






## PERSONAL DATA


**Rita Miklós, PhD**

-  Miskolc (Hungary)
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-  <https://www.researchgate.net/profile/Rita-Miklos-2>

Birth date: 12. 01. 1991 | Citizenship Hungarian

## POSITION

**Project manager, research fellow**

Coordination of the implementation of project professional tasks, maintaining contact between the professional and management team, implementation of project professional tasks (research area: the Bükk cold and thermal karst system), educational activities (teaching of Watermining, Hydrological processes, Applied and engineering hydrology subjects in Hungarian and English), performing research tasks, publishing activity.

## WORK EXPERIENCE

2022. 11. – now	<b>Project manager</b> National Laboratory for Water Science and Water Security - RRF-2.3.1-21-2022-00008, Institute of Water Resources Environmental Management, Miskolc (Hungary)
2022. 10. – now	<b>Research fellow</b> University of Miskolc – Institute of Water Resources Environmental Management, Miskolc (Hungary)
2017. 05. – 2022. 04.	<b>Assistant research fellow</b> University of Miskolc – Institute of Water Resources Environmental Management, Miskolc (Hungary)
2015. 06. – 2015. 07.	<b>Intern</b> Mátra Erőmű Zrt., Bükkábrány, Visonta (Hungary)
2013. 03. – 2014. 05.	<b>Student research within the framework of KÚTFŐ Project</b> University of Miskolc – Institute of Environmental Management, Miskolc (Hungary)
2013. 07. – 2013. 08.	<b>Intern</b> MIVÍZ Kft., Miskolc (Hungary)
2012. 08.	<b>Intern</b> Rotaqua Ltd., Miskolc (Hungary)

## STUDIES

2023 -	<b>M.Sc. in Mining and Geotechnical Engineering</b> University of Miskolc – Faculty of Earth and Environmental Sciences and Engineering	EKKR 7
2016 - 2021	<b>Ph.D. in Earth Sciences (Summa cum laude)</b> University of Miskolc - Mikoviny Sámuel Earth Sciences Doctoral School, Miskolc (Hungary) Research area: karst hydrogeology Title of dissertation: <i>Hydrogeothermal investigation of Bükk karst water system with complex karst hydrogeological methods</i> Award of PhD degree: 09. 02. 2023.	EKKR 8
2016 - 2018	<b>Women's tailor</b> MIOK József Nádor High School and Vocational Training School OKJ education (34-542-06)	EKKR 4

2014 - 2016	M.Sc. in Hydrogeological Engineering (Rate: Diploma with honors)	EKKR 7
	University of Miskolc – Faculty of Earth Science and Engineering, Miskolc (Hungary)	
2010 - 2014	B.Sc. in Earth Science Engineering, earth sciences engineering specialization (Rate: Diploma with honors)	EKKR 6
	University of Miskolc – Faculty of Earth Science and Engineering, Miskolc (Hungary)	
2005 - 2010	High School	EKKR 4
	Avasi High School, Miskolc (Hungary)	

## PERSONAL SKILLS

Mother tongue Hungarian

## Foreign languages

	READING COMPREHENSION		SPEECH		WRITING
	Listening	Reading	Conversation	Continuous speech	
German	B2	B2	B2	B2	B2
	1216233 – general complex – Euro Nyelvvizsga Kft.				
English	B2	C2	B2	B2	B2
	1050309 – general complex – Euro Nyelvvizsga Kft. 1464142 – technical written+oral – BME Nyelvvizsgaközpont				

Levels: A1&A2: Basic - B1&B2: Independent user - C1&C2 Master user

Communication skills Good communication skills

## Digital skills

- **Geospatial softwares:** Surfer, Grapher
- **Mathematical softwares:** Matlab (basic level)
- **OS:** Windows
- **General softwares:** MS Office

