials
IEnvChE	Institute of Environmental and Chemical Engineering
iFIS	Economic information system
INP	Individual national project
IOChT	Institute of Organic Chemistry and Technology
IS STP	Information system for management of study programmes
JEPÚ	J. E. Purkyně University in Ústí nad Labem
JLAM	Joint Laboratory of Applied Medical Science

JLAP	Joint Laboratory of Analysis and Evaluation of Polymers
JLMP	Joint Laboratory of Membrane Processes
JLSSCh	Joint Laboratory of Solid State Chemistry
MA	Ministry of Agriculture
MF	Ministry of Finance
MIT	Ministry of Industry and Trade
MEYS	Ministry of Education, Youth and Sports
MI	Ministry of the Interior
MH	Ministry of Health
Mgr.	Master's degree programme
OBD	Information system including a module for recording publication activity and an internal grant competition module
OP JAK	Operational Programme Jan Amos Komenský
OP RDE	Operation Programme Research, Development and Education
PCR	Police of the Czech Republic
Ph.D.	Doctoral degree programme, title
p.r.i.	Public research institution
R&D&I	Research, experimental development and innovation
RES	Researchers
SGC	Student grant competition
SP	Study programme
SRD	Scientific, research and development (staff)
SRPA	Student Research and Professional Activities
STP	see IS STP
TACR	Technology Agency of the Czech Republic
TBU	Tomáš Baťa University in Zlín
TUO	Technical University of Ostrava
U3A	University of the Third Age
UCHT	University of Chemistry and Technology in Prague
UPCE	University of Pardubice
USSChP	Upper Secondary School of Chemistry Pardubice
VERSO	Information system
VS	Higher Education Institution
WoS	Web of Science



The Annual Activity Report of the Faculty of Chemical Technology at the University of Pardubice was approved by the Academic Senate of the Faculty of Chemical Technology on 12 May 2026.

