

Czech Agricultural, Forestry and Veterinary Universities



Czech University of Life Sciences Prague

Address: Kamýcká 129 165 21 Praha 6 – Suchdol www.czu.cz





Czech University of Life Sciences Prague

Faculty of Agrobiology, Food and Natural Resources



Czech University Of Life Sciences Prague
Faculty of Economics
and Management



Czech University of Life Sciences Prague

Faculty of Engineering



Czech University of Life Sciences Prague

Faculty of Tropical AgriSciences



Czech University of Life Sciences Prague
Faculty of Environmental
Sciences



Czech University of Life Sciences Prague

Faculty of Forestry and Wood Sciences



Address: Kamýcká 129 165 21 Praha 6 - Suchdol

number of students: 3 500, number of employees: 250 (academic year 2015/2016)



The Faculty of Agrobiology, Food and Natural Resources (FAFNR) has the longest tradition of all the agricultural faculties in the Czech

Republic. It has been developing agricultural education and research since 1906 when it was founded as the School of Agricultural and Forestry Engineering at the Czech Technical University. Nowadays, our Faculty covers an extensive range of applied biology research including agricultural and horticultural sciences, food quality and nutrition, natural resources management, rural development, environmental protection, and many other areas of interest. Thanks to a variety of study programmes, strong orientation on research, modern facilities, and international recognition, the Faculty is very attractive for both domestic and foreign students.

Consider the Faculty of Agrobiology, Food and Natural Resources as your destination for developing skills and knowledge needed to tackle modern agricultural and environmental challenges!





INTERNATIONAL COOPERATION AND RESEARCH

The Faculty participates in diverse international projects, most notably those sponsored by FP7 and H2020 EU programmes. The Department of Agroecology and Biometeorology recently successfully finished the FP7 project "Practical Implementation of Coexistence in Europe" (PRICE) focused on economic aspects of co-existence regulations which would be required to grow genetically modified crops in European conditions. Budget allocated to the Department was 123 254 €.

Currently, the FP7 project "Resource Preservation by Application of Bioefectors in European Crop Production" (BIOFECTOR) is being solved at the Department of Agro-environmental Chemistry and Plant Nutrition with allocated budget of 151 630 €. This project is focused on the development and strategic application of natural products (microorganisms, plant and composts extracts), recycling materials to alternative products, or improving efficiency of mineral fertilizers.

The broad team of experts coordinated by FAFNR developed and verified unique software tool based on GIS database called IS RESTEP. These freely accessible interactive maps allow calculations of energy potential of all major renewable sources available in any region of the Czech Republic to find economically and environmentally suitable locations for intended RES unit installations. The newly invented software has been widely used since its publication on www.restep.cz by the state administration, private sector, and public in the Czech Republic, but can be easily modified and implemented for other countries all around the world. The activity was realised under EC LIFE+ Environmental Policy and Governance program with total allocated budget of I 400 000 € of which the Faculty received 238 141 €.

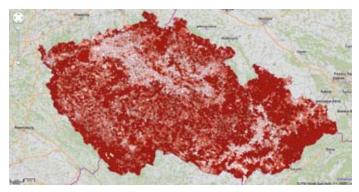


Fig 1: RESTEP map of the energy potential in forest harvest residues (Czech Republic).



SUCCESS STORY – TECHNOLOGY TRANSFER

Department of Agroecology and Biometeorology was involved in development and optimization of rapid test for detection of herbicide resistance in weeds. The RISQ (Resistance In-Season Quick Test) is an in-season universal method for detecting herbicide resistance in weeds to a wide range of herbicide modes of action prior to field application. RISO can provide results in 14 to



Fig. 2: Testing of Silky bent grass on herbicide resistance using RISQ test.

21 days and enables growers to make and informed herbicide selection before field application. The development was sponsored by Syngenta Limited (UK) and has now been widely introduced to provide fast weed resistance information for growers and consultants all over the world.

- The faculty has agreements with almost 100 universities within Europe and overseas enabling extensive students mobility and staff exchange.
- All facilities for practical training such as experimental field and stable, ornamental garden, glasshouses, horse barn and riding hall are located in or in walking distance from campus.



BSc.:

Agriculture and Food Sustainable Use of Natural Resources

MSc.:

Sustainable Agriculture and Food Security (Double Degree with ENSAT Toulouse, France)

Natural Resources Management and Ecological Engineering (Joint Degree with BOKU Vienna, Austria) Natural Resources and Environment

Ph.D.:

General Crop Science Special Crop Science

General Animal Science

Special Animal Science

Agricultural and Forestry Phytopathology and Plant Protection

Agricultural Chemistry

Exploitation and Protection of Natural Resources

DEPARTMENTS

Department of Agroecology and Biometeorology

Department of Agroenvironmental Chemistry and Plant Nutrition

Department of Botany and Plant Physiology

Department of Genetics and Breeding

Department of Husbandry and Ethology of Animals

Department of Chemistry

Department of Quality of Agricultural Products

Department of Microbiology, Nutrition and Dietetics

Department of Plant Protection

Department of Soil Science and Soil Protection

Department of Forage Crops and Grassland Management

Department of Crop Production

Department of Animal Husbandry

Department of Veterinary Sciences

Department of Water Resources

Department of Horticulture

Department of Landscape Architecture

Department of Zoology and Fisheries



Address: Kamýcká 129 165 21 Praha 6 – Suchdol

number of students: 9 931, number of employees: 207 (academic year 2015/2016)



The Faculty of Economics and Management (FEM) of the Czech University of Life Sciences Prague offers a wide range of education and research covering the areas of management, economics, ITC, systems engineering, public administration and regional development which reflect the needs of the entire economy and society. Based on the conclusions of the Bologna Conference of Universities and Higher Education Representatives, the studies are divided into three levels - bachelor, master and doctoral, each with corresponding degrees. Several bachelor-degree, master-degree and PhD programmes are taught exclusively in English. The long lasting tradition and the development of pedagogical, research, scientific and international activities are reflected in acknowledging these important areas of academic life in the accreditation of the habilitation and professorship proceedings.



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INTERNATIONAL COOPERATION AND RESEARCH

FEM CULS Prague is involved in several international research projects in economics, informatics or social sciences. The most important projects are as follows.

COMPETE – International comparisons of product supply chains in the agro-food sectors: determinants of their competitiveness and performance on EU and international markets (2012–2015, 7FP).

FARMPATH – Farming Transitions: Pathways Towards Regional Sustainability of Agriculture in Europe (2011–2013, 7FP).

VOA3R – virtual Open Access Agriculture & Aquaculture Repository: Sharing Scientific and Scholarly Research related to Agriculture, Food and Environment (2010–2013, 7FP).

CERTCOST – Economic Analysis of Certification Systems for Organic Food and Farming (2008–2011, 7FP).



Internationalization is one of the most important strengths of the faculty. The faculty hosts annually students from more than 70 countries, and has entered into bilateral agreements with over 100 universities all over the world. This facilitates the students and teaching staff mobility as well as cooperation in research. The latest information from prestigious institutions can be presented at the faculty thanks to cooperation with reputable foreign professors and experts. During the summertime, more than 200 students, mostly from the United States, visit the faculty as participants of several summer schools. The university campus thus provides a really unique and multicultural environment.





