



**Slovak University of Agriculture in Nitra
Faculty of Agrobiolgy and Food Resources
Institute of Biodiversity Conservation and Biosafety
Department of Genetics an Plant Breeding
Excellent Centre for the Conservation and Sustainable Use
of Agrobiodiversity
Research Centre AgroBioTech**

and



**M.M. Gryshko National Botanical Garden of National
Academy of Sciences of Ukraine, Kyiv, Ukraine
Department of Fruit Plants Acclimatization**

Book of Abstracts

of the

**4th International Scientific
Conference**

**Agrobiodiversity for Improve
the Nutrition, Health and Quality
of Human and Bees Life**

September 11–13, 2019

Nitra–2019

Co-organizers



Arboretum and Institute of Physiography
in Bolestraszyce, Poland



Botanical Garden of Slovak University of Agriculture in Nitra, Slovak
Republic



N.V. Tsitsin Main Botanical Garden of Russian Academy of Sciences,
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National Association of Beekeepers From Republica Moldova, Chisinau



Bio Bee Clinic,
Bačko Novo Selo, Republic of Serbia



Sarvas Association of Farmers 'National Traditionalists', Sarvas, Hungary



**Institutions and experts were actively involved in the organization
of the International Conference**

**Agrobiodiversity for Improve the Nutrition, Health
and Quality of Human and Bees Life**

in the framework of

AgroBioNet

International Network

within the implementation of the International Program

'Agrobiodiversity for Improve the Nutrition, Health and Quality of Life'

in the form of solved research, education and development projects and research stays

Authors and author collectives present at the international conference in lectures,
posters and publications also results and knowledge obtained from the solution

Research Projects

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ECOVA ITMS 26220120015

ECOVA plus ITMS 26220120032

AGROBIOTECH ITMS 26220220180

TRIVE ITMS 26110230085

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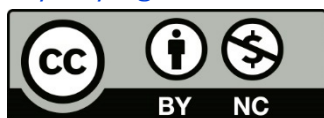
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Welcome to 4th International Scientific Conference

Dear Participants

For us, the organizers of the 4th International Conference 'Agrobiodiversity to Improve Nutrition, Health and Quality of Human and Bees Life', it is a great pleasure and as well as a great honour to welcome you to Slovakia, the ancient city Nitra and on the Slovak University of Agriculture in Nitra.

The Congress Centre of the Slovak University of Agriculture in Nitra will be the venue of scientific and academic discussions, presentations, interventions, confrontation of opinions, exchange of knowledge and experience, initialing new contacts and meetings of cooperating members of *AgroBioNet* International network.

The Slovak University of Agriculture in Nitra, represented by the Institute of Biodiversity Conservation and Biosafety and the M.M. Gryschno National Botanical Garden at the National Academy of Sciences of Ukraine in Kyiv, represented by the Department of Plant Introduction, initiated in 2013 the international conferences about biodiversity and agrobiodiversity and they want to continue and develop them.

The reason is very simple. The theme of International Conferences focused on the conservation and usage of agrobiodiversity to improve nutrition, health and quality of life is the foundation of the present civilization. Therefore, the issue brings together not only all-conference participants but also other botanists, researchers, breeders, seedsmen, growers, processors and other professions they recognize, using not only traditional plant species but also forgotten, less-used and less-known species for food security, food safety and resolving the other needs of civilization.

This is evidenced by the very extensive focus of the presented knowledge and results achieved in the solution of research and development projects of research and academic institutions processed in the form of abstracts in the submitted publication of this year's international conferences.

Researchers' efforts to conduct experiments aimed at preserving, identifying, evaluating, expanding and exploiting the unique phenomenon of biodiversity and the still undervalued use of agri-biodiversity are also evidence that, despite the lack of fund, technical equipment, and national governments understanding, researchers present extensive original knowledge and results.

On behalf of the organizers of this conference, we wish all participants a pleasant stay in Slovakia, in the city Nitra and at the Slovak University of Agriculture in Nitra. I wish to all authors and co-authors of the presented scientific publications a successful presentation in a creative atmosphere.

The International Conference organizers also thank all the other co-organizers of the international conference for their help and support!

Assoc. Prof. Ján Brindza
Institute of Biodiversity Conservation and Biosafety,
Slovak University of Agriculture in Nitra



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