



D.T. 2.1.4 COMPANY INFOSHEET

HUNGARIAN UNIVERSITY OF AGRICULTURE
AND LIFE SCIENCES

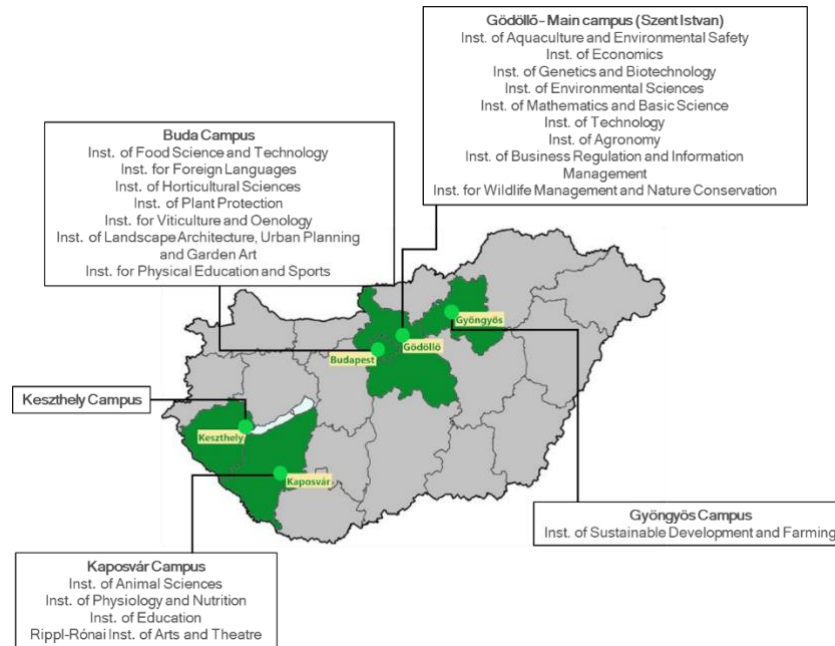
Version 1



Gödöllő Campus of the MATE Hungarian University of Agriculture and Life Sciences



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Location of the Campuses and Institutes of the MATE Hungarian University of Agriculture and Life Sciences

Former Szent István University - Gödöllő, Hungary has been changed to MATE Hungarian University of Agriculture and Life Sciences and it has been operating under this name as a non-profit private higher education institution since 1st February 2021.

Our institution, together with several other Hungarian universities, participates in the renewal of Hungarian higher education in accordance with Government Decision 1785/2016. (XII.16.) on the adoption of the "Change of Pace in Higher Education Medium-Term Policy Strategy 2016". This process reached a decisive milestone on 1st February 2021, when the integration of higher education and research at our university was completed by the integration of eleven research institutes and several business organizations, and the new foundation model of maintaining came into being.

The new name expresses the complete renewal of the institution, which has been in line with international and domestic tendencies, as well as with the priorities indicated unanimously by the leadership of the University. MATE Hungarian University of Agricultural and Life Sciences is a name of striking the balance between tradition and progress. It respects traditions as it is based on the former name of Hungarian University of Agricultural Sciences, it highlights the institution's national attachment and it also shows a broader perspective in accordance with international trends.



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The backbone of the new university infrastructure is provided by our prominent campuses where our professional teaching staff and a unique green environment make the students feel welcome.

Buda, Gödöllő, Gyöngyös, Kaposvár and Keszthely Campuses offer constantly renewed degree and training programmes and make significant investments in order to strengthen their ties to international higher education.

We consider lessons learned from the most successful European universities and we combine our traditions with the solutions of modern ages. Our long-term objective is to make MATE one of the thirty best agricultural higher education universities in the world.

MATE in figures:

- No. of institutes: 21
- No. of students: 16 522 (including students in the correspondence and distance-learning trainings) - with active status: 13.517
- No. of international students: 2234 (active status: 1879) from 102 countries! International student ratio: 13,5% (considering only the active students: 13,9%)
- Number of PhD schools: 12
- Number of PhD students: 870 (including PhD candidates)
- Of this: international PhD students 316 (36,5%)
- Number of academic staff: 976 (professors + associate professors, assistant professors, research fellows etc.)
- Number of staff: 1221
- Languages of the courses: Hungarian, English

Courses in English language

Bachelor Programmes:

- Agricultural Engineering
- Environmental Engineering
- Agricultural Engineering in Environmental Management
- Horticultural Engineering
- Wildlife Conservation and Management
- Management and Business Administration
- Mechanical Engineering



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- Tourism and Catering
- Animal Production Engineer
- Agricultural Engineer
- Plant Production Engineer
- Nature Protection Engineer
- Food Engineering

Masters Programmes:

- Mechanical Engineering
- Environmental Engineering
- Agricultural Water Management
- Crop Production Engineering
- Agricultural Biotechnology
- Wildlife Conservation and Management
- Rural Development and Agribusiness
- Management and Leadership
- Supply Chain Management
- Tourism Management
- Garden Art and Landscape Design
- Horticulture Engineering
- Food Science and Technology Engineering
- Food Safety and Quality Engineering
- Plant Protection Engineering (Keszthely)
- Executive MBA
- Master of Business Administration (MBA)

Gödöllő - Main campus (Szent Istvan)

- Institute of Aquaculture and Environmental Safety
- Institute of Economics
- Institute of Genetics and Biotechnology
- Institute of Environmental Sciences
- Institute of Mathematics and Basic Science
- Institute of Technology
- Institute of Agronomy



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- Institute of Business Regulation and Information Management
- Institute for Wildlife Management and Nature Conservation

Buda Campus

- Institute of Food Science and Technology
- Institute for Foreign Languages
- Institute of Horticultural Sciences
- Institute of Plant Protection
- Institute for Viticulture and Oenology
- Institute of Landscape Architecture, Urban Planning and Garden Art
- Institute for Physical Education and Sports

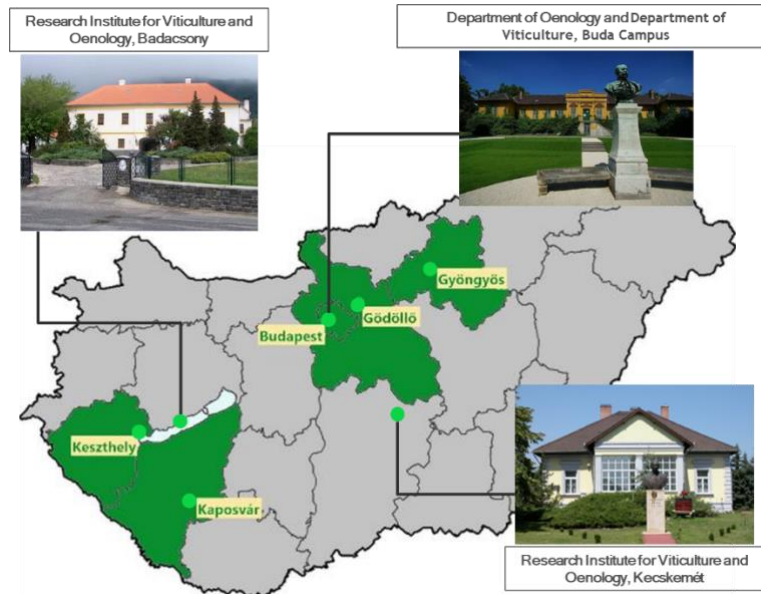
Kaposvár Campus

- Institute of Animal Sciences
- Institute of Physiology and Nutrition
- Institute of Education
- Rippl-Rónai Institute of Arts and Theatre
- Gyöngyös Campus
- Institute of Sustainable Development and Farming

Keszthely Campus



Institute of Viticulture and Oenology



Location of the Departments and Research Institutes of the MATE Institute of Viticulture and Oenology

Education:

Institute of Viticulture Oenology has two Departments: Department of Oenology and Department of Viticulture at the Buda Campus in Budapest. Two research stations in Badacsony and Kecskenét also belong to the Institute. Two gestured programmes Viticulture and Oenology Engineering BSc and MSc run in the Institute. Besides that, the academic staff take part in specializations on: Horticultural Engineering BSc and MSc, Food Engineering BSc and MSc. MATE participating in the Vintage International Master program.

Research:

The main viticultural research topics are precision viticulture, digital image analysis in phenotyping, ampelometric evaluation based on uvometry and foliometry. One of the main topics is terroir investigation based remote sensing and the evaluation of different irrigation strategies in viticulture. Molecular genetic research is dealing with functional genomic, molecular analysis of the black rot infection, molecular marking and modern diagnostic methods. MATE develops and evaluates new agrotechnical and phytotechnical treatments for conventional and ecological viticulture. Cultivar evaluation according to the adaptation to changing climate, and suitability to ecological or bio(dynamic) farming. The main oenological research topics are microoxygenation and hyperoxygenation for carbonated beverages (e g sparkling wine), processing oenological side



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products. Interspecific varieties as the raw material for organic wine, optimization of the technology for resistant red wine varieties in order to maximize the concentration of physiologically active compounds, reduction of alcohol content in wines, it is a recent challenge due to climate change, innovation for wine specialities vegan and other alternative wines, such as natural and orange wine. In wine chemistry MATE analyse fine compounds. Analysis of physiologically active compounds (biogenic amines, resveratrol, TAS values, shikimic acid, polyphenol composition, colour composition in red wines) is also an important research topic, as the evaluation of chemical composition of organic wines. In wine microbiology (biological degradation of malic acid, microbiology of Tokaj wine specialities, mapping of the microflora of Hungarian wine regions (especially Tokaj), possibilities in fixed cell fermentation, and bio yeast selection and connecting studies are running.