SUCCESS STORY – TECHNOLOGY TRANSFER

The MONIQUA Methodology for evaluation of the quality of life in regional communities (accredited by the Ministry of Regional Development), uses indicators which cover the needs of 180 Czech Local Action groups comprising 6,250 municipalities. They are presented in cartographic maps in the software tool.

We have created an algorithm which identifies VAT frauds. This predictive system makes it possible to identify a set of high risk subjects, which could be checked by the standard mechanism of tax audit applied by the Czech tax administration.

We have developed a software that enables students to acquire tacit management knowledge due to interaction with artificial intelligence.



Q DID YOU KNOW?

- 98 percent of our students are able to find jobs after graduation.
- The faculty offers a unique European Agrarian Diplomacy study programme of which the graduates find jobs in major European

DEGREE COURSES

BSc.:

Economics and Management (en) Business Administration (en) **Economics and Management Economics and Cultural Studies** Business and Administration Public Administration and Regional Development **Informatics** Systems Engineering Informatics (en)

MSc.:

European Agrarian Diplomacy (en) **Business Administration** European Agrarian Diplomacy **Economics and Management Economics and Cultural Studies Business Administration** Public Administration and Regional Development Systems Engineering Informatics Project Management Informatics (en)

Ph.D.:

Management (en) Sector Economics and Economics of Enterprise (en) Management Sector Economics and Economics of Enterprises Regional and Social Development Systems Engineering Information Management Information Management (en)

DEPARTMENTS

Department of Economic Theories Department of Economics Department of Humanities Department of Information Engineering Department of Information Technologies Department of Languages Department of Law Department of Management Department of Psychology Department of Statistics Department of Systems Engineering

Department of Trade and Accounting



Address: Kamýcká 129 165 21 Praha 6 - Suchdol

number of students: 2 200, number of employees: 122 (academic year 2015/2016)



ABOUT US

The Faculty of Engineering (formerly Faculty of Mechanization) was founded as part of the University of Agriculture established in 1952, now "Czech University of Life Sciences Prague (CULS)". The University is located in the city of Prague, Czech Republic; which is regarded as one of the most beautiful cities in the world.

The Faculty has remained an integral part of CULS. Staff activities have been mainly teaching and research as well as expertise appraisal and consultancy. There are ten departments with equipped laboratories and centres for projects developmental workshops. The Faculty of Engineering has signed several international agreements with European universities whereby the ECTS (European Credit Transfer System) applied by CULS provides better academic conditions for students mobility through exchange programmes or courses with the European partner universities. PhD candidates or graduates have been among the best students or researchers of CULS as well as International Awards related to science and research publications.





INTERNATIONAL COOPERATION AND RESEARCH

The international relations of the Faculty of Engineering play an increasingly important role in the mainstream of teaching and research through summer school programmes and workshops for foreign students. The students and staff international exchange internships are essential for the faculty's continuing knowledge transfer and acquisition. The Faculty has been involved in developmental projects focused on agriculture mechanization and technology, precision farming, energetic and bio-systems engineering. International teachers are members of the academic staff involved in teaching and research. The Faculty has been also the coordinator of a number of international projects including "The establishment of agricultural training centre in Indonesian region Tapanuli" and "Machinery induced compaction of agricultural soil and mitigation strategies in the Danube region".



The Faculty of Engineering has improved its wide scope of research focused on agricultural and food processing technologies both in the Czech Republic and beyond, for instance, in the Indonesian province, North Sumatera. The number of international publications by local researchers has increased tremendously which are indexed in Scopus and/or Web of Science.





SUCCESS STORY - TECHNOLOGY TRANSFER

The Faculty of Engineering in cooperation with Farmet a.s. has invented a high-boron wear resistant steel for components and tools widely used in agricultural machines of the 21st century.



Q DID YOU KNOW?

- 90 percent of the students find job immediately after graduation.
- Strong cooperation exists with private sectors relating to the development of the agricultural machines and food processing technologies.



DEGREE COURSES

BSc.:

Agricultural Engineering Agricultural machinery Road transportation and city traffic" Waste disposal technology and techniques Technological equipment of constructions Trade and Business Dealing with Machinery Information and Control Technology in Agri-food Complex Maintenance Engineering

Technology and Environmental Engineering Agricultural machinery Road transportation and city traffic Waste disposal technology and techniques Technological equipment of constructions Trade and Business Dealing with Machinery Information and Control Technology in Agri-food Complex Maintenance Engineering

Ph.D.:

Engineering of Agricultural Technological Systems Technology of production processes Agricultural technology and mechanisation Power engineering Marketing of machines and technical systems Quality and dependability of machines and devices

Department of Vehicles and Ground Transport

DEPARTMENTS

Department of Agricultural Machines Department of Electrical Engineering and Automation Department of Machinery Utilization Department of Material Science and Manufacturing Technology Department of Mathematics Department of Mechanical Engineering Department of Physics Department of Quality and Dependability of Machines Department of Technological Equipment of Buildings



Address: Kamýcká 129 165 21 Praha 6 - Suchdol

number of students: 539, number of employees: 57 (academic year 2015/2016)



ABOUT US

The Faculty of Tropical AgriSciences (FTA) is an independent, educational, research and scientific academic body of the Czech University of Life Sciences Prague (CULS) for research into and study of tropical and subtropical regions. It was established in 1961 as the "Institute of Tropical and Subtropical Agriculture", which was later renamed to the "Institute of Tropics and Subtropics" (ITS). The faculty itself was established on 1st January 2013.

The FTA offers education in agricultural, environmental and rural development in specific tropical and subtropical regions at both undergraduate and postgraduate levels. FTA graduates are awarded B.Sc., M.Sc. and Ph.D. degrees - we offer three bachelor, six master and two doctoral programmes, eight of them are taught in English. Teaching activities are conducted by four FTA departments, which are equipped with the necessary facilities: experimental greenhouses in the Botanical garden, fields, laboratories, farms and computer hardware and software infrastructure.





INTERNATIONAL COOPERATION AND RESEARCH

FTA has been coordinating several Erasmus Mundus projects, e.g. EURASIA2 (Action 2), ALFABET (Action 2) and ASK Asia (Action 3), has been a partner in other EM projects (EURASIA and EULAlinks) and Horizon 2020 project PROIntensAfrica. The Faculty of Tropical AgriSciences has outstanding and long-term experience in the coordination of development projects with the Czech Development Agency - in Angola, Bosnia, Cambodia, Ethiopia, Georgia, Haiti, Jordan, Kyrgyzstan, Mali, Moldova, Mongolia, Peru, Senegal, Uzbekistan, Vietnam and Zambia. Examples of the development projects with research activities are:

- Derbianus Conservation: The Western Derby Eland Conservation Programme in Senegal
- Establishment of the Centre of Agricultural Education in the Bié Province, Angola
- Establishment of a Development and Extension Centre for Sustainable Agriculture in Peruvian Amazon
- Renewable Energy Resources for Rural Areas in the Thua-Thien Hue Province. Vietnam



We were first coordinator of Erasmus Mundus Action 2 project in the Czech Republic with Eurasia2 project focused on exchange of students and staff among 20 universities in Europe and Asia, transfer of know-how and capacities in the field of Life Sciences. Based on this experience we have been selected by the European Commission as coordinators of other Erasmus Mundus/Erasmus + projects (e.g. ALFABET, ASK Asia or IQAT projects. The project ASK Asia was selected as "example of good practise" by the EACEA.