## ADDITIONAL INFORMATION

## Awards and honors

- 2015-16 - Köztársasági Ösztöndíj (*Republican Scholarship*)
- 2015 – Országos Tudományos Diákköri Konferencia – Különdíj (*National Conference of Scientific Students special award*)
- 2014 - Tudományos Diákköri Konferencia III. díj (*Conference of Scientific Students, 3rd place*)
- 2014/15 - Köztársasági Ösztöndíj (*Republican Scholarship*)
- 2014 – Lászlóffy Woldemár Diplomamunka Pályázat, dicséret (BSc kategória) (*Lászlóffy Woldemár Diploma work Application, honors (BSc category)*)
- 2014 - METALLI: FODINARUM CULTURAE STUDIUM PRAEMIAT (bronz fokozat)
- 2013 – Országos Tudományos Diákköri Konferencia – Zsúri Különdíj (*National Conference of Scientific Students special jury award*)
- 2012 - Tudományos Diákköri Konferencia – Előadói díj (*Conference of Scientific Students presentation award*)

- Scientific interest**
- Hydrogeology
  - Karst hydrogeology
  - Earth Sciences
- Trainings**
- 2021 – EFOP 3.4.3-16-2016-00015 „FÓNIX ME” – Megújuló Egyetem felsőoktatási intézményi fejlesztések a felsőfokú oktatás minőségének és hozzáférhetőségének együttes javítása érdekében – A műszaki oktatás új kihívásai érdekében – Tudás-alapú társadalom és kompetencia alapú képzések műszaki területen
  - 2021 – EFOP 3.4.3-16-2016-00015 „FÓNIX ME” – Megújuló Egyetem felsőoktatási intézményi fejlesztések a felsőfokú oktatás minőségének és hozzáférhetőségének együttes javítása érdekében – Online megoldások az oktatásmódszertanban – tréning
  - DigitALL – Az oktatás digitális átalakítása a Miskolci Egyetemen – RRF-2.1.2-21-2022-00001 – Német újrakezdő nyelvtanfolyam (A2) képzés
- Researches - Projects**
- **National Laboratory for Water Science and Water Security - RRF-2.3.1-21-2022-00008 - III. pillar - Groundwater management: We examine the role of groundwater management in adapting to climate change, we develop new concepts to meet agricultural water demand from shallow and deep groundwater resources, and to explore new frontiers of urban hydrogeology. We aim at innovative management of water management challenges related to karst water resources, and we are developing a new monitoring system. Furthermore, we are researching changes in the groundwater resources for the sake of sustainable water management.**
  - Determination of potential thermal karst water resources exploration opportunities in the Bükkalja area within the framework of the Higher Education Institution Excellence Program, participation in the topic area **"Optimization of Natural Resources Based on Modern Technologies: research on energy, water, material development and SMART technologies"** (2020)
  - **Tématerületi Kiválósági Program - TKP2020-NKA, TKP-17-1/PALY-2020** - Developments that increase social utility in the field of more effective exploitation and utilization of domestic natural resources below the surface
  - In connection with the **combined renewable energy production and storage project of the City of Miskolc**, investigation of the potential energy utilization opportunities of water reservoirs for drinking water, data collection, mapping of applicable technologies, evaluations, and participation in the preparation of the report (2020-2021)
  - **INNOVÍZ – GINOP-2.3.2-15-2016.00031** - "Innovative solutions for the sustainable utilization of underground water resources" project
  - New procedures aimed at understanding the effects of extreme weather conditions on the supply of groundwater resources and flow regimes
  - **PULSE – GINOP-2.3.2-15-2016-00010** - "Development of efficiency-enhancing engineering procedures related to the utilization of terrestrial energy sources" project
  - Energetic usability of barren and disused wells
  - **TÁMOP 4.2.2. A 11/1/KONV-2012-0049 KÚTFŐ** – development of the international research potential of the University of Miskolc's Faculty of Earth Sciences related to groundwater through the support of targeted basic research tasks, module 1, (2013-2015) conducting student research work
- Memberships**
- Magyarhoni Földtani Társulat (2014-) (*Hungarian Geological Society*)
  - Magyar Hidrológiai Társaság (2014-) (*Hungarian Hydrological Society*)
  - International Association of Hydrogeologists (National Chapter: Hungary) (2020- )
  - **Management Member:** International Association of Hydrogeologists (National Chapter: Hungary) (2023- )
- Publications**
- <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10048497>
  - ResearchGate: <https://www.researchgate.net/profile/Rita-Miklos-2>
  - ORCID: <https://orcid.org/0009-0003-9723-1795>
- Driving licence** B

## Other skills&amp;competences

- independent work
- coherent thinking
- analytical way of thinking
- good problem solving skills
- creativity