

Fakulta zemědělská
a technologická
Faculty of Agriculture
and Technology

Jihočeská univerzita
v Českých Budějovicích
University of South Bohemia
in České Budějovice



a tradition
of many years

a **MODERN FACULTY**

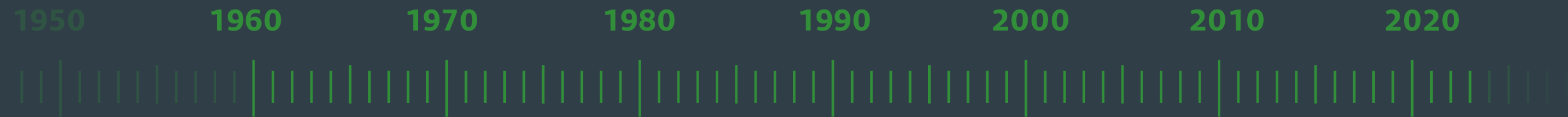
where the agricultural tradition of the
region is combined with modern
research of international renown.

„We develop technologies,
we shape nature.“



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1960

The faculty was founded as an independent school with the name **Faculty of Operations and Economic** under the auspices of University of Agriculture in Prague



1985

The name of the faculty was changed to **Faculty of Agronomy**

1991

The faculty was one of the founding faculties of the **University of South Bohemia in České Budějovice**



2016

Foundation of **Research and Educational Microbrewery**

2022

The name of the faculty was changed to **Faculty of Agriculture and Technology**



1992

The name of the faculty was changed to **Faculty of Agriculture**





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140 employees of the faculty

42 % of the employees are women

1 100 students enrolled in all
study programmes

54 % of all students are women

women belong
in science

**GENDER
BALANCE**





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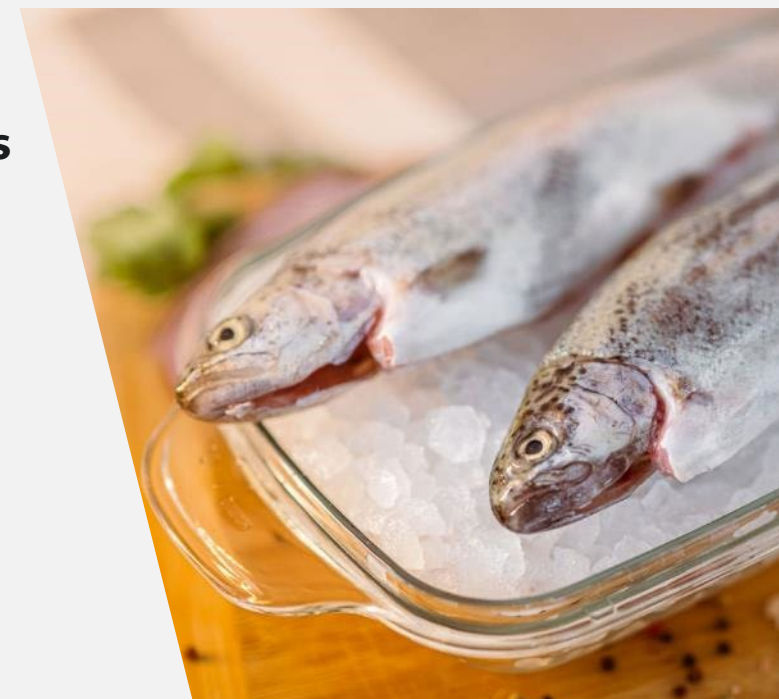
five central
topic of

SCIENCE & RESEARCH

Activities of the faculty in science and research focus on the areas of agriculture, agroecology, technics and the development of new technologies, biotechnologies, chemistry, quality and processing of agricultural products or landscape management.

The faculty co-operates intensively with the business sector in the field of consultancy and contractual research.

- 1 sustainable agriculture
- 2 agricultural biotechnologies
- 3 quality of agricultural products and foodstuffs
- 4 agriculture and the environment
- 5 agriculture and technology 4.0



the five
central topic

SUSTAINABLE AGRICULTURE

Sustainable agriculture and permanently sustainable agriculture, respectively, are two of the basic aims of the Common Agricultural Policy of the EU. It consists of adapting agricultural activities to sustainable management of natural resources and to respectful behaviour to the environment.



the five
central topics

AGRICULTURAL BIOTECHNOLOGIES

Biotechnologies are a modern, intensively developing field of study, combining biology with technologies and offering a great opportunity to innovations.

Agricultural biotechnologies, referred to as "green," biotechnologies are biotechnological methods and procedures applied to agricultural processes.



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the five
central topics

QUALITY of AGRICULTURAL PRODUCTS and FOODSTUFFS

The protection of quality of foodstuffs and of health is one of the main aims of the Common Agricultural Policy of the EU.

The quality of agricultural products yields to many characteristics of quality, be it chemical composition or nutritional, microbiological, hygienic and sensory properties



the five
central topics

AGRICULTURE and the ENVIRONMENT

The agriculture has ever since been connected to the **environment**.

The agriculture is based on the usage of natural resources on the one hand, on the other hand it is a human activity shaping the environment. The human agricultural activity in the landscape has an impact on almost all parts of the environment.



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the five
central topics

AGRICULTURE and TECHNOLOGY 4.0

Agriculture and technology 4.0 is a general designation for a concept based on application of modern digital methods in agriculture and in related applied sciences.

The new, so-called cyber-physical systems can develop due to technological progress, offering farmers new possibilities.