SUCCESS STORY - TECHNOLOGY TRANSFER

We started higher education in Angola after long-term civil war in 2003, built the Centre for agriculture education (high school), and within 4 years over 300 graduated students, now working in the field of agriculture. Several of these alumni from Angola where selected by the Czech government and supported with scholarship for foreign students. They successfully graduated at the FTA and presently they are working at the Ministries of Agriculture or national institutions in Angola.

Q DID YOU KNOW?

- 95 % of our students find job within 5 months after graduation.
- More than half of the students' final theses are based on their research in tropical and subtropical countries.



BSc.:

Agriculture in Tropics and Subtropics (Czech)
Sustainable Development in the Tropics and Subtropics (Czech)
International Cooperation in Agriculture and Rural Development (English) – open in 2016/17

MSc.:

Animal and Food Science in Tropics and Subtropics (English)
International Development and Agricultural Economics (English)
Sustainable Rural Development in the Tropics and Subtropics (English)
Tropical Crop Management and Ecology (English)
Tropical Forestry and Agroforestry (English)
Wildlife Management in Tropics and Subtropics (English)

Ph.D.:

Agriculture in Tropics and Subtropics (Czech)
Sustainable Rural Development (English)

DEPARTMENTS

Department of Animal Science and Food Processing Department of Economics and Development Department of Sustainable Technologies Department of Crop Sciences and Agroforestry Botanical Garden of Faculty of Tropical AgriSciences Experimental breeding farm for elands and guanacos





Address: Kamýcká 129 165 21 Praha 6 - Suchdol

number of students: 2 760 (including 53 ERASMUS students) number of employees: 125 researchers (academic year 2015/2016)



ABOUT US

The Faculty of Environmental Sciences was established in 2007 as an independent research and teaching college within the Czech University of Life Sciences Prague. One of the reasons for creating this new faculty was a growing demand for specialists with scientific knowledge and a practical orientation toward the environment. The Faculty of Environmental Sciences is an institution known for its multidisciplinary approach in dealing with issues of environmental conservation and sustainable development. Our team of experienced professionals from ecology, hydrology, landscape planning, land consolidation, waste management, environmental modelling, soil protection and many others is motivated to apply its research findings in teaching students and to implement such outputs in practical applications. The modern faculty offers a wide range of interesting programmes in conservation of the environment, nature and landscape at bachelor, master and PhD levels. Our programmes provide the required educational training for a number of official authorizations such as, among others, environmental impact assessment (EIA/SEA).





INTERNATIONAL COOPERATION AND RESEARCH

Horizon 2020 (Marie Sklodowska-Curie Actions):

Brachiopods as sensitive tracers of global marine environment: Insights from alkaline, alkaline Earth metal, and metalloid trace element ratios and isotope systems.

Nordic funds:

Assessing water quality improvement options concerning nutrient and pharmaceutical contaminants in rural watersheds, partner is the Norwegian Institute for Agricultural and Environement Research (Bioforsk).

A new methodological approach for identification of industrial pollution: Isotope fingerprinting and bacterial community changes (ISOFIN), partners are the Norwegian Institute for Agricultural and Environement Research (Bioforsk) and The Geological Survey of Norway (NGU).

COST:

Biochar as option for sustainable resource management.

Methodology for identification of pollution sources

We are currently developing a novel methodology for identification of pollution sources, which is based on metal isotope fingerprint using data from various environmental samples (e.g., snow, lichens, soils, peats, atmospheric particles). The project is cooperation with Norwegian institutes NIBIO and NGU and focuses on two polluted areas in the Barents region with several smelters and metal industries and in the Upper Silesian region polluted by intensive metal and coal industry. This approach will allow a precise evaluation of pollution sources, their contributions and range.





SUCCESS STORY – TECHNOLOGY TRANSFER

Artificial habitats for selected animal species.

The methodology is focused on temporary placement of selected threatened species (amphibians, reptiles and selected invertebrates) in artificial habitats as a possible method of ex situ conservation measures. The issue has not yet been solved both in the Czech Republic and abroad. Artificial



habitats have been developed within the project supported by TAČR and on the base of intensive cooperation between CULS Prague and NaturaServis Itd. Company.

Q DID YOU KNOW?

- Our students and researchers are awarded with the most prestigious grants (e.g. Marie Sklodowska-Curie Actions) and get experienced at the world's leading institutions (e.g. Duke University).
- Our graduates have the highest gross salary and have the third lowest unemployment rate among all nine agricultural faculties of Czech universities.



DEGREE COURSES

BSc.:

Applied Ecology Landscaping Water management Landscape Technical and Administration Services Landscape Planning

MSc.:

Applied Ecology **Environmental Geosciences** Nature Conservation Regional Environmental Administration **Environmental Modelling** Landscape Engineering Landscape Planning Land and Water Management Water in the Landscape Landscape and Land Management

Ph.D.:

Ecology Applied and Landscape Ecology **Environmental Modelling** Water Regime Improvement in Landscape

DEPARTMENTS

Department of Applied Geoinformatics and Spatial Planning Department of Environmental Geosciences Department of Ecology Department of Land Use and Improvement Department of Water Resources and Environmental Modeling Department of Applied Ecology



Address: Kamýcká 129 165 21 Praha 6 - Suchdol

number of students: I 929, number of employees: 160 (academic year 2015/2016)



ABOUT US

The Faculty of Forestry and Wood Sciences is an important educational institution with a long tradition. The Faculty is one of two institutions in the Czech Republic where students can study forestry and wood sciences at university level, and the only institution with study specializations in Game Management, Preservation of Natural objects and Taxidermy. Scientific, research, development and expert activities are focused on the fields of forestry and timber processing.

The faculty consists of 10 departments on the campus, and a large arboretum and other teaching and research equipment in the University Forest Enterprise in Kostelec nad Černými lesy near Prague. The Faculty staff has 160 members, of them 12 professors, 19 associate professors and 75 assistants and researchers.

The Faculty closely cooperates with the University Forest Enterprise in Kostelec nad Černými lesy for educational, research and scientific purposes.





INTERNATIONAL COOPERATION AND RESEARCH

Intensive international cooperation in education and research has been unfolding for many years, participating in educational and scientific organizations' activities, collaborating in miscellaneous international projects, organizing and participating in international conferences and competitions. The Faculty is a member of important organizations, e.g.: International Union of Forest Research Organizations (IUFRO), European Forest Institute (EFI) and its Regional Office for Central and Eastern Europe (EFICEEC), Conference of Deans and Directors of European Forestry Faculties and Schools (CONFEST) Interuniversity Consortium for Agricultural and Related Sciences in Europe (ICA).

