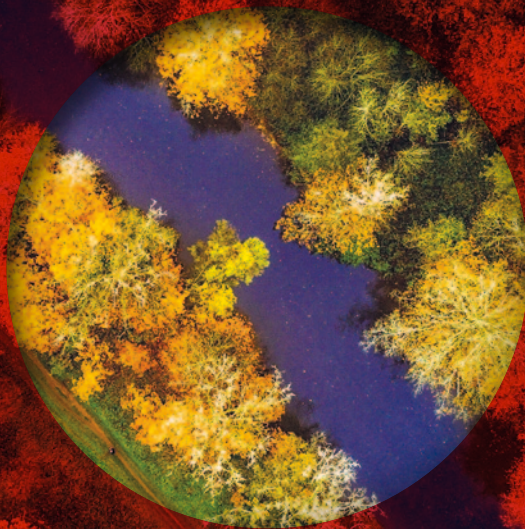




FACULTY OF SCIENCE
Charles University

www.natur.cuni.cz/eng



Modern faculty with a long tradition
of excellence in the heart of Europe

Modern faculty with a long tradition
of excellence in the heart of Europe

www.natur.cuni.cz/eng



Faculty of Science, Charles University in Prague

The Faculty of Science is part of Charles University in Prague, the oldest university in Central Europe. Charles University was founded by Charles IV in 1348 and initially consisted of four faculties – the Faculty of Liberal Arts, Faculty of Theology, Faculty of Medicine and Faculty of Arts. The Faculty of Science, one of the largest, was established as the fifth faculty of the University on 24 June 1920.

The Faculty of Science of Charles University consists of four specialised sections – Biology, Chemistry, Geography and Geology – and one interdisciplinary institution – the Institute for Environmental Studies. The individual sections incorporate departments and research centres committed to research and education in their respective scientific fields. The Faculty also has three museums – the palaeontological Chlupáč Museum of Earth History, the Mineralogical Museum and the Hrdlička Museum of Anthropology.

The Faculty also has a unique collection of historical maps and a renowned botanical garden with a geological park. All these facilities are open to both experts and the general public. Graduates of the Faculty of Science are well

prepared to conduct independent scientific work and receive a superb background for a successful international career. Thus, graduates from the Faculty make up a large part of the personnel at a number of research institutes of the Academy of Sciences, have become top-ranking scientists at Czech regional universities and many of them pursue successful careers in companies and foreign organisations

Contacts

**Faculty of Science,
Charles University**

Albertov 6, 128 43 Prague 2

Dean

Prof. RNDr. Jiří Zima, CSc.
dekan@natur.cuni.cz



Prof. RNDr. Jiří Zima, CSc.
Dean of the Faculty

The establishment of the Faculty of Science in 1920 was dictated by rapid advances in the natural sciences, which had long been taught at the Faculty of Arts. The pace of development in the natural sciences has not slowed since and our faculty continues to play a key role in maintaining this pace in the Czech Republic. After the disciplines of mathematics and physics broke off to form the separate Faculty of Mathematics and Physics in 1952, the Faculty of Science provided scientific and educational resources for practically all the remaining natural sciences. It is currently divided into four sections: biology, chemistry, geography and

geology, while the Institute for Environmental Studies is a faculty-wide interdisciplinary department. All departments are among the leaders in their respective scientific fields in the Czech Republic and are firmly ensconced in the European and global scientific infrastructure. This fact is evident from the relative success of our faculty in obtaining prestigious ERC grants. At present, teams of biologists at the faculty are working under Assoc. Prof. Vladimír Hampl on the "Life without Mitochondria" project and under Dr. Matyáš Fendrych on a project titled "Unravelling the Molecular Network that Drives Cell Growth in Plants".

Modern science increasingly combines previously separate scientific disciplines. The development plans being successfully implemented at our faculty are responding to this trend. The most significant venture our institution is currently undertaking is the Vestec Biotechnological and Biomedical Centre (BIOCEV), a modern scientific centre focusing on interdisciplinary research located in Vestec u Prahy. Our faculty is participating in the project alongside the 1st Faculty of Medicine of Charles University and six institutes of the Czech Academy of Sciences. From the moment

it opened in 2015, the BIOCEV Centre has been a major centre of progressive research in the Czech Republic. Another important development plan awaiting our faculty and the university in the near future is the expansion of the Albertov University Campus, which will add two new buildings with comprehensive scientific and presentation facilities. The BIOCENTRUM will concentrate on current research in biomedicine and chemistry, while the GLOBCENTRUM will focus on researching global changes. In both cases, their interdisciplinary nature will involve various departments of CU faculties located on the Albertov Campus, namely the Faculty of Science, the 1st Faculty of Medicine and the Faculty of Mathematics and Physics.

