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University courses:

BSc courses

Plant Pathology- 3NK06NAK20B

Plant Pathology- 3NK06LAK20B

(Budapest; Beregszász, Ukraine; Zenta, Serbia; Révkomárom, Slovakia)

Integrated pest management, herbology- 3NK06LAK18B

(Beregszász, Ukraine)

Plant Protection II. (Grapevine Pathology)- ETSBNNK01AB

MSc courses

Diseases of Arable Crops-3NK06NAK09M

Biological Basis of Plant Pathology- 3NK06NAK03M, 3NK06LAK16M

Diseases of Fruit, Grape and Forest Plants-3NK06NAK22M

Diseases of Vegetables, Ornamental and Herbal Plants-3NK06NAK10M

Diagnostics and Forecasting of Pathogens-3NK06NAK05M

General Plant Pathology-NVVED105N

PhD courses

Phytobacteriology-NVVED097N

Research interest:

- Classical and molecular bacteriological examination and identification of new plant pathogenic, antagonistic bacterial species occurring in our country (*Erwinia amylovora*, *Erwinia* sp., *Brenneria* sp., *Pseudomonas* sp., *Xanthomonas* sp., *Acidovorax* sp.)
- Molecular tests, methods: PCR, RFLP, SSR, MLSA of housekeeping genes (rpoB, atpD, infB, gyrB)- mapping and systematization of the kinship relationships of bacterial species, bioinformatics analysis.
- Classical bacteriological methods: hypersensitive reaction, Gram property, oxidase test, pathogenicity test, determination of biochemical properties - API tests (Biomérieux, France), BIOLOG (GN24, GP24)
- Exploring the possibilities of biological protection against pathogens, as well as the development of environmentally friendly plant protection procedures against various plant pathogens using natural substances and antagonistic organisms *in vitro* and *in vivo*.
- Testing of susceptibility of different plant varieties (apples, stone fruits, ornamental trees, melon varieties, vegetables) for the given plant pathogenic bacteria on different plant parts.
- Characterization, classical and molecular identification of other plant pathogens (*Phytoplasma*, *Verticillium* sp., *Venturia* sp.).

Publication and scientometrics:

MTMT: <https://m2.mtmt.hu/api/author/10032843>

Országos Doktori Tanács: https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=11821

ResearchGate: <https://www.researchgate.net/profile/Anita-Vegh>