Long-term research is interconnected with the practical sphere. Key areas of research and development are e.g.: silviculture, forest ecology, dendrology, phytocoenology, tree species breeding and biotechnologies, stand structure, forest and growth processes on various levels, operations mechanization, forest technology, structural utilization of wood and wood-based materials, forest economy, environment economy, forest evaluation, policy and legislation.

Our experts worked in various countries of the World. In Central Vietnam we created a forest management plan establishing multifunctional forest on the area about 10000 ha and we reforested the area 43 ha on demonstration plots in the commune Phong My. In Indonesia, in the province North Sulawesi, we created a special plan for erosion control around Lake Tondano and on demonstration plots we practically showed various patterns of agroforestry in total area of 40 ha. In Guatemala we created a special plan of forest and landscape development for the commune San Mateo Ixtatan.





SUCCESS STORY – TECHNOLOGY TRANSFER

Our geneticists have developed a new and effective method of planting seed orchard of forest trees, which is now applied by the two largest forestry state companies in the country.



Q DID YOU KNOW?

 Graduates from all programmes find employment easily, their employment rate reaches 98% in the long run.



DEGREE COURSES

BSc.:

Forestry (taught both in Czech and English)

Wood Technology

Game Operation and Management

Game Management (taught in English)

Economics and Administration Services in Forestry

Wood-Processing and Furniture Industry Business

Conservation and Taxidermy

MSc.:

Forest Engineering (taught both in Czech, and English)

Wood Engineering

Forest, Water and Landscape Management (taught in English)

Tropical Forestry and Agroforestry (taught in English)

Ph.D.:

Dendrology and Forest Tree Breeding

Forest Management

Forest Protection and Game Management

Silviculture

Economics and Management of an Enterprise

Technology and Mechanisation in Forestry

DFPARTMENTS

Department of Wood Products and Wood Constructions

Department of Genetics and Physiology of Forest Trees

Department of Forest Ecology

Department of Forestry and Wood Economics

Department of Forest Management

Department of Forest Technology and Constuctions

Department of Game Management and Wildlife Biology

Department of Forest Protection and Entomology

Department of Silviculture

Department of Wood Processing



University of South Bohemia in České Budějovice

Address: Branišovská 1645/31a 370 05 České Budějovice www.jcu.cz





Fakulta rybářství a ochrany vod Faculty of Fisheries and Protection of Waters



Zemědělská fakulta Faculty of Agriculture



Fakulta rybářství a ochrany vod

Faculty of Fisheries and Protection of Waters

Address: Zátiší 728/II 389 25 Vodňany

number of students: 232 number of employees with PhD students: 203 (academic year 2015/2016)



The Faculty of Fisheries and Protection of Waters, University of South Bohemia in České Budějovice (FFPW USB) was established on 1st of September 2009. FFPW is a very complex workplace within Europe with bachelor, master and PhD studies, scientific and applied research, inaugural and professorial rights in the field of fisheries and protection of waters. The Faculty has experimental background for study and research of pond culture, aquaculture, aquaponics, water ecology, toxicology, fish diseases, reproduction, genetics, fish and crayfish breeding, biomonitoring, protection of waters and a unique library on fisheries.

Our motto is: We are a young active Central European scientific faculty that creates a self-sustaining economic, social, dynamic and nature-friendly Europe.





INTERNATIONAL COOPERATION AND RESEARCH

- FFPW USB participates in following FP7 and Horizon 2020 projects;
- AQUAEXCEL 2020 Aquaculture infrastructures for excellence for European fish research;
- TRAFOON Traditional Food Network to improve the transfer of knowledge for innovation;
- OrAQUA European Organic Aquaculture Science-based recommendations for further development of the EU regulatory framework and to underpin future growth in the sector;
- FishBOOST Improving European aquaculture by advancing selective breeding to the next level for the six main finfish species;
- IMPRESS (ITN Marie Curie) Improved production strategies for endangered freshwater species;
- COST Actions Assessing and improving the quality of aquatic animal gametes to enhance aquatic resources The need to harmonize and standardize evolving methodologies, and improve transfer from academia to industry or Aquatic gametes as model for fundamental cell motility studies.



The FFPW USB is a partner of AQUAEXCEL2020 project kicked off in October 2015. The project aims to support the sustainable growth of the aquaculture sector in Europe. AQUAEXCEL2020 comprises a large group of 22 leading European aquaculture research facilities that work towards advanced integration and standardisation of tools for aquaculture research. AQUAEXCEL2020 aims support and conduct world-class aquaculture research. One of the key aspects of the project is to provide subsidised access to its top-class aquaculture facilities as well as numerous highly pertinent services for researchers from academia and industry. AQUAEXCEL2020 will also provide training for transnational access users, aquaculture researchers, technical staff and industry stakeholders.



Q DID YOU KNOW?

- More than half of our Ph.D. students come from abroad (Europe, Asia, Africa).
- Annually, we published about 100 papers in prestigious peer review scientific journals.
- We offer English study of master degree in Fishery and Protection of Waters and PhD degree in Fishery.
- We have invested into our equipment and buildings nearly 18 million EUR within last 5 years.



BSc.:

Fishery (taught in Czech)
Protection of Waters (taught in Czech)

MSc.:

Fishery and Protection of Waters (taught in Czech and English)

Ph.D.:

Fishery (taught in Czech and English)

DEPARTMENTS

Research Institute of Fish Culture and Hydrobiology Institute of Aquaculture and Protection of Waters Institute of complex systems South Bohemian Research Center of Aquaculture and Biodiversity of Hydrocenoses



SUCCESS STORY — TECHNOLOGY TRANSFER

The FFPW USB innovated feeding technology of the common carp in ponds with higher omega 3 fatty acids. Carps are fed by special feed containing rape, extruded flax seed, cereals, soya bean, carp premix and stabilizing agents in an appropriate ratio. Flax seed, rape seed oil or blueweed oil can be added as well. The feeding technology ensures that 200 g portion of carp flesh contains nutrients as follows: 800 mg omega 3 fatty acids, of which 400 mg of highly unsaturated fatty acids, including 200 mg of eicosapentaenoic and docosahexaenoic acid. On the market, this product is known as Omega 3 carp.



Zemědělská fakulta Faculty of Agriculture

Address: Studentská 1668 370 05 České Budějovice

number of students: I 220, number of employees: I20 (academic year 2015/2016)



The Faculty of Agriculture is one of eight faculties composing the University of South Bohemia in České Budějovice. The present portfolio of the faculty fully reflects the recent European trends – to complement the primary productive function of agriculture with its non-productive ones. The broader perspective encompasses not only particular technologies, but also the context in which agriculture operates, including natural, social, economic and cultural aspects. Rural space / countryside / land-scape issues attract still growing interest as both the subject of teaching and research realized at the Faculty. Faculty orientation gives graduates possibilities being successful on the employment market as well as encourages scientific and research integration in the frame of national and international scale.





