



RESEARCH - INNOVATION- TECHNOLOGICAL TRANSFER

Due to the complexity and diversity of research areas, USAMVBT research is both:

- **fundamental** research with a larger international impact, with several significant publications
- **applied research**, with more extensive practical involvement in the business and local industries.





Research domains

I. Bioengineering

- ✓ Nanotechnologies
- ✓ Smart agriculture
- ✓ Animal breeding
- ✓ New and emerging technologies

II. Biosecurity

- ✓ Renewable energy
- ✓ Water management
- ✓ Soil erosion and climate change
- ✓ Animal and human health
- ✓ Food safety
- ✓ Geomatics and land cadastre





ERRIS
ENGAGE IN THE ROMANIAN
RESEARCH INFRASTRUCTURES
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BANAT'S UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE "KING MICHAEL I OF ROMANIA" FROM TIMISOARA

UNIVERSITATEA DE STIINTE AGRICOLE SI MEDICINA VETERINARA A BANATULUI "REGELE MIHAI I AL ROMANIEI" DIN TIMISOARA

As a member of the educational system of Romania, the BUASVMT is a state institution operating in higher education and scientific research



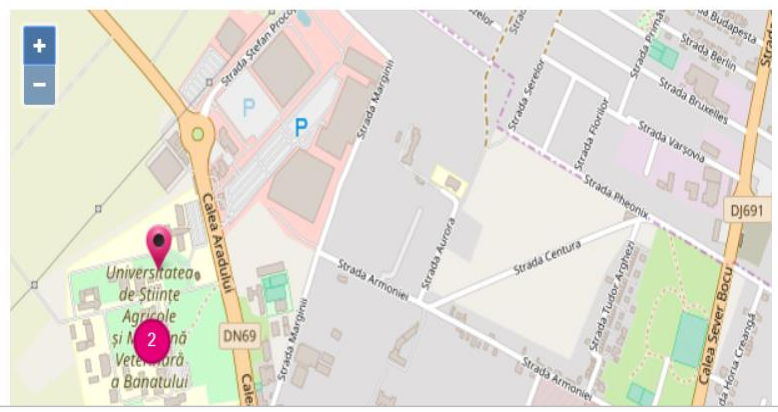
Organisation direct public link in ERRIS: <https://erris.gov.ro/UNIVERSITATEA-DE-STIINTE-AGR-3>

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RESEARCH FACILITIES

- ❑ Interdisciplinary Research Platform "*Organic, Sustainable Agriculture and Food Safety*"
- ❑ "*Horia Cernescu*," Research Laboratories
- ❑ Research Center for " Food Science,"
- ❑ Laboratory of Food and Waterborne Pathogens Detection (LFWPD)
- ❑ Invasive species monitoring unit
- ❑ Diagnosis Laboratory and Phytosanitary expertise
- ❑ Geomatics research laboratory
- ❑ Laboratory of Extraction, Isolation and Characterization of Bioactive Compounds
- ❑ ELISA Diagnostic Laboratory - Infectious Diseases
- ❑ Bacterial Infectious Diseases Laboratory
- ❑ Molecular Genetics Laboratory
- ❑ Aquaculture research laboratory
- ❑ Research unit for fish farming in recirculating aquaculture system
- ❑ Technological platform for sturgeon farming in recirculating aquaculture system





RESEARCH FACILITIES



international accreditation ISO EN 17025, 9001
sanitary-veterinary authorization





Project management unit

- identifies and distributes project calls within the university
- participates in writing projects
- provides financial assistance in the implementation of projects
- ensures project management

Technology transfer center

- ensures the transfer of research results to the economic environment
- Patents
- registered trademarks



The Agricultural Experimental Station

The Agricultural Experimental Station has **2,507 ha** of agricultural land, of which:

- **2,330 ha** arable land;
- **78 ha** grasslands;
- **64 ha** haymaking fields;
- **24 ha** vineyards;
- **8 ha** orchards.





