



Sándor Szoboszlay

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● WORK EXPERIENCE

2021 – CURRENT – Gödöllő, Hungary

ASSOCIATE PROFESSOR, HEAD OF DEPARTMENT – HUNGARIAN UNIVERSITY OF AGRICULTURE AND LIFE SCIENCES, INSTITUTE OF AQUACULTURE AND ENV. SAFETY

Diploma in agricultural engineering, a doctorate in agricultural sciences, Ph.D. in military engineering, 40 years of education, and 30 years of professional experience in the field of environmental protection, environmental safety, and environmental microbiology. Member, lecturer, and supervisor of the Doctoral School of Environmental Sciences, lecturer of the Doctoral School of Military Engineering in the University of Public Service.

Supervisor of BSc, MSc students in the field of environmental protection (more than 60 students)

Supervisor of Ph.D. students in the field of environmental protection: 9 people, 7 of them successfully defended their thesis work

Major taught subjects: Agricultural Microbiology (6 years);

Environmental case studies (6 years);

Environmental Law and Institutional System (6 years);

Groundwater protection (6 years);

Ecotoxicological applications in environmental protection (6 years);

Environmental Safety and Disaster Management (8 years);

Chemistry and Biochemistry (12 years);

Environmental quality assurance and condition assessment systems (5 years, ongoing);

Site safety and ecotoxicology (6 years ongoing);

Atmospheric protection (6 years, ongoing);

Environmental safety of soil remediation (6 years, ongoing as a Ph.D. course in the NKE)

Environmental and Disaster Biology (12 years, ongoing as a MATE Ph.D. course (6 years)

Protection and use of surface waters (12 years, ongoing);

Environmental safety (14 years, ongoing);

Environmental Hygiene (18 years, ongoing);

Protection of environmental elements (20 years, ongoing)

Department of Environmental Safety | Education

2004 – 2021 – Gödöllő, Hungary

ASSOCIATE PROFESSOR, HEAD OF DEPARTMENT – SZENT ISTVÁN UNIVERSITY, FACULTY OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

1985 – 2014 – Gödöllő, Hungary

FACULTY DIRECTOR OF DORMITORY, DEPUTY DIRECTOR-GENERAL – SZENT ISTVÁN UNIVERSITY DORMITORY

1981 – 2004 – Gödöllő, Hungary

RESEARCH FELLOW, TECHNICAL ASSISTANT, ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR – UNIVERSITY OF AGRICULTURAL SCIENCES GÖDÖLLŐ, THEN SZENT ISTVÁN UNIVERSITY

● EDUCATION AND TRAINING

2001 – 2003

PH.D. IN MILITARY ENGINEERING – Zrínyi Miklós National Defense University, Doctoral School of Military Engineering

Environmental safety, biological weapons, bioterrorism, remediation of contaminated military, industrial and agricultural sites, the biodegradability of hydrocarbon compounds, opportunistic pathogen microorganisms in the environment, ecotoxicology of pesticides and drug residues

Field(s) of study

- specification: environmental safety

1981 – 1984

DOCTORATE IN AGRICULTURAL SCIENCES – University of Agricultural Sciences Gödöllő

1976 – 1981

AGRICULTURAL ENGINEER – University of Agricultural Sciences Gödöllő

agricultural microbiology, agricultural chemistry, life sciences, hygiene, animal husbandry, soil sciences, hydrology, plant production, horticulture, soil management, and land use, sward management, plant protection, tropical agriculture

● LANGUAGE SKILLS

Mother tongue(s): HUNGARIAN

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
RUSSIAN	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office | Surfer

Social skills and competences

Communication and teamwork | cooperation | networking skills

Engineering skills and competences

application of instruments and sensors to measure environmental parameters | Operation of laboratory equipment

Expert privileges

SZKV-1.1. Waste management expert | SZVV-3.10. Water chemistry analysis, water quality protection and remediation expert | Expert of the Hungarian Military Society in the field of environmental safety & env. health | Health expert qualification in the field of 'Chemical safety and environmental health' | SZKV-1.3 Water and geological medium protection expert