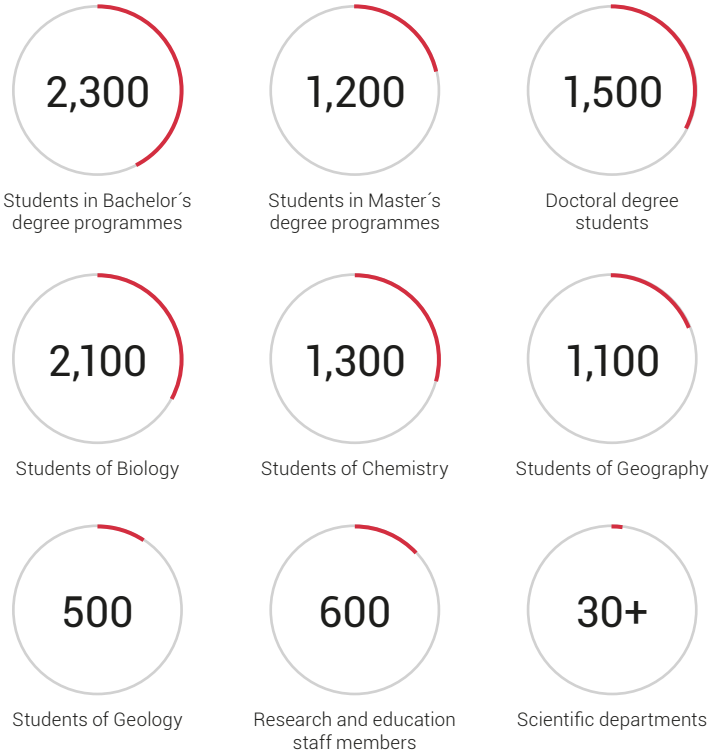
As an institution charged with educating the next generation of scientists, teaching is obviously an important priority at the faculty. The faculty is open to talented students from the Czech Republic and Slovakia, and naturally all students from abroad, who are interested in obtaining their science education here with us. An international atmosphere is particularly evident among our doctoral students, who make up a significant portion of our student body. In addition to scientific skills, we offer

students the opportunity to obtain experience in soft skills and work closely with the private sector, where students can intern during their studies through our mentoring programme. The faculty also runs its own kindergarten, which serves as a teaching workplace for the Faculty of Education. Faculty employees also conduct a popular public awareness and recruiting programme titled Přírodovědci.cz for people of all ages interested in the natural sciences. We try to keep in touch with our graduates through our alumni programme and welcome them back to campuses at Albertov, Viničná and Benátská where the faculty is located. It is our hope that you too will become one of these happy returning alumni in the future...



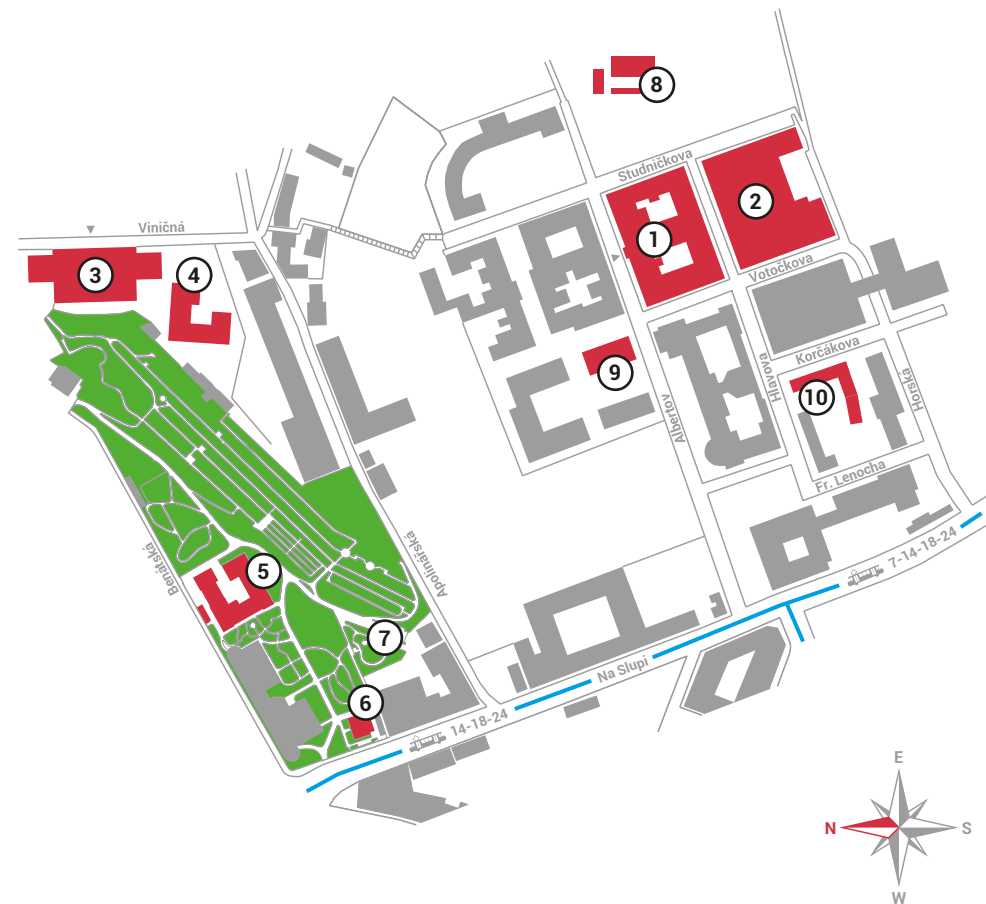
¹⁰ Faculty of Science in figures

Nearly **5,000** students



12 Buildings and facilities

- | | |
|---|--|
| ① Dean's Office Departments, Geography Departments, Geology Departments Albertov 6 | ⑥ Student Affair's Department Na Slupi 16 |
| ② Chemistry Departments Hlavova 8 | ⑦ Botanical Garden Na Slupi 16 |
| ③ Biology Departments Viničná 7 | ⑧ Genetic Garden Studničkova N12 |
| ④ Biology Departments Viničná 5 | ⑨ Chemistry Departments, Geology Departments Albertov 3 |
| ⑤ Biology Departments and Institute for Environmental Studies Benátská 2 | ⑩ Geography Departments Horská 3 |



14 System and organisation of studies

The Faculty of Science provides higher education in the fields of Biology, Chemistry, Geography, Geology and Environmental Protection.

