

## CURRICULUM VITAE

Name: **Prof. Dr. Péter Szűcs**  
Address: Department of Hydrogeology and Engineering Geology  
Institute of Environmental Management  
University of Miskolc, Faculty of Earth Science and Engineering  
3515. MISKOLC-EGYETEMVAROS  
HUNGARY  
Telephone: (36)-(46)-565-111 / 10-61  
Fax: (36)-(46)-565-072  
E-Mail: [hgszucs@uni-miskolc.hu](mailto:hgszucs@uni-miskolc.hu)  
Date of Birth: 29 JUNE 1964  
Nationality: HUNGARIAN  
Marital Status: MARRIED

## EDUCATION

1983 - 1988 University of Miskolc, Faculty of Mining Engineering, Hungary  
1978 - 1982 Kilian Gyorgy Grammar-school, Hungary

## QUALIFICATIONS

Corresponding member of the Hungarian Academy of Sciences	2022
Dr. habil. Habilitation at the University of Miskolc,	2009
D.Sc. Doctor of Science in hydrogeology, Hungarian Academy of Sciences,	2009
Ph.D. In geological sciences, University of Miskolc,	1996
DR. UNIV. In applied geophysics, University of Miskolc,	1993
M.SC. In applied geophysics, University of Miskolc,	1988

(with honours)

## OTHER QUALIFICATIONS

Regional advanced training course on the application of isotope techniques	International Atomic Energy Agency and VITUKI, Budapest, October 20-31, 2008.
Distance Training on the Proposed EU Water Framework Directive	European Training Foundation Phare 1999. Multi-Country Programme for Distance Education
Research Manager course	Research Organization Institute 1996. Hungarian Academy of Sciences

## POSITIONS AND EXPERIENCE

Vice-rector for general affairs	University of Miskolc, since September 1, 2020
Dean	University of Miskolc, Faculty of Earth Science and Engineering since July 1, 2013 till August 31, 2020
Department head	Department of Hydrogeology and Engineering Geology, University of Miskolc, 2010- to present
Institute director	Institute of Environmental Management, University of Miskolc, August 31, 2015 – July 31, 2016
Professor	Department of Hydrogeology and Engineering Geology, University of Miskolc, 2010- to present
Associate Professor	Department of Hydrogeology and Engineering Geology, University of Miskolc, 1998- 2010
Senior Research Associate	Department of Reservoir Engineering Research Laboratory for Mining Chemistry of the Hungarian Academy of Sciences, Miskolc 1996 - 1998
Research Associate	Department of Reservoir Engineering Research Laboratory for Mining Chemistry

	of the Hungarian Academy of Sciences, Miskolc 1995 - 1996
Assistant professor	Geophysical Department, University of Miskolc 1995
Assistant lecturer	Geophysical Department, University of Miskolc 1989 - 1995
Fellow of the Hung. Academy of Scien.	Geophysical Department, University of Miskolc 1988 - 1989

- specialized in hydrogeology, well logging and geostatistics
- have a great deal of experience in statistical interpretations of geo-data
- familiar with geophysical and hydrogeological inversion methods
- worked in various research projects of oil, gas and water prospecting
- improved formation and reservoir damage models
- participated in reservoir engineering research projects
- experienced with water quality modeling and subsurface transport modeling
- hydrodynamic investigation and flow modeling of groundwater systems
- solution of well hydraulics and dewatering problems
- mineral and cure water, and geothermal resources prospecting
- hydrogeological investigation of geothermal systems
- the effects of extreme weather conditions on the natural recharge of groundwater resources
- sustainable groundwater management

#### **SCHOLARSHIPS AND SCIENTIFIC VISITS**

1 WEEK	ERASMUS Teachers Mobility	2015	Montanuniversitaet Leoben, Department of Environmental and Energy Process Engineering, Leoben, Austria
1 WEEK	ERASMUS Teachers Mobility	2015	TU Bergakademie, Institute for Geology, Freiberg, Németország
1 WEEK	ERASMUS Teachers Mobility	2014	Montanuniversitaet Leoben, Department of Environmental and Energy Process Engineering, Leoben, Austria
1 WEEK	ERASMUS Teachers Mobility	2013	Montanuniversitaet Leoben, Department of Environmental and Energy Process Engineering, Leoben, Austria
1 WEEK	ERASMUS Teachers Mobility	2012	TU Bergakademie, Institute for Geology, Freiberg, Germany
1 WEEK	ERASMUS Teachers Mobility	2012	Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria
1 WEEK	ERASMUS Teachers Mobility	2011	Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria
1 WEEK	ERASMUS Teachers Mobility	2010	TU Bergakademie, Institute for Geology, Freiberg, Germany
1 WEEK	ERASMUS Teachers Mobility	2009	TU Bergakademie, Institute for Geology, Freiberg, Germany
0.5 MONTH	Hungarian-Austrian Science and Technology Program Researchers Mobility,	2008	Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria
1 WEEK	ERASMUS Teachers Mobility	2008	Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria
1 WEEK	LEONARDO Teachers Mobility	2007	