● DRIVING LICENCE

Driving Licence: B

● HONOURS AND AWARDS

2019

Doby Géza Award – SZIE Faculty of Agriculture and Environmental Sciences

2014

Apáczai Csere János Award – Minister of Human Resources

2008

Tessedik Sámuel Award – Minister of Education and Culture

1991

Pro Scientia Gold Medal, Ministerial Praise – Minister of Culture and President of the Hungarian Academy of Sciences

● NETWORKS AND MEMBERSHIPS

2012 – CURRENT

Hungarian Society of Ecotoxicology (member)

2012 – CURRENT

Hungarian University of Agriculture and Life Sciences, Doctoral School of Environmental Sciences (member)

2008 – CURRENT

University of Public Service, Doctoral School of Military Engineering (member)

2008 – CURRENT

Hungarian Academy of Sciences (public board member)

2004 – CURRENT

Hungarian Society for Microbiology (member)

2004 – CURRENT

Hungarian Chambers of Engineers (member)

● PROJECTS

2019

Thematic Excellence Programme 2020, National Challenges Subprogramme

Identification and management of risks arising from social activities to enhance the security of national critical infrastructures (NCI), with particular attention to drone and sensor technology developments, water safety, and innovations in aquatic toxicology (coordinator)

2017

783-3/2018/FEKUTSTRAT

'Water research' Institutional Excellence Programme (coordinator)

2016 – 2020

GINOP Project

The establishment of sustainable fish farming in Lake Balaton for angling purposes with the reconstruction of fish fauna, and with the examination of food resource utilization by basic and applied research methods (coordinator)

2017 – 2019

NVKP Project

Development of a new risk management model system in order to increase water and food safety in the fish product area (coordinator)

2013 – 2015

KTIA-AIK Project

Impact of climate change on the elements of the biosphere, (subprogramme leader)

2013 – 2015

National Environmental Remediation Program

Development of treatment methods for unknown or diffuse contaminant (project leader)

2012 – 2013

TÁMOP Project

Raising the standard of education and research at Szent István University, Environmental Safety Project (contributor)

2011 – 2013

Economic Development Operational Programme

Development of a prototype of a microorganism consortium for environmental remediation (project leader)

2009 – 2012

Baross Gábor Programme

Development of new methods for the hazard analysis and treatment of endocrine-disrupting contaminants (contributor)

2009 – 2011

Jedlik Ányos Programme

Enhancing food safety by reducing mycotoxin contamination of cereal raw materials (contributor)

2008 – 2010

Jedlik Ányos Programme

Utilization of wastes and by-products from bioenergy production processes for complex agri-environmental purposes

2008 – 2010

KMOP Project

Supplement of the existing microbial strain collection with microorganisms to degrade EDC and hydrocarbon contaminants

2007 – 2009

Regional University Center of Excellence

The ecological impacts and environmental safety of the environmental industry -"Development of an environmental safety quality assurance system for soil and groundwater treatment technologies with a special focus on biological and ecological safety", resp. the "Monitoring of the remediation and revitalization processes of contaminated sites" resp. "Ecotoxicological and bioindication measurement methods for the detection of the environmental impacts of waste" (coordinator, project leader)

2005 – 2007

NKFP 3A079-04 Programme

On-site analysis of natural waters and geological media by micro-and nano-sensing methods AQUANAL (project leader)

2004 – 2006

NKTH BIO-70 KPI/2004

Development of in vitro biological methods for measuring the ecological impact and risk of toxic, bioaccumulative (PBT-containing) complex contaminants (project leader)

2004 – 2006

KvVM VITUKU RT

International practice for the qualification of remediation technologies.

2004 – 2006

KÖM KAC

Development and validation of bioassays measuring the combined effect of harmful substances

2001 – 2003

EU 5. Framework

Environmental assessment of industrial areas marked for revitalization based on the on-site environmental assessment with NORISC system

● **PUBLICATIONS**

MTMT publication list

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10001572>

Total number of scientific and higher education publications: 272

Total / independent citations of all scientific publications and works: 1101/908 (04.08.2021, MTMT)

Further scientific metric data is available at: www.doktori.hu

(Search in the database - Szoboszlai Sándor)

TOTAL IMPACT FACTOR FOR ANNOUNCEMENTS: greater than 150

12 patent protection applications