The education process is split into three stages – three-year Bachelor's, two-year Master's and four-year Doctoral programmes. These programmes are primarily aimed at the education of prospective researchers and expert practitioners. One of the traditional types of study is science teacher training, which focuses on the education of prospective secondary school teachers.

The Faculty of Science also runs the STARS programme, which focuses on the recruitment of gifted doctoral students from abroad. Students can apply for research topics which have been recommended by top research teams and approved by the Scientific Council of the Faculty.

Website for applicants:

Bachelor's degree programmes
www.natur.cuni.cz/eng/study/prospective_students/bsc.-study

Website for applicants:

Master's degree programmes
www.natur.cuni.cz/eng/study/prospective_students/msc.-study

Website for applicants:

Doctoral degree programmes
www.natur.cuni.cz/eng/study/prospective_students/ph.d.-study

Fields of study and courses in Bachelor's degree programmes

Biology:

- Bioinformatics
- Biology
- Biology Oriented at Education (two-subjects) (Biology-Chemistry, Biology-Geography, Biology-Geology)
- Ecological and Evolutionary Biology
- Molecular Biology and Biochemistry of Organisms

Chemistry:

- Biochemistry
- Chemistry
- Chemistry and Physics of Materials
- Chemistry Oriented at Education (one-subject or two-subjects) (Chemistry-Biology, Chemistry-Geology)
- Clinical and Toxicological Analysis
- Medicinal chemistry

Ecology and Environmental Protection:

- Environmental Protection

Geography:

- Applied Geography (specialisation: Physical Geography and Geoinformatics, Social Geography and Geoinformatics)
- Demography (specialisation: Demography with Social Geography, Demography with Sociology, Demography with History, Demography with Public and Social Policy)
- Geography and Cartography
- Geography Oriented at Education (one-subject or two-subjects) (Geography-Biology, Geography-Mathematics, Geography-Physical Education, Geography-History)
- Surface and Underground Water

Geology:

- Geology
- Geology - Classical Archaeology
- Geology Oriented at Education (one-subject or two-subjects) (Geology-Biology, Geology-Chemistry)
- Geotechnology
- Earth Sciences
- Management of Natural Resources
- Practical Geobiology

Fields of study and courses in **Master's degree** programmes

Biology:

- Animal Physiology
- Anthropology and Human Genetics
- Bioinformatics
- Botany
- Cellular and Developmental Biology
- Ecology
- Evolutionary Biology
- Experimental Plant Biology
- Genetics, Molecular Biology and Virology
- Immunology
- Microbiology
- Parasitology
- Protistology
- Reproduction and Developmental Biology
- Training Teachers of Biology at Higher Secondary Schools
(one-subject or two subjects)
(Biology-Chemistry, Biology-Geography, Biology-Geology, Biology-Mathematics, Biology-Physics)
- Theoretical and Evolutionary Biology
- Zoology

Chemistry:

- Analytical Chemistry
- Biochemistry
- Biophysical Chemistry
- Chemistry and Physics of Materials
- Clinical and Toxicological Analysis
- Inorganic Chemistry
- Macromolecular Chemistry
- Medicinal Chemistry
- Modelling of Chemical Properties of Nano- and Biostructures
- Organic Chemistry
- Physical Chemistry
- Training Teachers of Chemistry at Higher Secondary Schools
(one-subject or two-subjects)
(Chemistry-Biology, Chemistry-Geology, Chemistry-Mathematics, Chemistry-Physics)

Ecology and Environmental Protection:

- Environmental Protection

Geography:

- Cartography and Geoinformatics
- Demography
- Global Migration and Developmental Studies
- Hydrology and Hydrogeology
- Landscape and Society
- Physical Geography and Geoecology
- Regional and Political Geography
- Social Geography and Regional Development
- Social Epidemiology
- Training Teachers of Geography at Higher Secondary Schools
(one-subject or two-subjects)
(Geography-Biology, Geography-Mathematics, Geography-Physical Education)

Geology:

- Applied Geology
- Geology
- Geobiology
- Training Teachers of Geology at Higher Secondary Schools
(one-subject or two-subjects)
(Geology-Biology, Geology-Chemistry)

18 Fields of study/courses in **doctoral degree** programmes

- Analytical Chemistry
- Animal Physiology
- Anthropology and Human Genetics
- Applied Geology
- Biochemistry
- Botany
- Cartography, Geoinformatics and Remote Sensing
- Demography
- Developmental and Cell Biology
- Didactics of Chemistry
- Ecology
- Environmental Science
- General Issues in Geography
- Geology
- Immunology
- Inorganic Chemistry
- Macromolecular Chemistry
- Microbiology
- Modelling of Chemical Properties of Nano- and Biostructures
- Molecular and Cellular Biology, Genetics and Virology
- Organic Chemistry
- Parasitology
- Philosophy and History of Science
- Physical Chemistry
- Physical Geography and Geoecology
- Plant Anatomy and Physiology
- Regional and Political Geography
- Social Geography and Regional Development
- Theoretical and Evolutional Biology
- Zoology



STARS

STARS is a programme supporting talented PhD students at the Faculty of Science of Charles University in Prague. The aim of this programme is to provide excellent education and an adequate income for PhD students of the Faculty. The STARS programme wants to attract the best students from the Czech Republic, as well as from abroad. What does the STARS programme offer?