R & D Projects

- Horizon 2020 – 3 projects
- Interreg-IPA Cross-border Cooperation Programme Romania – Serbia – 2 projects
- Ministry of European Funds – 6 projects
- Ministry of Agriculture, Agency for Rural Investment Finance – 4 projects
- Ministry of Education and research – 8 projects
- Ministry of Education – 3 projects
- Erasmus Plus- KA2 – Cooperation for innovation and the exchange of good practices – 6 projects
- Companies – 20 projects
- Norway Grants – 1 project

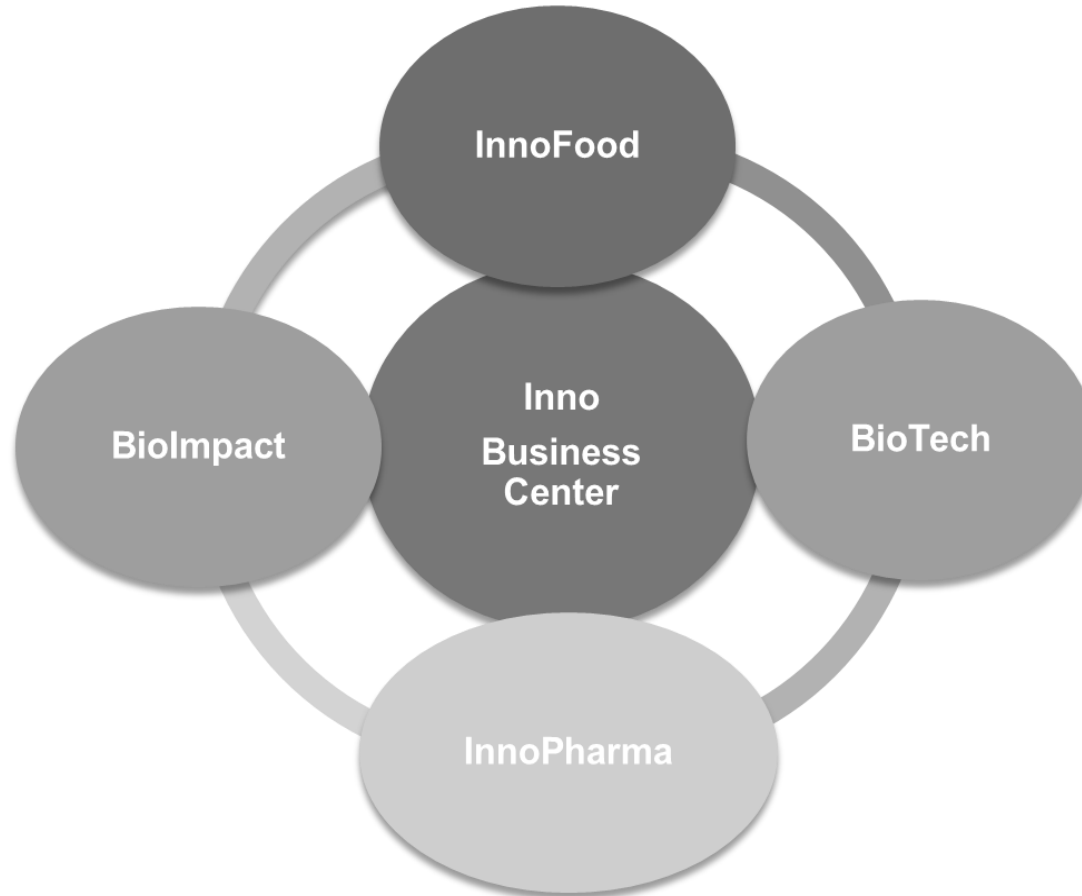


Projects in progress

- ❑ Joint project for conservation and sustainable use of plant genetic resources from border areas as consequences of climate change
- ❑ Strategies to predict, prevent and reduce the effect of fungal contamination on cereals quality, production and food safety
- ❑ Renewable Energy and Circular Economy Applied in an Academic Community as an Example for Smart Sustainable Development
- ❑ SMALL RuminanTs breeding for Efficiency and Resilience
- ❑ Bioeconomic approach to antimicrobial agents - use and resistance
- ❑ Cross – border network for quality monitoring of Bega river to a further sustainable management



InnoBusiness Center – from lab to market





Four hybrids and a variety of tomatoes
have been approved





The *Multidisciplinary Conference on Sustainable Development* is held each year in May, it brings together experts and researchers from over 25 countries and promotes the exchange of ideas and innovative experiences in the multidisciplinary field of life sciences.

Topics:

- *Trends in European agriculture development*
- *Horticulture, forestry and vegetal biotechnology*
- *Animal breeding and pathology today*
- *Management of sustainable rural development*
- *Food Chemistry, Engineering & Technology*
- *Animal resource bioengineering*



SCIENTIFIC JOURNALS



<https://content.sciendo.com/view/journals/arls/arls-overview.xml>



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MONITORING OF RESEARCH & INNOVATION ACTIVITY

- scientific papers
- patents
- approved products
- scientific books / chapters in scientific books
- attendance at conferences
- citations/ h index
- projects



