

## Curriculum vitae

### PERSONAL DATA

First name(s) / Surname(s): Zsolt Balázs Zákányi  
Place and date of birth: Hungary, Ózd, 14. 08. 1982.  
Assignment: Associate professor  
Sex: male  
Family Status: married, 2 Children

### WORKPLACE

University of Miskolc, Institute of Environmental Management  
[Associate professor] [2018-]  
  
University of Miskolc, Institute of Environmental Management  
[Assistant professor] [2015-2018]  
  
University of Miskolc, Institute of Environmental Management  
[Assistant lecturer] [2009-2015]

### EDUCATION

University of Nyíregyháza  
[Fire protection engineer] [2017-2019]  
  
Educational Studio '90 Ltd.  
[occupational safety technician] [2016-2017]  
  
Oktatási Stúdió'90 Kft.  
[fire safety lecturer] [2015- 2016]  
  
University of Sports Science  
[sports instructor (tennis)] [2013- 2014]  
  
Ph.D. in Earth Sciences  
University of Miskolc, Institute of Environmental Management,  
Department of Hydrogeology and Engineering Geology [12. December 2013.]  
Title of thesis: The DNAPL (Dense Non-Aqueous Phase Liquid)-type  
contaminants of simulation of transport processes in groundwater  
  
Advance Clay 2  
[Diocahedral Clay-Related Layer Silicates] [23 aug. – 2 szept. 2009.]  
Summer School,, ELTE  
  
Advance Clay  
[Diocahedral Clay-Related Layer Silicates] [18-29 July 2008.]  
Summer School, ELTE

MSc program Environmental engineer  
University of Miskolc, Hungary, Faculty of Earth Science and Engineering [2001-2006]

#### PRESENT EDUCATIONAL PORTFOLIO

Years spent in academia: 14 years  
Classes taught in Hungarian: Hydrogeology, Applied Hydrogeology, Environmental Protection, Site investigation and monitoring, Data Processing  
Classes taught in English: Methods of Environmental Assessment, Hydrogeology practice, Engineering- and hydrogeology practice

#### RESEARCH

Transport simulation of special contaminations (DNAPL, LNAPL)  
Hydrogeology  
Regional hydrodynamics modelling  
Fire and work safety

#### INTERNATIONAL EXPERIENCES

**INNOCSEK- Innovative Solutions in Using Permeable Reactive Barriers** team member [2009-2011]

**TÁMOP 4.2.1.B-10/2/Konv A Felsőoktatás Minőségének Javítása - A Kutatás-Fejlesztés-Innováció-Oktatás Fejlesztésén Keresztül** team member [2010-2013]

**WELLaHEAD a source of fresh thoughts in groundwater management (TÁMOP-4.2.2.B-11/1/KONV-2011-0049)** team member [2012-2015]

**PULSE "Developing efficiency-enhancing engineering processes for the use of geothermal energy resources"** team member [2016-2019]

**CLEAN DRINKING WATER: Member of the research team of the project "Multidisciplinary evaluation of safe care from source to user"** team member [2018-]

#### AWARD/CERTIFICATION

Attila József High School Good student, good athlete	2001
Republican Scholarship, University of Miskolc	2005
Hungarian Hydrological Society World Water Day competition 3 <sup>rd</sup> place	2005
University of Miskolc, bronze medal for studies	2005
X National Higher Education Environmental Science Student Conference, Special prize	2006
Hungarian Hydrological Society World Water Day competition, 1 <sup>st</sup> place	2006
Hungarian Hydrological Society World Water Day competition, 1 <sup>st</sup> place (poster)	2006
University of Miskolc Gold Medal for Studies	2006

XXVIII OTDK, special prize	2007
Hungarian Hydrological Society World Water Day competition, I. place (photo poster competition)	2009
National Excellence Programme - Ányos Jedlik PhD Candidate Scholarship	2013
Award for Excellence in Environmental Engineering Higher Education	2019
Miskolc Academic Committee - Szentpáli István Szentpáli Science Prize	2020

## STUDY TRIPS ABROAD

Exchange of teachers and researchers in the field of remediation of contaminated sites - University of Umea (Sweden) -	[September, 2007]
Exchange of teachers and researchers in the field of remediation of contaminated sites - University of Umea (Sweden) -	[May, 2008]

## PUBLICATIONS

Number of publications: 186  
Number of citations: 95  
Total impact factor: 19.050

MTMT (Hungarian Science Bibliography) identifier: 10021936  
ORCID identifier: <https://orcid.org/0000-0003-1848-2688>

## MEMBERSHIP

Member of the Debrecen Academic Committee - Hydrology Working Committee	[2011- present]
Miskolc Academic Committee - Member of the Working Committee on Earth Sciences	[2012- present]
MAB- Secretary of the Working Committee on Earth Sciences	[2017- present]
Member of the Public Council of the Hungarian Academy of Sciences	[2015-present]