All PhD students receive a state-guaranteed scholarship and have access to:

- Supervision
- Advanced methodological courses
- High-tech laboratories and core facilities
- Soft skills training
- Czech language courses for foreign students

Website

www.stars-natur.cz



22 International collaboration

International collaboration involving both students and their educators is the most important factor in successful research activity and premium higher education.

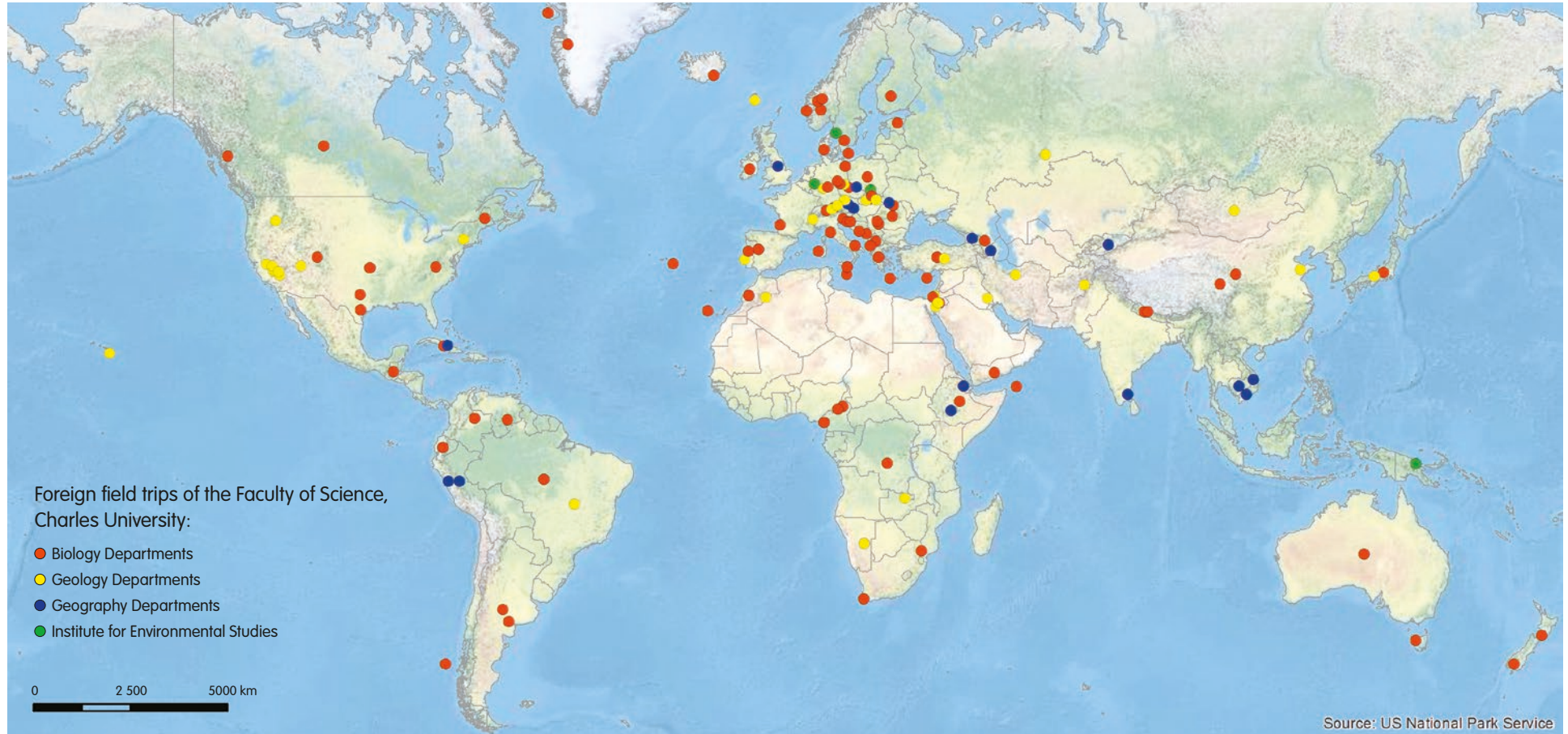
This collaborative process takes many forms. For example, many departments prioritise study trips abroad as an integral part of student education. Top-students in Bachelor's and Master's degree programmes are offered the opportunity to spend part of their studies at foreign universities under the ERASMUS study programme, or within the framework of science and research collaboration.

Research fellowships abroad are also provided within doctoral degree programmes.

Did you know that

- every year our teachers and researchers make more than **1,000** study trips abroad and our students more than **500**?
- our Faculty hosts **300** foreign guests and **200** foreign students?
- more than **100** students from our Faculty travel and study abroad under the ERASMUS programme and about the same number of foreign students arrive in exchange?
- the Faculty has inter-university agreements in partnership with **36** universities in **14** countries?
- the Faculty has an agreement on binationally supervised doctoral theses ("co-tutelle de thèse") with **11** universities in 2 countries?
- the Geography Departments provides tuition to students from prestigious **Dartmouth College** within the framework of the American Term?