INTERNATIONAL COOPERATION AND RESEARCH

Research activities at the Faculty of Agriculture have a strong application character. Working with partners from the private sector and research institutions is the rule. It covers a whole area of science and research at the Faculty from the preparation of projects, the solution of specific problems and use of results in practice. As an example we can mention application of knowledge in cattle and pig breeding, protection of genetics resources and food quality control. Significant is the area of landscape, particularly water system, remediation of areas devastated

by mining, or monitoring of nuclear power plant impact on the environment.

The most significant projects are solved within the framework of the COST, KONTAKT and ERASMUS+ partnership programme. In the past dealt FP6 project EULACIAS "Breaking the spiral of unsustainability in arid and semiarid areas in Latin America using an ecosystems approach for co-innovation of farm livelihoods.



SUCCESS STORY – INTERNATIONAL RESEARCH

Faculty of Agriculture regularly co-organizes summer schools, focusing on sustainable agriculture, which are attended by students from all over Europe.

PhD. students of the Faculty of Agriculture regularly perform professional internships in foreign partners (e.g. USA, Argentina, Vietnam, Kenya, New Zealand).





SUCCESS STORY – TECHNOLOGY TRANSFER

Faculty of Agriculture logs annually at the Industrial Property Office a series of patents, utility models and other applied outputs. The application sector subsequently concluded a license agreement to commercially exploited results. Worth mentioning is foliar nutrition preparation for plant nutrition NanoFyt Si or syrup from the berries of the elderberry containing natural antioxidants.



We developed managing electronic system for dairy farming. The system was built as a model for dairy farming with the classic parlour created in collaboration with company Agrosoft.

Q DID YOU KNOW?

- Faculty of Agriculture is awarded the "Excellent Organization" by the EFQM Excellence Model.
- Students can make experiments in both conventional and organic small plot experiments research areas.
- Faculty use its own research brewery.

DEGREE COURSES

BSc.:

Agroecology

Agribusiness

Biology and protection of "hobby" organisms

Land adjustment and real estate (Trade)

Agricultural biotechnology

Sustainable systems in agricultural land)

Agriculture

Agricultural technology, marketing and services

Zootechnics

MSc.:

Agroecology

Agribusiness

Biology and protection of "hobby" organisms

Land adjustment and real estate Trade

Agricultural and transport machinery

Agricultural engineering

Agricultural biotechnology

Zootechnics

Ph.D.:

Applied and landscape ecology

General plant production

General zootechnics

Plant production

Animal husbandry

Agricultural biotechnology

Agricultural chemistry

Zoohygiene and prevention of livestock diseases

DEPARTMENTS

Agricultural machinery and services

Agroecosystems

Animal husbandry sciences

Applied chemistry

Biological disciplines

Landscape management

Plant production

Quality of agricultural products



Mendel University in Brno

Address: Zemědělská 1/1665 613 00 Brno www.mendelu.cz





Faculty
of Forestry
and Wood
Technology

Faculty
of Business
and Economics







Address: Zemědělská I/1665 613 00 Brno

number of students: 10 200, number of employees: 1 200 (academic year 2015/2016)



The Faculty of AgriSciences was founded over 95 years ago. We endeavour to deliver the best education and teach the most useful skills for practical use in the agricultural and food industry. Several new facilities have been built to create an even better teaching environment. According to their specialisation, students have hands-on experience in the food technology pavilion with its start-to-finish meat or dairy production and complete bakery, experimental breweries and others. The zoology department offers modern teaching premises including an ossarium, an autopsy room, and for instance large water tanks for warm and cold water fish. Other students have the use of large glasshouses with phytotrons, well-equipped workshops for mobile technology and a bio-gas station to name just a few. As it is important to see the reality beyond theoretical information, students take field trips to visit farms among others our own farm in Žabčice.



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INTERNATIONAL COOPERATION AND RESEARCH

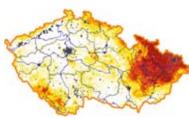
Horizon 2020 (RP215001, 115844 FILODIAG, EUR 361,750 from 1/2/2015 to 31/1/2017, Ultra – Fast Molecular Filovirus Diagnostics (FILODIAG), coordinator: GNA Biosolutions GmbH (Germany), provider: Innovative Medicines Initiative 2 Joint undertaking, prof. RNDr. Vojtěch Adam, Ph.D.

COST MŠMT (LD14020), from 1/1/2014 to 31/12/2016, CZK 0.551, Options for Terrestrial Remote Sensing for Ascertaining Actual Evapotranspiration of Select Field Crops, prof. Ing. Zdeněk Žalud, Ph.D.

7RP (7AMB14SK033), from 1/1/2014 to 31/12/2015, CZK 0.050, Research into Control Parameters in Bionic Systems of Safe Biomass and Waste Energy Transformation, Ing. Tomáš Koutný.

Leonardo (RECDEV), from 1/1/2014 to 31/12/2016, CZK 0.507, Leonardo da Vinci Multilateral Projects for Development of Innovation, Ing. Bohdan Stejskal, Ph.D.

Hormonal modulations of plant responses to environmental cues and their projection into plant growth and development represent key activities of **CEITEC MENDELU** necessary for sustainability of agricultural production under rapidly changing climate conditions.



In cooperation with the National Drought Mitigation Centre (Nebraska, USA) we developed a system (www. intersucho.cz) for monitoring and forecasting agricultural drought in a 500x500m space grid for the Czech and Slovak

Republics. The number of users is of the order of thousands.

We have taken part in Resumption of Plant Production in Semiarid Regions of Northern Gobi project under the Patronage of Czech Ministry of Agriculture aimed at researching the Dornogobi area in Eastern Mongolia to find sources of water and suitable farming land. This project resulted in a fully-functional farm with facilities for processing and preserving plant products.



SUCCESS STORY - TECHNOLOGY TRANSFER

Under a Czech government project (TAČR), the Faculty contributes to improving the competitiveness of Czech food-producing and related industries setting up trends in strategic specialisations.

Coloured wheat "PS Karkulka". We breed and test coloured wheat that generates natural colours in the caryopsis, primarily antokyans and carotenoids. They are suitable for the manufacture of wholesome foodstuff that apart from nutritional value has a positive effect on the consumer's health (the antioxidant effect).

We are the first research institution focusing on the analysis of medicinal marijuana. We have built a unique medicinal marijuana grow system that fully complies with the Czech legislative conditions and requirements imposed by the Dutch partner, Bedrocan Beheer company.



Q DID YOU KNOW?

- All you need to study can be found in a single campus (all in one).
- We actually have two experimental breweries, bake our own breads and produce meat products.