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applied research

RESEARCH ACTIVITY

The faculty co-operates intensively with the business sector in the field of consultancy and contractual research.

The FAT USB therefore focuses most of its research activities to **applied research** making thus a significant contribution to society.



co-operation with
partners from practice

SOME of our PARTNERS >

- ❖ AGRICO s.r.o.
- ❖ AGRIO MZS s.r.o.
- ❖ Agro, družstvo Záhoří
- ❖ Agrokomplex Šumava s.r.o.
- ❖ AGROSOFT Tábor, s.r.o.
- ❖ Arpida, Centre for Rehabilitation of Persons with Disabilities, z.ú.
- ❖ BEMAGRO s.r.o.
- ❖ ČESKÉ HOUBY a.s.
- ❖ DeLaval s.r.o.
- ❖ ENGEL Strojírenská spol. s r.o.
- ❖ Farma Otročin, s.r.o.
- ❖ GARNEA, a.s.
- ❖ HERBAVITA CZ s.r.o.
- ❖ Forests and Ponds of the City of České Budějovice Ltd.
- ❖ Meclovská zemědělská a.s.
- ❖ Ministry of Agriculture of the Czech Republic
- ❖ Prima Agri PT a.s.
- ❖ TERMS a.s.
- ❖ Výrobně obchodní družstvo Kadov
- ❖ Zemědělské družstvo Novosedly
- ❖ Zemědělské služby Dynín
- ❖ Zemko Kožlí, a.s.

and many others...





ČTYRÁK UNIVERSITY MICROBREWERY

Research and educational
microbrewery of the Faculty of
Agriculture and Technology of USB
was founded in **May 2016**.

It aims not only at providing
academic beer for the
neighbourhood but also at fostering
research and education in the field
of brewing beer. The brewery also
uses for its research activity
the national brewery
Budějovický Budvar.



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The **DRONE** **CENTRE**

The Faculty of Agriculture and Technology applies self-flying planes, the so-called drones since 2015. These are used not only in science but are also used by volunteers for field work and monitoring.

Our employees **save animals** from harvesting machines when fields and meadows are being mown.



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INTERNATIONAL EDUCATIONAL and RESEARCH CENTRE of the COMPANY DeLaval

The international educational and research centre of the company DeLaval is focused on the **automated milking of cows**.

The centre is situated in the campus of USB and it is equipped with a milking robot VMS, cca. 3 million CZK worth, which has been lent by the company for the needs of the faculty.



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CENTRE for the **BEST AVAILABLE TECHNOLOGIES** for **INTENSIVE LIVESTOCK PRODUCTION**

New **BAT technologies** in the field of protection of air, wastewater processing, processing of excrements of farm animals up to their ploughing in soil are being tested in the centre.



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LABORATORY of LIFE CYCLE ASSESSMENT

LCA studies can serve as a tool for **reducing the environmental impact** of companies, as motivational aspects in communication with the customer, as motivational tools for environmental policy (e.g., agriculture), for increasing competitiveness, or for development and research.

With the help of LCA, it is possible to compare the environmental impacts of products with regard to their function or evaluate the environmental impacts with respect to the entire product life cycle.



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studying
at the faculty

EDUCATION

The faculty has brought up thousands of professionals practicing in agriculture, state administration or academic sphere.

9 bachelor
study programmes

6 postgraduate master
study programmes

5 doctoral
study programmes

**+ many courses
of lifelong learning**



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STUDY FIELD	BACHELOR STUDY	POSTGRADUATE MASTER STUDY	DOCTORAL STUDY
Multifunctional Agriculture (taught in English)		✓ ^(F)	
Agribussines	✓ ^{(F)(C)}	✓ ^(F)	
Agricultural Biotechnology	✓ ^(F)	✓ ^(F)	✓ ^{(F)(C)}
Agricultural Machinery and Technology	✓ ^(F)	✓ ^(F)	✓ ^(F)
Agriculture	✓ ^{(F)(C)}	✓ ^(F)	✓ ^{(F)(C)}
Agroecology	✓ ^{(F)(C)}	✓ ^{(F)(C)}	✓ ^{(F)(C)}
Animal Husbandry	✓ ^(F)	✓ ^{(F)(C)}	✓ ^{(F)(C)}
Handling and Transport Engineering	✓ ^(F)		
Manufacturing Technology	✓ ^(F)		
Land Adjustments and Real Estate Trade	✓ ^(F)	✓ ^(F)	
Quality and Processing of Agricultural Products		✓ ^(F)	



660 students in bachelor
study programmes

320 student in postgraduate
master study programmes


120 students in doctoral
study programmes

47% of successfully completed
studies at the faculty



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Let's discover
the world together

INTERNATIONAL COOPERATION

The FAT USB has been taking part in research in co-operation with other research departments all over the world in recent years.

The international co-operation networks established by the FAT provides students with the opportunity to travel to **research workplaces of excellence** in interesting destinations where they can further foster their knowledge and skills.



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meet

FACULTY MANAGEMENT



doc. RNDr. Petr Bartoš, Ph.D.
dean of the faculty



PhDr. Marek Šulista, Ph.D.
vice-dean
for international relations



doc. Ing. Jan Bárta, Ph.D.
vice-dean
for science and research



Ing. Andrea Bohatá, Ph.D.
vice-dean
for accreditations and quality management



Dr. Ing. Jaromír Kadlec
vice-dean
for students affairs



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are you interested
in more detail?

**GET in
TOUCH** 

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