



Roland Szabó

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● WORK EXPERIENCE

01/09/2026 - CURRENT - HUNGARY

SENIOR RESEARCH FELLOW UNIVERSITY OF MISKOLC

31/10/2020 - 31/08/2026 - MISKOLC, HUNGARY

RESEARCH FELLOW UNIVERSITY OF MISKOLC

09/2017 - 10/2020 - MISKOLC, HUNGARY

ASSISTANT RESEARCH FELLOW UNIVERSITY OF MISKOLC

06/2015 - 11/2015 - MISKOLC, HUNGARY

ASSISTANT RESEARCH FELLOW UNIVERSITY OF MISKOLC

06/2014 - 08/2014 - MISKOLC, HUNGARY

TECHNICAL SERVICE PROVIDER UNIVERSITY OF MISKOLC, INSTITUTE OF RAW MATERIALS
PREPARATION AND ENVIRONMENTAL PROCESSING

07/2013 - 05/2014 - MISKOLC, HUNGARY

TECHNICAL ASSISTANT UNIVERSITY OF MISKOLC, INSTITUTE OF RAW MATERIALS PREPARATION
AND ENVIRONMENTAL PROCESSING

● EDUCATION & TRAINING

2020

PH.D.- UNIVERSITY OF MISKOLC

02/2018 - 01/2020 - MISKOLC, HUNGARY

PH.D CANDIDATE- UNIVERSITY OF MISKOLC, MIKOVINY SÁMUEL DOCTORAL SCHOOL

09/2014 - 01/2018 - MISKOLC, HUNGARY

PH.D STUDENT- UNIVERSITY OF MISKOLC, MIKOVINY SÁMUEL DOCTORAL SCHOOL

09/2011 - 06/2013 - MISKOLC, HUNGARY

PROCESS ENGINEER- UNIVERSITY OF MISKOLC

09/2007 - 06/2011 - MISKOLC, HUNGARY

ENVIRONMENTAL ENGINEER- UNIVERSITY OF MISKOLC

Environmental engineer BSc, geo-environmental specialization

09/2006 - 06/2007 - NYÍREGYHÁZA, HUNGARY

ENVIRONMENTAL AND WATER MANAGEMENT TECHNICIAN- VÁSÁRHELYI PÁL ÉPÍTŐIPARI ÉS KÖRNYEZETVÉDELMI-VÍZÜGYI SZAKKÖZÉPISKOLA

● LANGUAGE SKILLS

Mother tongue(s): **HUNGARIAN**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
GERMAN	B1	B1	B1	B1	B1
ENGLISH	B1	B1	A2	A2	A2

● SKILLS

Microsoft Office | Microsoft Powerpoint | Microsoft Excel | Google Drive | Facebook | Golden Software Grapher

● PUBLICATIONS

MTMT ID.

[Aktuális publikációs lista](#)

ResearchGate

<https://www.researchgate.net/profile/Roland-Szabo-4>.

ORCID ID.

<https://orcid.org/0000-0002-4536-7610>

Google Scholar

<https://scholar.google.com/citations?user=cuOTGPYAAAAJ&hl=hu>.

● DRIVING LICENCE

Driving licence: B | 01/2020

● PROJECTS

1. Cement Replacement in Mortars By Activated Wastes Project ID: **2025-1.2.2EUREKA202500005**. (01 April 2026 – 31 March 2029)
2. "Sustainable Waste and CementBased Hybrid Geopolymer Solutions for Soil Stabilization: Mechanisms, Compatibility, and Application Areas Incorporating Circular Economy Principles" Project ID: **2024-1.2.11TÉTIPARITR202500021** (01 February 2026 – 31 January 2028)
3. "Reducing the Environmental Impact and Carbon Footprint of Concrete Structures" OTKA Research Grant, Project ID: **146724**, (01 January 2024 – 31 December 2027)
4. "Foamed Geopolymer Made by Additive Manufacturing for the Construction Technology Applications" project Grant Contract reg. nr.: **2019-2.1.7-ERA-NET-2022-00051**)

5. „Developments aimed at increasing social benefits deriving from more efficient exploitation and utilization of domestic subsurface natural resources” project **Grant Contract reg. nr.: TKP-17-1/PALY-2020**
6. “More efficient exploitation and use of subsurface resources” project of the University of Miskolc, implemented in the framework of the Thematic Excellence Program **NKFIH-846-8/2019)**
7. **EFOP-3.6.2-16-2017-00010** Sustainable Raw Material Management Thematic Network – RING 2017 Project
8. Establishment of collaboration between the University of Miskolc and industry (FIEK) for advanced materials and intelligent technologies” Program **GINOP-2.3.4-15-2016-00004**), „2015 The University of Miskolc and the city of Miskolc development of a coordinated knowledge transfer and innovation service and building a sustainable partnership with strategic economic actors.”
9. **TÁMOP-4.2.1C-14/1/Konv-2015-0012** project. "On the research field of Environment & Energy Production of high value added products from industrial waste"
10. **PIAC_13-1-2013-0124**: „Market oriented research and development of an innovative, eco-friendly thermal insulator material using polystyrene waste” project
11. **GOP-1.1.1-1-2012-0379** „Production of eco-friendly construction materials from silicate-containing industrial by-products” project

● HONOURS AND AWARDS

01/09/2025 Hungarian Academy of Sciences (MTA)

János Bolyai Research Scholarship Duration of the scholarship: September 1, 2025 - August 31, 2028.

18/06/2025 University of Miskolc

Excellent Consultant Award

06/09/2024 University of Miskolc

Award for International Relations

08/09/2023 University of Miskolc

Rector's Recognition Award

19/04/2023 Cracow University of Technology

Mobility Grant for Young Researchers

06/11/2022 Miskolc Regional Committee of the Hungarian Academy of Sciences

MAB – István Szentpáli Scientific Award

24/06/2022

Excellent Teaching Diploma

01/09/2018

New National Excellence Program (ÚNKP) – doctoral candidate research scholarship 5 months

● MEMBERSHIPS

Scientific Society of the Silicate Industry - Cement Division

Ceramics and Silicates of the Regional Committee of the Hungarian Academy of Sciences in Miskolc

Secretary of the Preparation and Environmental Process Engineering and Mining Energetics Working Committee of the Mining, Earth and Environmental Science Committee

Reviewer at the Journal of RECYCLING AND SUSTAINABLE DEVELOPMENT

Review Editor on the Editorial Board of Construction Materials (specialty section of Frontiers in Built Environment)

- **OTHER SCIENTIFIC WORK**

Consultant, co-consultant in thesis

Co-consultant - Students' Scientific Conference (TDK) thesis

- **POSITION**

SENIOR RESEARCH FELLOW