DEGREE COURSES

BSc.:

Agribusiness Land Consolidation and Soil Agricultural Machinery Molecular Biology and Biotechnology Agroecology Plant Production Plant Protection

Waste Management

Animal Breeding Food Technology General Agriculture

MSc.:

Agribusiness Fishery and Hydrobiology Agricultural Engineering (also in ENG) Food Quality and Safety

Agricultural Machinery Food Technology

Horse Breeding and Rural Tourism Agroecology Plant Biotechnology Animal Biotechnology **Animal Breeding** Plant Production Animal Nutrition Plant Protection Automobile Transport Rural Development

Ecotrophology Waste Technology and Management

Ph.D.:

Agricultural Chemistry (also in ENG)

Agricultural Technology and Machinery (also in ENG)

Applied and Landscape Ecology (also in ENG)

Applied Animal Breeding

Applied Bioclimatology (also in ENG)

General Animal Breeding (also in ENG)

General Plant Production (also in ENG)

Molecular Biology and Genetics of Animals (also in ENG)

Plant Anatomy and Physiology (also in ENG)

Plant Protection

Properties and Processing of Agricultural Materials and Products

Special Plant Production (also in ENG) Structural Biology (also in ENG)

Waste Technology

DEPARTMENTS

Department of Agrochemistry, Soil Science, Microbiology and Plant Nutrition

Department of Agrosystems and Bioclimatology

Department of Applied and Landscape Ecology

Department of Plant Biology

Department of Chemistry and Biochemistry

Department of Animal Breeding

Department of Molecular Biology and Radiobiology

Department of Morphology, Physiology and Animal Genetics Department of Crop Science, Breeding and Plant Medicine

Department of Technology and Automobile Transport

Department of Food Technology

Department of Animal Nutrition and Forage Production

Department of Agricultural, Food and Environmental Engineering

Department of Zoology, Fisheries, Hydrobiology and Apiculture

CEITEC MENDELU



Address: Zemědělská 3, 613 00 Brno

number of students: 1757, number of employees: 301 (academic year 2015/2016)



The Faculty of Forestry and Wood Technology at Mendel University in Brno (FFWT MENDELU) is one of the major university teaching institutions in the Czech Republic, concentrating on research and academic activities in the areas of arboristics, furniture design and furniture technology, forestry, landscaping, timber structures and wood building construction, wood technology and timber management and furniture design on bachelor, master and doctoral levels, and in research and expertise in the respective fields. Our mission is to facilitate education, to support scientific research and to nurture creative ecologically sound activities related to land, forests, wood and interior with an emphasis on ecology and aesthetics. Our faculty is a part of the Mendel University in Brno, a public university whose tradition dates back to 1919.





INTERNATIONAL COOPERATION AND RESEARCH

The Faculty of Forestry and Wood Technology as a partner in international research consortia involved in solving excellent European research programs as an example Horizon 2020 or programmes supporting trans-national cooperation e.g. COST Action, Visegrad Funds, etc. The Faculty gets the most resources from the EEA Grants and the Czech Development Agency. The most important current project includes project Horizon 2020 EMPHASIS (Contract no. 634179). EMPHASIS's

overall goal is to provide integrated response measures to Predict, Prevent and Protect European agricultural and forestry sectors and natural ecosystems from native and alien pest threats. Other major projects include projects solved for the Czech Development Agency in Ethiopia and Zambia, which deal with the use of water resources for sustainable agricultural production, remediation and reclamation of degraded lands and providing fodder for milch cattle of small farmers.



We offer master programme European Forestry and master programme Forestry and Landscape Management (double degree with Lapland University in Finland).

We cooperate with more than 90 universities in Europe.





SUCCESS STORY - TECHNOLOGY TRANSFER

Our faculty has first wood research centre in the Czech Republic. We have developed new software for calculation and evaluation of low capacity roadways, which can also propose optimal solution to project architects.



Q DID YOU KNOW?

- All you need to study can be found in a single campus (all in one).
- We offer 52 courses fully taught in English.

□ DEGREE COURSES

Forestry (courses of study Forestry, Management of Natural Resources in the Tropics and Subtropics)

Furniture Design

Furniture Design and Furniture Technology

Landscaping

Timber Structures and Wood Building Construction

Wood Technology and Timber Management

Arboriculture

MSc.:

European Forestry

Forest Engineering

Furniture Design

Furniture Engineering

Landscape Engineering

Wood-Working Engineering

Timber Structures and Wood Building Construction

Ph.D.:

Applied Geoinformatics

Renewable Resources Economics and Management

Forest Ecology

Forest Phytology

Forest Management

Forest Protection

Game Management

Landscaping and Landscape Conservation

Furniture Technology

Silviculture

Technology and Mechanization in Forestry

Wood Processing and Timber Technology

Constructions for Forestry and Landscape Engineering

DEPARTMENTS

Department of Forest Management and Applied Geoinformatics

Department of Geology and Soil Science

Department of Forest and Forest Products Technology

Department of Forest and Wood Products Economics and Policy

Department of Forest Botany, Dendrology and Geobiocoenology

Department of Forest Ecology

Department of Forest Protection and Wildlife Management

Department of Furniture, Design and Habitation

Department of Landscape Management

Department of Mathematics

Department of Silviculture

Department of Wood Processing

Department of Wood Science



Address:

Zemědělská 1,613 00 Brno

number of students: 3000, number of employees: 120

(academic year 2015/2016)



Faculty of Business and Economics is a modern and constantly developing school, which follows trends in education and research. It offers both economic and IT study programmes at all three levels of university education in Czech and in English. There are nearly 4,000 applicants on average each year. In 2011–2015 FBE was evaluated as the best business school in Moravia and the 3rd best business school in the Czech Republic.





INTERNATIONAL COOPERATION AND RESEARCH

The research focus of faculty can be grouped into these basic areas:

Socio-economic problems of modern society in the context of regional and national economic policies

Harmonization and coordination of tax systems in the EU

ICT and methods for monitoring and assessment of environmental changes as a tool for the promotion of bio-economic innovation and process control

Since it is currently putting emphasis on interdisciplinary nature of research, the faculty created several research teams linking the various industry-specific institutes. Our researchers participated on number of national or international projects including FP7, Horizon 2020, Nordic funds, etc.



The "Commerce communication" specialization is offered at master's level. Students like it even though it is one of the more demanding. It requires not only study effort, but also work on real practical projects, mostly in cooperation with non-profit and public funded organizations. The emphasis is put on teambuilding. Courses forming this specialization (Brand building, Public relations and Media strategy) focus on current trends in marketing communication. "It was great that we had also lectures of professionals", says one of the alumni. Most of the students find their employment before they finish their studies and we are pleased that many of them find courage to start their own business and they are doing well.



SUCCESS STORY - TECHNOLOGY TRANSFER

Some of our computer science students know that just a diploma is not enough and they manage to pass three network academies offered at Faculty of Business and Economics (Cisco, Juniper, MikroTik). Department of Informatics saved them hundreds euros which they would pay for these professional certificates. With these certificates, they can find employment much easier. Some companies consider them more important than university diploma itself. Thanks to very well equipped laboratory, our students are at the top of the range.



Q DID YOU KNOW?

- 95 percent of our students find job within 5 months after graduation.
- 9/10 CULS students were satisfied with their courses.