Science and research

The Faculty of Science is a research faculty – the highest level of scientific research is conducted here and students, especially doctoral students, are at the centre of these activities. Excellent research results compared to other institutions in the Czech Republic are repeatedly confirmed by, for example, the annual Research, Development and Innovation Council and prestigious prizes are awarded to faculty staff members and students. Faculty teams have shown improved success rates in obtaining funds from prestigious international and European grant agencies. Remarkable scientific results are also born from collaboration with other faculties of Charles University, other universities, institutes of the Czech Academy of Sciences and private companies.

Did you know that

- our staff members publish more than **900** original research papers every year?
- one of the most cited scientists in the world (TOP3000), **Petr Pyšek**, works at the Department of Ecology?
- Faculty members are working on more than **100** grant projects funded by the Grant Agency of the Czech Republic (GAČR) and collaborating on about **50** other GAČR projects?
- our students are recipients of more than **300** projects funded by the Grant Agency of Charles University?
- our Faculty is working on more than **20** other projects funded by ministerial departments and the Technology Agency of the Czech Republic and almost **30** international projects including a prestigious grant from the European Research Council (ERC)?

Website

www.natur.cuni.cz/eng/science-and-research



28 Development efforts and plans for the future

The faculty development plan is based on the priorities of Charles University and the aim to build a modern, effective and competitive faculty that will be attractive for Czech and foreign students and educators, and guarantee its graduates a first-class quality education.

Development activities involve all fields of faculty life – educational and scientific activities, building-up its infrastructure and securing investment activities, the area of foreign relations, and the social security of employees and students.

The BIOCEV Biomedical Centre, which was built in Vestec (Prague-West) in 2015, provides a premium laboratory space and a state-of-the-art instrumentation centre for basic and applied research in the fields of bio-medicine and biotechnology.

At the Albertov campus, the three Albertov neighbours, the Faculty of Science, First Faculty of Medicine and Faculty of Mathematics and Physics are building two new centres of excellence, the BIOCENTRUM and GLOBCENTRUM. These centres will open up the possibilities of forming new research teams

and hosting research groups from abroad, as well as providing more space for existing top-quality teams. The GLOBCENTRUM will explore global phenomena from a variety of perspectives, from geology and geography to ecology. In contrast, the BIOCENTRUM will become a base for chemical and bio-material oriented research, biology and medicine. The construction of these centres of excellence should be completed by 2022.

Website

www.natur.cuni.cz/eng/about-the-faculty/development-projects

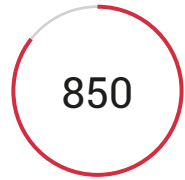


Faculty Departments

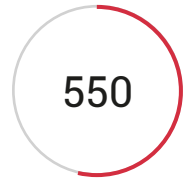


Biology Departments

2,100 students of Biology



Students in Bachelor's degree programmes



Students in Master's degree programmes



Doctoral degree students

- Department of Anthropology & Human Genetics
- Department of Botany
- Department of Cell Biology
- Department of Ecology
- Department of Experimental Plant Biology
- Department of Genetics & Microbiology
- Department of Parasitology
- Department of Philosophy & History of Science
- Department of Physiology
- Department of Teaching & Didactics of Biology
- Department of Zoology

Biology Departments website
www.natur.cuni.cz/biology

Famous alumni:

The founder of the school of parasitology **Otto Jírovec**, plant physiologist **Bohumil Němec** and animal physiologist **Karl Wenig**; **Emanuel Rádl**, who was the first to study the history of biology, Algologist **Bohuslav Fott**, ornithologist **Walter Černý** and cell-physiologist **Václav Kubišta**.

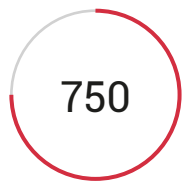
Recent research and scientific achievements:

- the discovery of a new mechanism of tooth development
- participation in research unveiling the genomes of important organisms
- understanding signal molecules involved in the regulation of complex cell processes
- characterisation of plant and animal invasion dynamics
- description of the phenomenon of multicellular microorganisms using a yeast cell model
- the discovery of animal orientation in the magnetic field

Research into the history of the origin of mitochondria – “**Life without Mitochondrion**”, is the project of Associate Professor **Hampel** and his team at the Department of Parasitology under the Biology Section and BIOCEV, which received an ERC Consolidator grant.

Research of plant growth mechanisms – “**Unravelling the Molecular Network that Drives Cell Growth in Plants**”, is the project of Doctor **Matyáš Fendrych** and his team at the Department of Experimental Plant Biology, which received an ERC Starting grant.

