

PERSONAL INFORMATION

Viktor Má dai, PhD



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-  <https://geology.uni-miskolc.hu/munkatarsak/Dr--Madai-Viktor>
-  <https://www.researchgate.net/profile/Madai-Viktor>

Date of birth: 05/06/1973 | Nationality Hungarian

POSITION Associate Professor

WORK EXPERIENCE

- 09/2014 – Present **Associate Professor**
University of Miskolc - Engineering Institute of Exploration Geosciences , Miskolc (Hungary)
- 09/2006 – 08/2014 **Assistant Professor**
University of Miskolc - Department of Mineralogy and Petrology, Miskolc (Hungary)
- 09/1998 – 08/2006 **Assistant Lecturer**
University of Miskolc - Department of Mineralogy and Petrology, Miskolc (Hungary)
- 02/1996 – 08/1998 **Institutional Demonstrator**
University of Miskolc - Department of Mineralogy and Petrology, Miskolc (Hungary)

EDUCATION AND TRAINING

- 1996 - 2006 **Ph.D. in Earth Sciences (Grade: Summa cum laude)** EQF level 8
University of Miskolc Mikoviny Sámuel Doctoral School of Earth Sciences, Miskolc (Hungary)
Research area: Applied Mineralogy and Petrology
Date in which degree was obtained: 05/06/2007.
- 2000 - 2003 **M.Sc. in Computer Science (Grade: Good)** EQF level 7
University of Miskolc Faculty of Mechanical Engineering and Informatics, Miskolc (Hungary)
- 1991 - 1996 **M.Sc. in Geology – Mining Engineering (Grade: Excellent)** EQF level 7
University of Miskolc Faculty of Mining Engineering, Miskolc (Hungary)
- 1987 - 1991 **High-school graduation (Specialisation: Water and Wastewater Technology)** EQF level 4
Irinyi János Technological Secondary School, Kazincbarcika (Hungary)

PERSONAL SKILLS

Mother tongue(s) Hungarian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	A2	A2	A2	A2	A2
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2 Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills and excellent presentation skills

- Digital skills**
- **GIS software:** Global Mapper, QGIS,
 - **Geological software:** RockWorks, Petrel, Petromod,
 - **Mathematical software:** Matlab,
 - **Graphics software:** PhotoShop, Gimp, Inkscape
 - **OS:** Windows, Linux
 - **Office software:** MS Office, OpenOffice, SPSS,
 - **Programming skills:** Matlab, Python, HTML, PHP, SQL, Java, Visual Basic,

ADDITIONAL INFORMATION

- Honours and awards**
- 1995 - METALLI: FODINARUM CULTURAE STUDIUM PRAEMIAT (Academic Honorary Medal - Silver grade)
 - 1993 - METALLI: FODINARUM CULTURAE STUDIUM PRAEMIAT (Academic Honorary Medal - Bronze grade)

- Scientific interest**
- Environmental Geology
 - Environmental Mineralogy
 - Geomodelling
 - Geomorphology
 - GIS applications in Earth Science
 - Geostatistics, Geomath
 - Geological and Geomorphological mapping
 - Watershed analysis
 - Neotectonics
 - Structural morphology
 - Structural geology
 - Quaternary Research
 - Geodynamics of Carpathian-Pannonian Region
 - Flood Risk Modelling
 - Basin analysis
 - Basin Modelling

- Memberships**
- Member of public body of Hungarian Academy of Sciences (2007 -)
 - Hungarian Academy of Science - Scientific Committee on Geoinformatics (Secretary) (2016 -)
 - University of Miskolc Faculty of Earth Science and Engineering - Faculty Website Committee (member)

- Projects**
- **OMENTIN FP4** Raising public awareness - ore - mining technologies and environmental information network (ércbányászati és környezeti technológiák információs hálózata)
 - **HU2002/000-604-01-11(05)** Telkibánya - a középkori bányászat környezeti hatásai, oktatási és turisztikai potenciálja (3 partner)
 - **TÉT ES-34/2008** Primér kőzet geokémiai és kőzet eredetű víz-savasodási folyamatok karbonátos kőzetekhez kötött szulfidos ércesedések előfordulásain Rudabányán (Magyarország) és Asturiasban (Spanyolország)
 - **TÁMOP-4.2.1.B-10/2/KONV-2010-0001** A felsőoktatás minőségének javítása kiválósági központok fejlesztésére alapozva a Miskolci Egyetem stratégiai kutatási területein
 - **TÁMOP-4.2.2.A-11/1/KONV -2012-0005** : Fundamental research into the exploitation of the economic development potentials of critical raw materials in international co-operation – **CriticEI**
 - **EFOP 3.6.2-16-2017-00010** . - Fenntartható nyersanyag-gazdálkodás tematikus hálózat fejlesztése - **RING 2017**
 - **GINOP-2.3.2-15-Stratégiai K+F műhelyek kiválósága/Miskolc** Földi energiaforrások hasznosításához kapcsolódó hatékonyság növelő mérnöki eljárások fejlesztése-**PULSE**

- Publications**
- MTMT ID: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10030555>
 - ResearchGate: <https://www.researchgate.net/profile/Madai-Viktor>
 - Google Scholar: <https://scholar.google.com/citations?user=qYh7fQ8AAAAJ&hl=hu>

Driving licence Category B (Auto)

Other skills and competences •