DEGREE COURSES

BSc.:

Economics and Management – Business Economics and Management

MSc.:

Economics and Management – Business Economics and Management

System Engineering and Informatics – Economic Informatics

Ph.D.:

Economics and Management – Business Economics and Management

Systems Engineering and Informatics – Economic Informatics Public Policy and Administration - Finance

DEPARTMENTS

Department of Economics

Department of Business Economics

Department of Management

Department of Statistics and Operation Analysis

Department of Accounting and Taxes

Department of Marketing and Trade

Department of Informatics (Department of IT and Computer

Department of Law and Social Sciences

Department of Finance



Address: Valtická 337 691 44 Lednice

number of students: more than 1 100 number of employees: 60 highly qualified lecturers (academic year 2015/2016)



ABOUT US

The Faculty of Horticulture, based in Lednice is an institution with the longest tradition of horticultural research and education in the



INTERNATIONAL COOPERATION AND RESEARCH

Research covers the technologies used to grow fruit and grapevine, vegetables, medicinal plants and ornamental species. It comprehensively covers the evaluation of taxa, varieties and hybrids, the maintenance and use of gene pool collections of fruit, vines and special plants, as well as agro-technical requirements, post harvest technology, the quality of horticultural products and production systems and on analyses of the composition of wine. An important area of research is the application of genetics and molecular methods in breeding and cultivating horticultural plant species. From Landscape Architecture point of view is research focused primarily on developing landscape architecture methods and tools for the application of cultural, artistic and historical contexts in the development of the urban and rural environment.

COST: Application of next generation sequencing for the diagnosis of viruses and virus-like diseases of grapevine (2015–2017)

Development of a reliable system for detection and quantification of pathogens evoking GTD and GTD survey in the Czech wine regions (2014-2017).

Vitivinicultural wastes valorisation for biologically active compounds (2014-2016).

CONTACT: Development of methods and study of stress metabolism and genomics in China and the Czech Republic (2012-2015);

Czech Republic. We offer an exclusive opportunity to develop oneself in the unique environment of the cultural agricultural landscape of Lednice-Valtice, a UNESCO World Heritage Site.

We have an extensive team of experts specialising in floriculture, fruit growing, nursery management, viticulture and enology, floristry, horticultural machinery, processing and postharvest technology, refrigeration and storage. We could also not do without our authorised landscape architects, ecologists, landscapers and urban planners.

As a part of our current study programmes we prepare specialists in production and ornamental horticulture, processing of horticultural products, quality of plant food sources, landscape architecture and viticulture and enology.

From research point of view the main topics are evaluating the impact of drought on plants through analysis of the nutritional quality of horticultural crops and products to the breeding of new varieties, developing new foods or use of mycorrhizal fungi to increase productivity in horticulture.

Czech-Chinese scientific and research cooperation in cultivation and introduction of the Prunus variety (2010-2013).





In 2013 the Landscape Architecture study programme received international accreditation from EFLA (European Federation for Landscape Architecture).

In 2015 the international joint degree study programme was accredited among three countries (Poland, Slovak and Czech Republic).



SUCCESS STORY – TECHNOLOGY TRANSFER

Mixture of saturated fatty acids and its use for inhibition of alcoholic or malolactic fermentation and dose reduction of sulphur dioxide in winemaking technology. Patent No. 303556.



Q DID YOU KNOW?

- Gene pool collection of horticultural crops contains more than 1,300 varieties.
- We are the only faculty in the Czech Republic providing full university education in Landscape Architecture.
- Most of the vintners and winemakers in the Czech Republic and Slovakia are graduates from the MENDELU Faculty of Horticulture.



March Degree Courses

BSc.:

Viticulture and Wine-growing

Quality of Plant and Food Products

Landscape Realization

MSc.:

International Master of Horticulture Science

Ph.D.:

DEPARTMENTS

Pomology

Viticulture and Enology

Horticultural Machinery

Breeding and Propagation of Horticulture Plants

Post-Harvest Technology of Horticultural Products

Planting Design and Maintenance

Garden and Landscape Architecture

Landscape Planning

Mendeleum - Genetics and Plant Breeding Institute



Address: třída Generála Píky 2005/7 613 00 Brno – Černá Pole

number of students: I 218, number of employees: 86 (academic year 2015/2016



The Faculty of Regional Development and International Studies (FRDIS) was founded in 2008. We intended to offer a completely new type of study programme preparing specialists to be able to solve problems in agricultural and socially developing regions. The idea of the faculty is to offer students complex education - not only theoretical lessons, but also practical skills which are so much requested these days.

Nowadays FRDIS MENDELU offers Bachelor and Master programmes. Four study programmes are taught in Czech and four in English language. At the Faculty Czech and foreign students and teachers often meet with each other. The selected subjects are taught by experienced foreign lecturers from all over the world. A huge advantage is the possibility to participate in an internship abroad where students gain practical skills. Within the exchange stays the faculty cooperates with many prestigious European and world Universities.





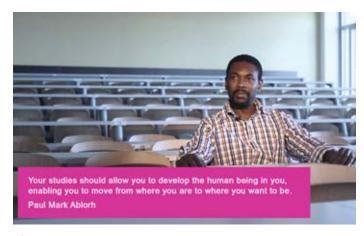
INTERNATIONAL COOPERATION AND RESEARCH

The project "EcoFairTrade – an innovative approach to integrate the right to food to the university lectures in Europe" (EuropeAid; 1/3/2013 – 29/2/2016) aims to develop training modules covering human right to food into the university curricula.

The aim of the project "Improvement of professional competences of students of bachelor study program International Development Studies through the system of practical internships in developing countries" (CZ.1.07/2.2.00/28.025; 01/12/2011 – 31/12/2014) is to innovate the

fields of study focused on developing countries by implementing mainly scholarly internships in developing countries.

The project "Increasing awareness and propagation of functions of forests in landscape and in-nature riverbeds in urban environment as a component of ecosystem drainage basin service" (EHP-CZ02-OV-I-032-2015; I/I/2015 – 30/4/2016) focuses on the increase of public awareness of the importance and value of functions of forests and in-nature riverbeds in urban areas.



$\stackrel{ ilde{\lor}}{\lor}$ success story – international cooperation

The project EcoFairTrade – an innovative approach to integrate the right to food to university lectures in Europe is implemented in cooperation with the Heinrich Böll Foundation, MISEREOR, Mendel University and other universities in the Netherlands, Germany, Belgium and Croatia. So far the lecture series has been joined by 150 students and academics from partner universities.

Formulation and completion of four final theses related to the issue of Right to Food has been supported in 2015 (Zambia, Ghana and RSA).



Q DID YOU KNOW?

- We offer all study programmes completely in English.
- We organize students' recruitments for prospective international students offering them an opportunity to undergo an admission procedure in their own country.



BSc.:

Regional Development, International Territorial Studies (both in Czech and English)

MSc.:

Regional Development, International Territorial Studies (both in Czech and English)

DEPARTMENTS

Department of Regional and Business Economics

Department of Social Development

Department of Applied Statistics and Demography

Department of Territorial Studies

Department of Environmentalistics and Natural Resources

Department of Regional Development and Public Administration

Department of Languages

Department of Project Management

SUCCESS STORY - TECHNOLOGY TRANSFER

More than 100 students have become familiar with creation and implementation of developing projects which were verified during internships in one of selected developing areas (Ghana, RSA, Chile, Peru, Thailand, Zambia and Nicaragua) and consequently have defended results of these individual projects before an international committee.