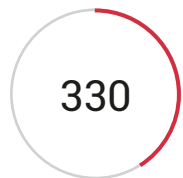




Students in Bachelor's degree programmes



Students in Master's degree programmes



Doctoral degree students

- Department of Analytical Chemistry
- Department of Biochemistry
- Department of Inorganic Chemistry
- Department of Organic Chemistry
- Department of Physical & Macromolecular Chemistry
- Department of Teaching & Didactics of Chemistry

Chemistry Departments website
www.natur.cuni.cz/chemistry

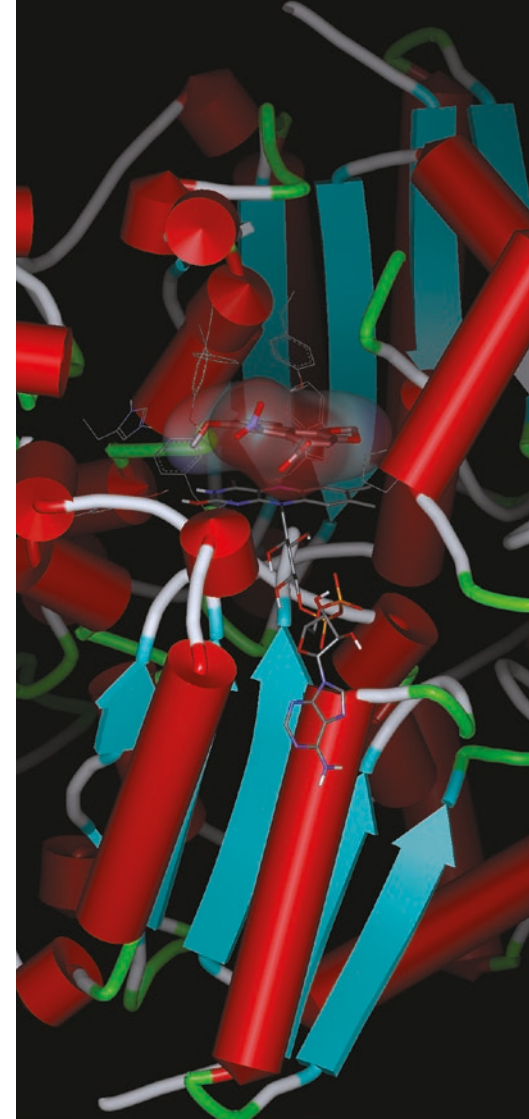
Famous alumni:

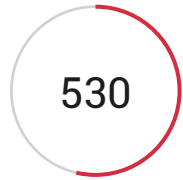
Bohuslav Brauner, eminent inorganic chemist and friend of **D. I. Mendělejev**; **Josef V. Košťiř**, the Czech biochemist who initiated the establishment of a separate department in 1953, **Jaroslav Heyrovský**, laureate of the Nobel Prize in Chemistry. The Chemistry Department is still greatly influenced by its long-standing partnerships with world-acclaimed scientists. Some of these partner researchers are chemistry graduates of our Faculty. These include, among others, **Antonín Holý** (synthesis of new antivirals and cancerostatics); **Josef Michl** (molecular electronics) and **František Tureček** (mass spectrometry of biomolecules). Another top scientist at the department is biochemist **Jan Konvalinka**, who specialises in HIV antiviral development.

Recent research and scientific achievements:

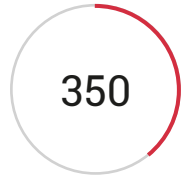
- coordination compounds for radiomedicine
- organometallic chemistry and catalysis
- trace analysis and analytical electrochemistry
- the mechanism of carcinogenesis and the development of anticancer drugs
- theoretical (computer) chemistry

The "**Charles University Centre of Advanced Materials**" is a centre of excellence focusing on research in advanced materials (design, synthesis, applications), with the collaboration of the Chemistry Section.





Students in Bachelor's degree programmes



Students in Master's degree programmes



Doctoral degree students

- Department of Applied Geoinformatics & Cartography
- Department of Demography & Geodemography
- Department of Physical Geography & Geoecology
- Department of Social Geography & Regional Development

Geography Departments website
www.natur.cuni.cz/geography

Alumni and graduates:

Bohumír Janský, the hydrologist who discovered the source of the Amazon River and recipient of the Minister of the Environment Award; **Jitka Rychtaříková**, the great European demographer and Knight of the Order of Academic Palms of France; ex-Mayor of Prague **Tomáš Hudeček**, etc.

Recent research and scientific achievements:

- natural hazards (e.g. landslides)
- climate change and its consequences (e.g. floods)
- development of cities and regions related to the globalisation of the economy
- social changes
- international migration
- demographic population aging

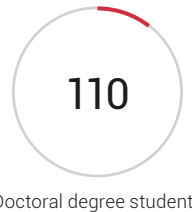
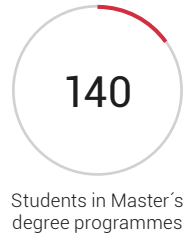
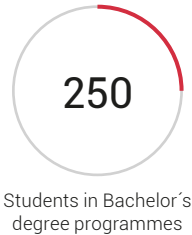
"The Geomorphology and Geodynamics Team" of the Department of Physical Geography and Geoecology has been recognised as a World Centre of Excellence for its research into the mass movements of soil.

The professional quality of its geographical and demographic research teams has placed the Geography Department of the Faculty of Science, Charles University among the one hundred best centres of geography in the world, as ranked by the **British company Quacquarelli Symonds** (www.topuniversities.com/subject-rankings), which rates individual universities by subject.



Geology Departments

500 students of Geology



- Institute of Geochemistry, Mineralogy & Mineral Resources
- Institute of Geology & Palaeontology
- Institute of Hydrogeology, Engineering Geology & Applied Geophysics
- Institute of Petrology & Structural Geology, Laboratories of the Geological Institutes

Departments website
www.natur.cuni.cz/geology

Alumni and graduates:

Petr Jakeš (geologist, geochemist and populariser of science); **Ivo Chlupáč**, the world-renowned Czech geologist and palaeontologist who established the first global stratotype of the Silurian-Devonian boundary at Klonk u Suchomast in the Barrandien region and his proposal of the Lochkovian-Pragian stages of the Lower Devonian series is still used today, **Radim Kettner**, author of the voluminous General Geology textbook, and **Rudolf Běhouněk** and **Ota Hyníe**, founders of the Applied Geophysics Department of our Faculty.

