



Josip Juraj Strossmayer University of Osijek

# Faculty of Agrobiotechnical Sciences Osijek



# Why should you enroll into the Faculty of Agrobiotechnical Sciences Osijek?

- we possess a reputation and tradition
- we facilitate your involvement in research activities
- the students are in the center of our teaching and scientific work
- we respect an identity and individuality and take care about each student while applying the highest academic and professional standards
- our curricula are harmonized with the employers' needs and with the labor market
- knowledge is our main reliance
- we develop systematicity, working habits, and working responsibility in our students
- we offer a modern theoretical and practical education
- we have the lecture rooms, laboratories, and classrooms excellently equipped with the modern teaching aids
- we monitor the students' progress and facilitate the excellent ones to participate in a scientific-research work and collaborate with the business entities in the field of agriculture
- we develop a national and international cooperation
- we provide a possibility to conduct a research in the domestic and foreign projects
- we involve our students in numerous activities and in the operations of student associations.





# An Advantage of Studying at the Faculty of Agrobiotechnical Sciences Osijek

- a modern, comfortable teaching and research infrastructure in a new campus edifice
- numerous superiorly equipped laboratories and a large number of research and professional projects that provide the students with a unique opportunity to acquire laboratory experiences and analytical skills
- an ideal faculty-to-student ratio that facilitates an efficacious and interactive teaching process
- versatile teaching forms, implying the lectures, seminars, project exercises, presentations, auditory practica and field and laboratory practica, enable the students to acquire various experiences and an extensive knowledge
- a high degree of integration concerning the scientific disciplines, an interdisciplinary teaching, and research activities, from mathematics and informatics, via chemistry and biology, economics, and sociology, to the farm management, healthy food production of one's own, environmental protection and biodiversity
- an opportunity to be granted a national scholarship in the STEM area
- an international mobility via Erasmus+, CEEPUS, and IAESTE student exchange programs
- a collaboration with the economy, in collaboration with the nature
- participation in sports competitions, Science Festival, Doctorates Day, Careers Day, promotions and other extracurricular contents, with a very agile Student Council and student associations.



# About the Faculty

The Faculty of Agrobiotechnical Sciences Osijek was established on October 18, 1960 under the title of the Higher School of Agriculture. In addition to teaching in the Undergraduate and Graduate University Study Program, Undergraduate Professional Study Program, and in the Postgraduate Study Programs, the Faculty's main activity is also represented by a scientific-research work, primarily in the academic field of Biotechnology, academic discipline of Agronomy. Human resources constitute the highest Faculty's potential, with more than 240 employees, mostly the highly educated individuals. More than 1,500 students attend the Faculty.

## Infrastructural capacity

- 127 offices
- 43 laboratories
- 27 practica
- eight lecture rooms
- three aulas
- Faculty's demonstrational-educational Experimental Sites:
  - Mandićevac (3 ha)
  - Tenja (55 ha)
  - Antunovac (8 ha)
- Lifelong Learning Center

# Education

Pursuant to the Bologna Declaration, the Faculty of Agrobiotechnical Sciences Osijek organizes and performs the university study programs in the three educational cycles: an Undergraduate Study Program, a Graduate Study Program, and a Postgraduate Doctoral Study Program.

- The education in the Undergraduate Professional Study Program and in the Undergraduate University Study Program lasts for three years, accumulating 180 ECTS credits, and for two years in the Graduate University Study Program, accumulating 120 ECTS credits.
- The study programs are harmonized with the ECTS. The practica in the Undergraduate University Study Program are represented by 5% out of the overall ECTS credits earned. In the Undergraduate Study Professional Program, the student practica are represented by 28% concerning the overall ECTS credits earned.
- During their studies, the students perform the practica, lasting for 10 working days, at the Faculty's Experimental Sites and in the economic entities and institutional services.
- The students of the Undergraduate Professional Study Program and of the Undergraduate University Study program may pursue their studies at the Graduate University Study Program.

The students may enroll into the Study Program in Agriculture and study in one of the five fields of studies of the undergraduate university study programs, or they may enroll into one of the four undergraduate professional study programs lasting for three years. In addition to the undergraduate study programs, the Faculty of Agrobiotechnical Sciences Osijek performs the teaching activities in 13 graduate study programs/fields of studies lasting for two years (three graduate study programs with nine fields of studies and four graduate study programs without the fields of studies specified).



## **Undergraduate University Study Program in Agriculture, Fields of Studies in:**

Agriculture - programs

1. Agroecconomics
2. Plant production
3. Horticulture
4. Mechanization
5. Zootechnics

## **Undergraduate Professional Study Program in Agriculture, Fields of Studies in:**


Agriculture - programs

1. Agricultural Entrepreneurship
2. Plant Production, Field of  
Studies in Farming
3. Mechanization in Agriculture
4. Zootechnics

## **Graduate University Study Program**

1. Agroecconomics
2. Plant production
  - 2.1. Crop Production
  - 2.2. Plant Nutrition and Soil Science
  - 2.3. Plant Breeding and Seed Production
  - 2.4. Plant Protection
3. Organic Agriculture
4. Mechanization
5. Olericulture and Floriculture
6. Fruticulture, Viticulture and Viniculture
  - 6.1. Viticulture and Viniculture
  - 6.2. Fruticulture
7. Zootechnics
  - 7.1. Domestic Animal Nutrition
  - 7.2. Hunting and Apiculture
  - 7.3. Special Zootechnics



A stylized graphic of a leaf or plant branch, rendered in white and light blue, positioned on the right side of the page. It features several pointed, overlapping shapes that suggest the structure of a plant or a leaf.

