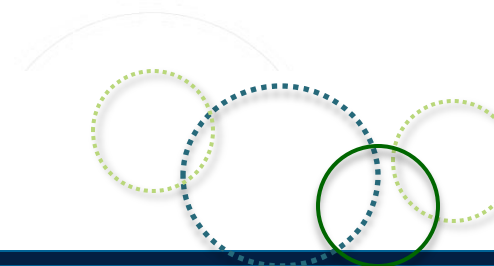


AgroBioTech Research Centre



Slovak University of Agriculture in Nitra
Slovak Republic



Towards the Innovations



*Our paths are not known;
we make our own ones...*

Ing. Lucia Grešová, PhD.

AgroBioTech RC: Space for innovative research in different areas

Cooperation with the private sector Tailor-made research

- Unique infrastructure (transmission electron microscope, or second-generation sequencer for genetic analyses, biomass conversion into second-generation biofuels, clinical tests of consumption of certain food, e-nose + e-eye + e-tongue and many other)
- Patenting the products
- Food incubator
- Tailor-made research for market demand
- Cooperation with private sector
- Cooperation with the research institutes from abroad



Cooperation with the private sector

- ✓ 14 contracts signed with private companies
- ✓ Tailor-made research in the following fields:
 - Brewery and beverages
 - Processing of cereals
 - Fertilizers application
 - Vine analyses
 - Meat processing
 - Chocolate and other specialized food products processing
 - and other



Tailor-made research in the field of beverages,
Analyzing, quality assessing and creating innovative
products for private entities



Experimental brewery

- ✓ Evaluation of quality of malting barley
- ✓ Sample sweetening
- ✓ Added value beverages

Influence of fertilizers on plant growth

- ✓ Screening of the eco-physiological parameters of plants
- ✓ Testing of the resistance to extreme conditions
- ✓ Analysis of the terrestrial laser scanning



Clinical studies



- ✓ Assessment of risk
- ✓ Assessment of metabolic syndrome, diabetes mellitus
- ✓ Analysis of body composition
- ✓ Assessment of nutritional status
- ✓ Biochemical tests

Identification of ultrastructure of biological samples



- ✓ Composition of cell organelles in different cell types
- ✓ Studying of membrane infrastructure to molecular level
- ✓ Immunogold labelling

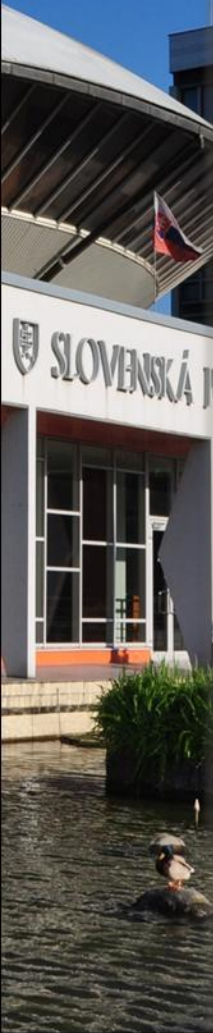
Innovation of food products

- ✓ Grinding machine
- ✓ Professional production of dough
- ✓ Added-value food



Technological processing of rice and other cereals

- ✓ Storage conditions
- ✓ Optimal technological processing
- ✓ Determination of the content of microelements



AgroBioTech RC: Triangulation

Transfer Centre

Research



University

Private sector



Transfer Centre



- space for creating closer linkages among universities, research and economic practice
- Promotion of the transfer of knowledge, technologies and innovations from research and development area into commercial sector
- Evaluation and active use of the results in practice
- cooperation with small and medium enterprises
- popularisation of the results of science and research
- protection of intellectual property; demand-driven research and expertises



Thank you for your attention

www.agrobiotech.sk

 www.facebook.com/VCAgroBioTech