Recent research and scientific achievements:

- research in palaeontology - fossil vs. recent marine shelled organisms as a substrate for colonisation and bioerosion
- meteorites, planetary geology, composition of asteroids and comets
- igneous petrology, metamorphic petrology and structural geology
- isotope geochemistry and contamination tracers

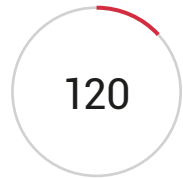
Assoc. Professor **J. Bruthans'** research group - study of the mechanism of the formation of natural sandstone arches and similar formations. Professor **J. Jehlička's** research group - following carbon and biomarkers in rocks to understand the processes of their transformation, applying laboratory and field Raman spectroscopic techniques, exobiology applications from terrestrial analogue sites of extremophile colonisations.



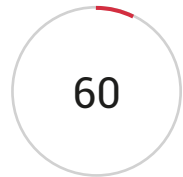
Faculty - wide institutions



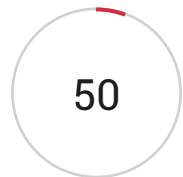
42 Institute for Environmental Studies



Students in Bachelor's degree programmes



Students in Master's degree programmes



Doctoral degree students

The Institute for Environmental Studies conducts education and research in the field of environmental protection, especially monitoring air, water and soil quality, studying the influence of technologies on the environment, nature protection, contamination of the environment and decontamination technologies, restoration of ecosystems and GIS (geographic information systems) applications. The Institute cooperates with a number of university research centres, institutes of the Czech Academy of Sciences and foreign institutions. The Institute for Environmental Studies publishes the peer-reviewed European Journal of Environmental Sciences.

Institute for Environmental Studies website
[www.natur.cuni.cz/eng/
institute-for-environmental-studies](http://www.natur.cuni.cz/eng/institute-for-environmental-studies)



44 Department of Physical Education

The Department of Physical Education offers a wide range of extracurricular sporting activities for both students and staff members of the Faculty of Science of Charles University.

Physical education activities take place at Charles University's fully-equipped sports centre (gym, combative room, table tennis room, swimming pool, sauna), as well as an athletic stadium, air domes, tennis courts, gyms, football and softball pitches. The Department of Physical Education places great emphasis on collaboration with specialised departments within the Faculty of Science and organises a number of winter and summer sports courses (skiing, canoeing, cycling, alpine tourism, etc.).

Department of Physical Education website
[www.natur.cuni.cz/eng/
department-of-physical-education](http://www.natur.cuni.cz/eng/department-of-physical-education)



46 Museums and other departments

• Botanical Garden

Botanical Garden covers an area of 3.5 ha and provides an oasis in the heart of the city. The outdoor exhibition includes a unique specimen of Ginkgo biloba, estimated to be about 130 years old, as well as one of the first dawn redwoods introduced to Europe. The collection is visited annually by about 100,000 people. It serves not only as a source of demonstration material for students of biology and related fields from both Charles University and its affiliated colleges and secondary schools, but also contributes to community education and recreation for all ages.

Address:
Na Slupi 16, Prague 2

www.bz-uk.cz/en



• Geological Park

Within the premises of the Botanical Garden is a geological exhibition entitled 'Rock and Geological Development of the Bohemian Massif'. 32 unique kinds of rock showcase the geodynamic processes that formed and influenced the creation and development of the geological landscape of the Czech lands over the past 600 million years. The exhibition is divided into six sections pertaining to geological units located within the Czech territory. Each sample structure contains a reference clue to the geological process behind its formation, such as sedimentation, melting, folding or rock conversion.

Address:
16 Na Slupi, Prague 2



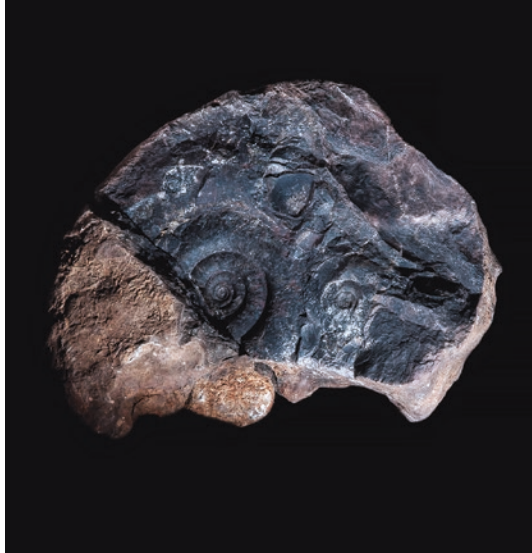
• Chlupáč Museum of Earth History

The Chlupáč Museum of Earth History is a university museum that originally housed the collection of the Institute of Geology and Palaeontology of our faculty. It primarily serves for teaching and research in the field of historical geology, stratigraphy, palaeontology, general geology, regional geology and other related fields. Due to its undeniably compelling content, we decided to open this museum to the public, but due to the operation of the Faculty of Science and location of the museum, certain restrictions apply to visits by the general public. One of these is opening times.