For many years, the Faculty of Agrobiotechnical Sciences Osijek has performed the Postgraduate University Doctoral Study Program in Agricultural Sciences, with eight Fields of Studies (**Agroeconomics, Agrochemistry, Animal Nutrition and Forage Technology, Hunting and Cynology, Plant Breeding and Seed Science, Cattle Breeding, Technical Systems in Agriculture and Plant Protection**), representing the highest level of science integration at the Faculty and the most significant contribution in a scientific-educational sphere of its scientific activity.

Having the postgraduate study program completed, a student earns 180 ECTS credits. Subsequent to the completion of the study program and a successfully defended doctoral dissertation, the student is bestowed the academic title of a Doctor of Sciences.

The Faculty of Agrobiotechnical Sciences Osijek performs five postgraduate specialist study programs based upon a knowledge in agriculture in various domains.

The Postgraduate Specialist Study Program in the **Quality and Safety of Animal Products, Production Systems in Cattle Production, Pig Breeding and Farm Management** last for three semesters (1.5 years) and an attendee earns 90 ECTS credits upon their completion, while the Postgraduate Specialist Study Program in **Plant Protection** lasts for four semesters (two years) and an attendee earns 120 ECTS credits upon its completion. Subsequent to the completion of the study program and a successfully defended specialist thesis, a student acquires the academic title of a University Specialist, with an indication of profession or of a part of profession pursuant to the study program title.



# The Possibilities to Carve Out a Career

Subsequent to a completed undergraduate university study program and of a professional study program, the bachelors are qualified for work and may pursue one of the following occupations::

- a farm production manager
- associates in the affairs concerning the commerce and movement of agricultural equipment and products or in the companies producing, selling, or deploying the agricultural machinery, apparatuses, and equipment, irrigation and drainage systems and processing and refinement capacities
- operational managers in the domain of Plant Protection on the farms, in agricultural pharmacies, national and county-based inspectorates and in agricultural companies.

Subsequent to the completion of a graduate study program, a student is qualified for the following:

- farm management
- operation in laboratories for a microbiological foodstuff control
- performance of the affairs concerning an on-farm plant protection
- a technologist in the production of fruits, vegetables, ornamental plants, wine, primary production and meat and milk processing
- operation in a nursery and seed production pertaining to the horticultural species
- work in the inspectorates and the advisory bodies of national and local administration
- planning and mechanization manipulation in all the production activities
- production operationalization on a farm
- work in the piscatorial and hunting organizations
- teaching performance in the vocational high schools and at the universities of applied sciences
- participation in a research work in the national institutes, faculties, and colleges of higher education.



# Scientific-Research Activity and Publications



The Faculty participates in the projects with the following entities:

- Ministry of Agriculture
- Ministry of Science and Education
- Ministry of Environmental Protection
- scientific-research institutes
- development agencies
- production organizations
- private sector
- EU
- NGOs.

Numerous domestic and international scientific gatherings are annually organized at the Faculty (congresses, symposia, workshops, courses, etc.) to disseminate the research results, find the adequate professional and scientific solutions, develop the new projects and establish an environment for knowledge exchange.

The Faculty publishes the ***Poljoprivreda*** journal, indexed in the following databases: WoS, Scopus, CAB, DOAJ and Hrčak. The journal publishes the papers in all the fields of agronomic science and profession, as well as the reviews of the new university textbooks. Additionally, the Faculty publishes the books, papers, and presentations with an objective to disseminate the results of its scientific research. Also, the Faculty publishes the textbooks, notes, brochures and other printed materials dedicated to the students, agricultural producers, and the public.

# Our Students' Experiences



## **Matej Sedlar, mag. ing. agr., Ivan Sedlar Agricultural Trade**

*Retrospecting the completed Graduate Study Program in Plant Production, Field of Studies in Crop Production, I may say that my impressions are extremely positive. Having worked in an agricultural production prior to, during, and subsequent to my studies, I clearly realize that my studying at the Faculty of Agrobiotechnical Sciences Osijek (then the Faculty of Agriculture in Osijek) has capacitated me to comprehend when, how, and why I do something, and that is crucial for a successful agricultural production. Additionally, I more easily solve the quotidian unpredictable situations thanks to a logical conclusion and critical thinking, which I have acquired during my studies. Because of that, I am increasingly grateful to my professors for the knowledge they have transferred to me, to their infinite patience, and affability. Thus, I would cordially recommend an enrollment into the Faculty of Agrobiotechnical Sciences Osijek to all the high schoolers that have established or are planning to establish a contact with agriculture in any sense and a discovery of all the secrets and beauties of agriculture.*







