

Rita Szabó, PhD

associate professor
toxicologist, MSc Engineer in Agriculture
Plant Protection Specialist

Department of Plant Protection
Institute of Plant Protection

Contact information:

E-mail: Szabo.Rita@uni-mate.hu

Tel.: 36-83-545-223

Georgikon Campus

Building "A", II. floor, room no. 267.

Location address:

Department of Plant Protection

Georgikon Campus

H-8360 Keszthely

Deák Ferenc str. 16.

Mailing address:

Department of Plant Protection

Hungarian University of Agriculture and Life Sciences, Institute of Plant Protection

H-8360 Keszthely, Deák Ferenc str. 16.

Subjects taught:

Courses at the BSc level

Protection of agricultural plants II. (Protection of arable crops II.) - KEGNNVB144B
(Agricultural Engineer BSc)

Fundamentals of Food Chain Safety - KEGNNVB112É
(Agricultural Engineer for Rural Development BSc)

Fundamentals of Food Chain Safety (In Székelyudvarhely) - SZUNBNVB112A
(Agricultural Engineer for Rural Development BSc)

Protecting of horticultural plants II. – KEGNNVB244C
(Horticultural Engineer BSc)

Courses at the MSc level

Herbology – KEGNNVM144H
(Plant Protection Engineer MSc)

Environmental impacts of Plant Protection - KEGNNVM212D
(Environmental Management Agricultural Engineer MSc)

Pesticide chemistry – KEGNNVM144C, KEGNNVM244N
(Plant Protection Engineer MSc)

Pesticide chemistry – KEGNNVO144D
(MSc Engineer in Agriculture)

Pesticide chemistry - MNNVN01K300
(Plant Protection Engineer MSc – In English)

Courses in postgraduate specialist training in Plant Protection

Pesticide chemistry – NVVED049L
Biology and Ecology of Weeds – NVVED013L

Course in Experimental toxicologist in specialized training (University of Veterinary Medicine)

Alternative methods in toxicology

Course in PhD training

Alternative methods in toxicology - PEDIGKKO10

Research field:

- Investigating the individual and combined early and late embryotoxicity of pesticides and environmental heavy metals in birds. Biomonitoring studies on animal tissue samples to assess environmental metal contamination's health risks.
- Examinations on allelopathy by performing germination biological experiments on weeds, herbs and spices, which are considered dangerous in various field and horticultural crops.

Major research topics:

- Investigation of the combined toxicity of heavy metals and pesticides on pheasant embryos.

- Investigation of the combined toxicity of heavy metals and pesticides on chicken embryos.
- Investigation of the combined toxicity of plant protection products on pheasants.
- Investigation of the combined toxicity of plant protection products in chicken embryos.
- Ecotoxicological studies on the health risks of contaminating metals measurable in wild bird tissue samples.
- Investigation of the allelopathic effects of different weeds in field crops.
- Examination of the extracts of weeds on vegetable plants.
- Study on the effects of herbal and spice extracts on weeds and crops.

Personal information:

Publications, scientific metric indicators:

MTMT: <https://m2.mtmt.hu/api/author/10044250>

National Doctoral Council:

https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=31822