



FAKULTA
CHEMICKÁ



Member of the Medicine-Pharmaceutical Cluster NANOMEDIC

**Vysoké učení technické v Brně,
Fakulta chemická**

Purkyňova 118, 612 00 Brno, Czech Republic

tel.: +420 541 149 111

fax: +420 541 211 697

e-mail: dekan@fch.vutbr.cz

www.fch.vutbr.cz

Company Registration No. 00216305

Tax Identification No. CZ00216305

Registered number of employees:	130
Revenues (millions of CZK):	-
Registered capital of the company (millions of CZK):	-
The proportion of exports in total revenues (in %):	-

The Dean

of the Faculty:

doc. Ing. Jaromír Havlica, CSc.

e-mail:

dekan@fch.vutbr.cz

Vice-Dean for

International Relations: doc. Ing. Martin Weiter, Ph.D.

tel.:

+420 541 149 484

fax:

+420 541 211 697

e-mail:

weiter@fch.vutbr.cz

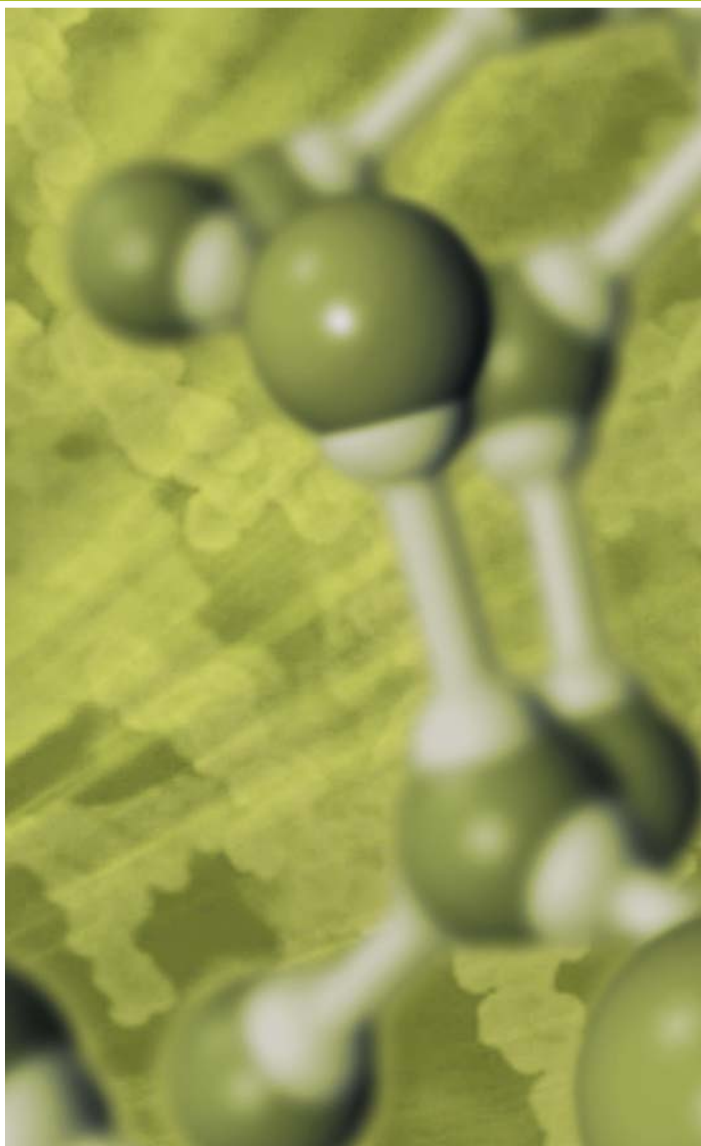
**Regular participation in
tradesairs and exhibitions:**

Gaudeamus

Since 1992 **the Faculty of Chemistry at Brno** University of Technology has taken up the long tradition of university chemical education in Brno initiated by the foundation of the Department of Chemistry at the Czech Technical University in November 1911 and interrupted in 1951 by the transformation of Brno University of Technology into the Military Technical Academy.

The Faculty of Chemistry at Brno Technical University has accredited Bachelor's, Master's and doctoral study programmes in the field of chemistry and food industry to educate graduates for their future work in research, production, application and business management of the products from chemical, pharmaceutical, food, consumer, and construction industries and also in the public and administrative sphere.

Its role within the cluster is to study the physicochemical properties of biopolymers, particularly the rheological properties and interactions of biopolymers. The Institute will also ensure the determination of the stability of biologically active substance in carrier (delivery) systems and the kinetics of their release, for all members of the cluster.



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The Bachelor's study programmes provide the theoretical and experimental basics of mathematical, physical, chemical, and biological disciplines, and teach the students to be able to apply their knowledge in the control and management of selected traditional chemical technologies and biotechnologies, and at work in chemical, chemical technological and biochemical laboratories.

Master's study programmes as a continuation of Bachelor's study programmes are aimed at gaining thorough knowledge about individual chemical technologies and the theory of processes and facilities for chemical industrial processes, as well as skills in theoretical and experimental biochemistry, microbiology, and the engineering of individual types of production.

Doctoral study programmes are designed for university students and aim at educating future scientists and specialists, focussing particularly on research into specific areas of materials science, chemical and food technology and related basic scientific disciplines; they are directly linked with Master's study programmes run at the Faculty of Chemistry, Brno University of Technology.

Research and scientific activity is – in addition to teaching activities – an integral part of the programme of the Faculty of Chemistry. Particular activities in this field proceed according to the scopes of individual institutes of the Faculty. The Institute of Physical and Applied Chemistry studies the physical chemistry of colloid and macromolecular systems, nanotechnologies, molecular electronics, photochemistry, plasma chemistry and physics. Research conducted at the Institute of Materials Chemistry is aimed at the properties of silicate, polymer, metal and composite materials, with the direct application of knowledge in production and processing technology. The major research topic of the Institute of Chemistry and Technology of Environmental Protection is the chemical technology of water protection and treatment, soil and air protection. The Institute also addresses the specific problems of industrial toxicology and exotoxicology as well as the problems of waste disposal and recycling. The Institute of Food Science and Biotechnology deals with specific problems from the field of biology, theoretical and experimental biochemistry, microbiology, bioengineering and food production technology.

The Faculty has very good laboratory instrumental and computer facilities for use in research projects.

Scientific research activities also include grant activity to obtain funds allowing us to purchase quality instruments and computers in order to improve the effectiveness of research work. The majority of the Faculty's activities in the area of scientific research are associated with the Research Plan entitled "Multifunctional homogeneous and heterogeneous materials derived from synthetic polymers and biopolymers".