Address:

Albertov 6, Prague 2

[www.natur.cuni.cz/geology/
museum-earth-history](http://www.natur.cuni.cz/geology/museum-earth-history)



• Mineralogical Museum

Today, the Museum's collection contains more than 22,000 specimens. It is located in two rooms on the first floor of the building at Albertov 6, denoted as the Mineralogical Museum. More than 2,000 specimens are exhibited in the display cases and, except for a few minor modifications, the exhibition has been maintained in its original, aesthetically extremely successful layout. The Museum is open to the public, with guided tours by prior agreement.

Address:

Albertov 6, Prague 2

[www.natur.cuni.cz/geology/
mineralogical-museum](http://www.natur.cuni.cz/geology/mineralogical-museum)



- The Map Collection

The Map Collection was established with the CU Geographic Institute (1891) and is a universal collection for science, research and education. It serves academic staff and students of Charles University, as well as the professional and lay public.

Address:
Albertov 6, Prague 2

www.natur.cuni.cz/geography/geographical-library



- Hrdlička Museum of Man

The museum, a traditional institution with a history going back to 1937, has a unique atmosphere that resembles a cabinet of curiosities that takes you back into the past. It aims to be a place where the public, students and scientists can meet and present socially important facets and problems of scientific research. The permanent exhibition explores human evolution, the development of humans, pathology, death and human diversity and variability.

Address:
Viničná 7, Prague 2

www.muzeumcloveka.cz/en



Libraries

- **Library of Biological Sciences**
Na Slupi 16, Prague 2
- **Library of Chemical Sciences**
Hlavova 8 Prague 2
- **Geographical Library**
Albertov 6, Prague 2
- **Geological Library**
Albertov 6, Prague 2



Student and cultural
life, community
partnerships and
social responsibility



Student life in Prague

The student website is run by student senators and aims to provide students with general assistance, including answering their questions, helping them deal with a variety of problems and keeping students updated on matters of interest to make university life easier. It also offers a student forum, book exchange and lots more.

<http://web.natur.cuni.cz/student>

There are several clubs on the Faculty premises for the enjoyment of students. The "Chladič" club is located in the basement of the Chemistry Departments building (Hlavova 8), where students can come and study, chat, read magazines, etc. "The Golda bar" is just a few steps away from the club. Students can also visit the bistro at Albertov 6. All clubs occasionally organise travel photo presentations and similar events. Located at Benátská 4 (in the vicinity of the faculty's Botanical Garden), the "Mrtvá ryba" pub has achieved legendary status among students and evenings there can be spent in a pleasant non-smoking environment.

Scientists.cz

Scientists.cz (Přírodovědci.cz) is a communication project of the Faculty of Science of Charles University designed to present the faculty's four departments, Biology, Chemistry, Geography and Geology, through attractive visual projects. The website provides interesting facts from all Faculty areas, interactive educational animations, along with the opportunity for both students and high school teachers to become registered members of the programme. Membership provides students and teachers alike with the chance to experience the academic environment, attend classes, witness selected laboratory tests, discuss topics of interest with scientists and lecturers at the Faculty of Science, and take part in field trips.

www.scientists.cz



Science is Beautiful

Science is Beautiful is an unrivalled photographic competition that has been organised by the Faculty of Science of Charles University since 2009. It aims to communicate the unexpected aesthetic beauty that scientists encounter in the course of their research efforts to the general public.

www.vedajekrasna.cz/uvod



Rybička Kindergarten

Rybička was established under the OPPIA programme-sponsored project in 2012 as the faculty's pre-school facility for the children of students and faculty members. It is located in the newly renovated and refurbished building at Benátská 4, bordering the Botanical Garden. The preschool curriculum focuses on nature, naturally.

www.skolkarybicka.cz



The Faculty of Science ALUMNI Club

Graduating from any of the Faculty's study programmes gives students the opportunity to pursue a unique career in their field of expertise. Moreover, they leave the faculty having gained another valuable asset: contacts with kindred spirits, teachers and colleagues. The Alumni Club of the Faculty of Science, Charles University believes these contacts should last forever. Therefore, its main objective and priority is to offer graduates the benefits of a broad network of professionals connected by their studies at the Faculty of Science.

www.natur.cuni.cz/fakulta/absolventi



Extra curricular education for secondary school students - competitions and correspondence courses

A number of our scientists and students participate in the preparation of assignments for high school "Olympic" competitions in biology, chemistry or geography and their overall organisation. Our students and faculty staff also manage various correspondence courses and seminars (the KSICHT - correspondence seminar inspired by chemistry topics, the Biozvěst correspondence course in biology and the Kamenozrout seminar in geology) as well as supporting other educational events for secondary schools.

ksicht.natur.cuni.cz
www.studiumbiologie.cz/biozvest
kamenozrout.cuni.cz



60 Lifelong learning programmes

Teaching qualifications

Many of our students and graduates welcome the opportunity to obtain teaching qualifications, which supplement their expertise as part of our lifelong-learning programmes, providing them with the chance to work as certified secondary school teachers.

www.natur.cuni.cz/fakulta/studium/czv/pedagogicka-zpusobilost



Third Age University

The Faculty of Science of Charles University organises about 15 educational courses for seniors every year. And every year more than 200 attendees successfully complete these courses.

www.natur.cuni.cz/fakulta/studium/czv/u3v





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Photographs

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