Many individual projects developed by students in cooperation with university teachers and local NGOs have helped directly to local families and communities.





University of Veterinary and Pharmaceutical Sciences Brno

Address: Palackého třída I 612 42 Brno www.vfu.cz





FACULTY OF VETERINARY HYGIENE AND ECOLOGY



FACULTY OF VETERINARY MEDICINE



FACULTY OF VETERINARY HYGIENE AND ECOLOGY

Address: Palackého tř. 1946/1 612 42 Brno

number of students: 958, number of employees: 210 (academic year 2015/2016)



The Faculty of Veterinary Hygiene and Ecology prepares the experts in the field of food hygiene. Education of these experts is a task, which represents university educational as well as research background for the field of veterinary food hygiene in the Czech Republic and nowadays is the only so oriented veterinary educational institution not only in our country but also within Europe. The faculty provides university education in accordance with the requirements prescribed the directive 36/2005/EC, on the recognition of professional qualifications. In 2004 the Faculty underwent the second international evaluation, the result of which stated that the faculty fulfils the requirements for veterinary education prescribed by the directives of the European union and that the study programme represents an application of the "from stable to table" concept.





INTERNATIONAL COOPERATION AND RESEARCH

Scientific and research activities are based on research grants from grant agencies (especially the Grant Agency of the Czech Republic, Grant Agency of the Academy of Sciences of the Czech Republic, Ministry of Education, Youth and Sports, the National Agency for Agricultural Research and the Internal grant agency of the Ministry of Health). Since 2014 the faculty has participated in the international project HORIZON 2020. The faculty's scientific and research activities

are organized within individual teams at departments. The faculty is also successful in terms of drawing subsidies from operational programmes. The faculty is one of the key partners in the CEITEC project. The aim of the project is to create a Centre of scientific excellence in the field of biomedicine and material research, the outcomes of which shall contribute to the improvement of the quality of life and human health.



The faculty was chosen by European Commission as a training institution in the area of food law, animal health and animal welfare rules (in 2012 and 2013) - "Better training for safer food". Training is designed for all staff of competent authorities of Member States involved in official control activities so as to keep them up-to-date with all the aspects of Community law.

Since 2011, the faculty has been organizing the summer school of food hygiene. The students have the option to complete the standard education of the students of veterinary faculties by especially practical knowledge in the field of food safety.



SUCCESS STORY – TECHNOLOGY TRANSFER

Faculty realized a successful project on the basis of cooperation with the company MP Krásno, a.s. in 2013. The project concerned the development of new long-life heat-treated meat products. This cooperation helped to detect the source of spoilage (Weissella viridescens) in this group of products. It had a great significance for the field of meat processing in the Czech Republic.





Q DID YOU KNOW?

■ The university is active as a member of the European University Association, EUCEN, VetNEST, FVE and the European Union of Veterinary Hygienists through the Chamber of Veterinary Surgeons of the Czech Republic.



DEGREE COURSES

BSc.:

Food Quality and Safety Animal Protection and Welfare

MSc.:

Food Quality and Safety Animal Protection and Welfare

MVDr.:

Food Hygiene and Ecology

Ph.D.:

Food Hygiene and Processing Technology Diseases of Wild and ZOO Animals Veterinary Toxicology and Toxicology of Foodstuff Veterinary Ecology Veterinary Public Health and Animal Protection Nutrition and Dietetics of Farm Animals and Hygiene of Food and Plant Origin Veterinary Biochemistry, Chemistry and Biophysics

DEPARTMENTS

Section of Veterinary Ecology and Wildlife Diseases Department of Ecology and Diseases of Game, Fish and Bees Department of Biology and Wildlife Diseases

Section of animal and plant production Department of Animal Nutrition Department of Animal Husbandry and Animal Hygiene

Section of food hygiene and technology Department of Meat Hygiene and Technology Department of Milk Hygiene and Technology Department of Vegetable Foodstuffs Hygiene and Technology

Section of veterinary protection of public health Department of Veterinary Public Health, Animal Protection and Welfare Department of Biochemistry and Biophysics



FACULTY OF VETERINARY MEDICINE

Address: Palackého tř. 1946/1 612 42 Brno

nnumber of students: 1019, number of employees: 325 (academic year 2015/2016)



Graduates of the Faculty of Veterinary Medicine obtain complete medical education with the veterinary specialization and are fully capable to assert as private veterinarians, employees of the State Veterinary Administration of the Czech Republic, consultants and specialists in pedigree animal breeding service, in the institutes for research and diagnostic of all kinds, in agrarian and animal breeding organizations, work for pharmaceutical or insurance companies, in food processing industry, in the civil service etc.

They can also work in the field of health service, epidemiological protection, inspection, control, trade, management, ecology, hygiene etc., at high and secondary schools and universities and in other places.





INTERNATIONAL COOPERATION AND RESEARCH

Research activities of the faculty are focused on different aspects of veterinary medicine and are realized with different partners as universities, research institutes or commercial companies in the Czech Republic as well as in USA or in western European countries. Majority of research funding comes from different grant agencies (Grant Agency of the Czech Republic, Ministry of Education, Youth and Sports, the

National Agency for Agricultural Research and the Agency for medical research of the Ministry of Health). The faculty is also involved in two major research project. The first is Central European Institute of Technology (CEITEC) project with focus in biomedicine and ICRC projects focused on clinical research.



Faculty of Veterinary medicine underwent international evaluation in 2013 to defend the place at List of Evaluated and Approved Institutions by EAEVE. This result confirm that faculty fulfils the requirements of the European legislation for veterinary training and veterinary education requirements of EAEVE and FVE in accordance with Directive 2005/36/EC as regards the training of veterinary surgeons and ranges the faculty among the best Veterinary faculties in Europe.



Q DID YOU KNOW?

The faculty has a very strong and extensive English study program and is issuing diploma supplement. Foreign students can also come in the frame of Erasmus or Ceepus programmes.

DEGREE COURSES

MSc.:

Veterinary Medicine

Ph.D.:

Veterinary Medicine

DEPARTMENTS

Section of Morphology and Physiology

Department of Anatomy, Histology & Embryology

Department of Physiology

Department of Pharmacology and Pharmacy

Section of Pathobiology

Department of Pathological Morphology and Parasitology

Department of Animal Genetics

Department of Infectious Diseases and Microbiology

Section of Small Animals Diseases

Avian & Exotic Animal Clinic

Small Animal Clinic

Clinic Laboratory for Small Animals

Section of Large Animals Diseases

Equine Clinic

Ruminant and Swine Clinic

Large Animal Clinical Laboratory

SUCCESS STORY - TECHNOLOGY TRANSFER

The faculty organizes several summer schools. The most interesting are Surgical Summer School, Summer School for Exotic Medicine and Surgery and Summer school of Parasitology. The faculty also organizes stays for students at different foreign universities in Europe or United States.

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Text by:

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