***Ivana Franjić, mag. ing. agr., Associate, Independent Service for Nonobligatory Demarcation Systems and the Promotion of Croatian Agri-Food Products, Croatian Agricultural Agency***

*Subsequent to the completion of the Graduate University Study program in Agroecconomics at the Faculty of Agrobiotechnical Sciences Osijek (then the faculty of Agriculture in Osijek), I may say that I am very satisfied with the acquired knowledge and a student life period I have spent with my colleagues and affable professors.*

*Shortly after graduation, I have been employed with the Croatian Agricultural Agency, an institution that performs a series of affairs in agriculture in the Republic of Croatia, aimed at the development and improvement of cattle production, including a marketing promotion related to the agricultural production.*

*I have been especially satisfied by the knowledge and skills I have acquired studying Agroecconomics, for I presently actively participate in the implementation of a demarcation system pertaining to the domestic agri-food products, with an objective to inform a consumer about a product origin, and in various promotional campaigns that aim to send the consumers a clear message that they should buy the domestic fresh products with a proven origin.*

*Every day, I confront various situations and business challenges, whose surmounting is alleviated by the knowledge and experiences I have acquired during my studies.*

*Therefore, I confirm to all the high schoolers who are puzzled what an institution to enroll into and what pathway to choose that they will not make a mistake selecting the Faculty of Agrobiotechnical Sciences Osijek. With a wide spectrum of interesting courses and outstanding professors, they will acquire a necessary knowledge and skills to operate in the agricultural sector that awaits a prosperous future.*



## **Josipa Jović, mag. Ing. Agr., Soil Laboratory Manager, Inspecto Ltd.**

*I am a Master of Science in Agronomy subsequent to the completed Graduate Study Program in Organic Agriculture at the Faculty of Agrobiotechnical Sciences Osijek (then the Faculty of Agriculture in Osijek). If I remember my student days, I may emphasize, in addition to the knowledge acquired, that I am especially grateful for the attained working abilities related to the operation in an analytical laboratory, predominantly with regard to the skills pertaining to the implementation of analytical laboratory methods, and for a capability to handle the modern laboratory equipment responsibly. During the studies, I have additionally developed my organizational and teamwork dexterities via practica and the field experiments conducted. Equipped by the skills acquired during the studies, I have rapidly found a job post in my profession and have realized how much an active participation in Faculty obligations has assisted me in a successful adaptation to a new working surroundings. I have been employed with the Inspecto Ltd. as a Soil Laboratory Manager. I have never ever closed my Faculty's doors, for the approachable professors, Teaching Assistants, and numerous associates and non-teaching staff still render me their assistance. If I could choose again, I would have selected the FABSOU. It is easy to study something you like. Therefore, be brave and step the well-threaded paths.*



## **Marko Lađarević, mag. ing. agr.**

*In the Graduate Study Program in Zootechnics, Field of Studies in Special Zootechnics, I have acquired an extensive knowledge and a wide spectrum of professional skills and capabilities, so I have been employed with the Dukat Dairy Industry LLC in my capacity as a Subcontractor Development Technologist in the farmgate milk operations subsequent to the completion of the aforementioned Study Program.*

*I have acquired the extremely positive experiences with the professors and all the other employees of the Faculty of Agrobiotechnical Sciences Osijek (then the Faculty of Agriculture in Osijek). The quantity of theoretical and practical knowledge that the adduced experts from the Graduate University Study Program in Zootechnics transfer to their students is truly impressive, but I also have to emphasize the adduced professors' professionalism and patience, for they were always unconditionally placed at a disposal of their students, so I may say that the enrollment into the Faculty of Agrobiotechnical Sciences Osijek was the right choice for me. I would also like to emphasize the extremely positive experiences with the professors from the Field of Studies in Agroecconomics, which I attended as an undergraduate student, and with the employees of the Tera Tehnopolis Technological-Developmental Center.*

*The very fact that I joyfully recollect “my Faculty” after several years is self-evident, so I may eventually conclude that I have truly found myself in the abovementioned profession, in which I have continued to work subsequent to the completion of my Faculty-based education.*



Erasmus+



# International cooperation

- a versatile and intensive international cooperation with more than 80 universities and institutions worldwide
- more than 120 incoming mobilities per year
- memberships in the international and professional organizations worldwide
- EU project implementation: Erasmus+, Horizon 2020, Interreg, COST Actions, etc.
- research and scientific activities (congresses, conferences, symposia, workshops).

## **Student and staff exchange programmes:**

- Erasmus+ (more than 80 signed mobility contracts with the congenial institutions)
- CEEPUS (an active participation in four networks)
- IAESTE (an annual incoming mobility)
- bilateral agreements (mobilities dependent on an individual agreement stipulations).





# Social activities

- sports activities (basketball, handball, soccer, table tennis)
- social and cultural activities (FABSO radio and TV, EKO klub Association)
- FABSO Student Council (organization of students' fora, debates, workshops and students' extracurricular activities).





CONTACT

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