

Personal data:

Portrait



Name: Dr. Szandra Klátyik

Title / position: research fellow

Academic degree and year of acquisition: *PhD*-degree (biological sciences) - 2021

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Name of organizational unit, institute:

Hungarian University of Agriculture and Life Sciences, Institute of Environmental Sciences, Agro-Environmental Research Centre, Budapest

Professional experience: *Previous jobs, positions, assignments important from a professional point of view:*

- 2022 - Hungarian University of Agriculture and Life Sciences, Institute of Environmental Sciences, Agro-Environmental Research Centre, Budapest, Department of Ecotoxicology, research fellow
- 2021 - 2022 Hungarian University of Agriculture and Life Sciences, Institute of Environmental Sciences, Agro-Environmental Research Centre, Budapest, Department of Ecotoxicology, assistant research fellow
- 2014 - 2021 National Center for Agricultural Research and Innovation Agro-Environmental Research Institute, Department of Ecotoxicology, assistant research fellow
- 2012 – 2013 Central Environmental and Food Science Research Institute, Department of Environmental Analytics, *MSc* student, intern

Assignments important from a professional point of view:

- 2022 - Hungarian Ecotoxicology Society, executive vice president
- 2018 NATO project (NUKR.SFPP 984637) - method development work, Rehovot, Israel
- 2016 Student Travel Award at SPICED Symposium “Spices and Herbs – A Risk-Free Taste Experience?”, Berlin, Germany
- 2013 Campus Hungary Scholarship, Lugo, Spain

Graduation, education: *Name of institution providing education/training, duration, qualification*

2020 - 2022	University of Veterinary Science, Budapest Experimental toxicologist - specialized training
2013 - 2021	Doctoral School of Biology, Szent István University, Gödöllő (from 1st February, 2021, Hungarian University of Agriculture and Life Sciences), full-time, <i>PhD</i> student with a state scholarship
2011-2013	Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő, Master's degree in Ecotoxicology (<i>MSc</i>)
2007-2010	Faculty of Agriculture and Environmental Sciences, Szent István University, Gödöllő, Bachelor's degree in environmental engineering (<i>BSc</i>), specialization in nature conservation

Research and activity area:

Ecotoxicological assessment and evaluation of various pollutants of agricultural origin, primarily veterinary and plant protection products in addition to their components, on aquatic non-target organisms. Examination of the individual and combined effects of the tested substances on aquatic invertebrate macroorganisms, unicellular green and blue algae species, as well as on biofilms colonized under natural conditions. In addition to the detection of the effects on the composition of the algal communities (mainly diatoms) in natural biofilms. The use of enzyme activity testing methods during the assessment of toxic effects (e.g., glutathione-S-transferase, acetylcholinesterase). Detection and degradation of agricultural pollutants from environmental samples using various environmental analytical methods.

Awards and recognitions:

2013	Szent István University, Faculty of Agriculture and Environmental Sciences Department of Zoology and Animal Ecology special award – for outstanding results
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Doctoral training information: *link to doktori.hu*

https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=20530

Publication data: *link to the publication list given in MTMT*

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10039376>

Educated subjects:

Introduction to ecotoxicology	(in Hungarian and English)
Ecotoxicology	(in English)
Agricultural ecotoxicology	(in Hungarian)
Investigation of environmental load with plants	(in Hungarian)
Environmental protection	(in Hungarian)
Biological foundations of environmental protection	(in English)

Optional thesis topics:

- Ecotoxicological studies of chemical pollutants of agricultural origin on aquatic plant test organisms
- Ecotoxicological studies of chemical pollutants of agricultural origin on aquatic animal test organisms