	University of Umea, Institute of Environmental Chemistry Umea, Sweden	
0.5 MONTH	Hungarian-Austrian Science and Technology Program Researchers Mobility, 2006 Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria	
2 MONTHS	Visiting Professor 2006 Department of Energy Resources Engineering Stanford University, Stanford, California, USA	
1 WEEK	ERASMUS Teachers Mobility 2006 Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria	
0.5 MONTH	Hungarian-Austrian Science and Technology Program Researchers Mobility, 2005 Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria	
1 WEEK	ERASMUS Teachers Mobility 2004 Montanuniversitaet Leoben, Dept. of Geosciences, Division of System Analysis and Environmental Engineering, Leoben, Austria	
3 MONTHS	FULBRIGHT Research Grant 2003 University of Oklahoma, School of Petroleum and Geological Eng., Norman, USA	
3 MONTHS	Visiting Researcher, flow modeling 2002 NATO Science for Peace (SfP 973684) Project University of Liege, Laboratory of Hydrogeology, Liege, Belgium	
2.5 MONTHS	Visiting Professor 2000 Department of Earth and Atmospheric Sciences University of Alberta, Edmonton, Canada	
2 MONTHS	DAAD Research Grant 1998 Institut für Erdöl- und Erdgasforschung Clauthal-Zellerfeld, Germany	
5 MONTHS	FULBRIGHT Research Grant 1994 -1995 University of Oklahoma, School of Petroleum and Geological Eng., Norman, USA	
1 MONTH	TEMPUS scholarship 1993 TNO Institute, Delft, The Netherlands	
4 MONTHS	TEMPUS scholarship 1992 Institut Francais du Petrole (IFP) Paris, France	
2 MONTHS	STATE scholarship 1992 Regional College of Rogaland Stavanger, Norway	

### **RESEARCH PROJECT LEADERSHIP**

- Hungarian Scientific Research Fund	OTKA F16804	1995-1997
The role of geophysics and drilling technology in formation protection		
. Hungarian Scientific Research Fund	OTKA F22665	1997-1999
The investigation of the relations of in-situ and surface petrophysical parameters		
- Hungarian Scientific Research Fund	OTKA T31741	2000-2002
Inverse methods in hydrogeology		
- Hungarian Scientific Research Fund	OTKA T48329	2005-2007
Improvement of geostatistical methods to increase the reliability of hydrogeological methods		
- GVOP-3.1.1.-2004-05-0187/3.0	Consortium partner leader	2005-2007
Improvement of geophysical methods to detect underground contaminations		
- National Office for Research and Technology (NKTH), MECENATURA Program, Project leader, Innovative solutions in water resources protection. Handbook preparation focusing on EU legislations.		
- MTA-ME Research Group of Geoengineering,	project leader	2012-2022

- Well-a-head TAMOP project to increase the groundwater research potential of the University of Miskolc, project leader, 212-2014
- KINDRA HORIZON 2020 Research Project 642047. Knowledge Inventory for Hydrogeology Research. Project partner: University of Miskolc. Partner leader: Dr. Szűcs Péter. Project duration: 2015. jan. 1. - 2017. dec. 31. Financial support of the University of Miskolc: 80 000 Euro.

### **TEACHING EXPERIENCE**

I led undergraduate and graduate courses at the University of Miskolc in geophysics, well logging and geostatistics from 1988 to 1998. I have given lectures in hydrogeology, applied hydrogeology, water quality protection, well hydraulics, dewatering, introduction to hydrogeology and hydrogeological data processing for BSc, MSc and PhD students at the University of Miskolc since 1998.

As an invited lecturer, I have taught the Water management course at the Department of Applied and Environmental Geology, Eötvös Loránd University, Budapest since 2001.

### **LANGUAGES**

- speak and write English in advanced level
- passed an advanced-level State Board English language examination in 1995
- passed a successful TOEFL examination in Oklahoma in 1994
- passed a basic-level State Board Russian language examination in 1988

### **MEMBERSHIPS**

- Member of the Association of Hungarian Geophysicists (1987-)
- Member of the Hungarian Geological Society (1988-)
- Member of the Society of Professional Well Log Analysts, Houston, USA (1994-2006)
- Member of the Hungarian Fulbright Alumni Association (1995-)
- Member of the Hungarian Hydrological Society (1998-)
- Member of the Hungarian Mining and Metallurgical Association (1998-)
- International Association of Hydrogeologists, United Kingdom (2000-)
- International Association of Hydrological Sciences (2002-)

### **SCIENTIFIC COMMITTEE**

- Mining Chemistry Research Committee, Hungarian Academy of Sciences, membership, 2000-2002
- Mining Environmental Protection Committee, Miskolc Academy Committee, membership, 1999-2002
- Mineral Processing and Environmental Protection, Committee, Miskolc Academy Com., member, 2003-
- Hydrogeology Committee, Debrecen Academy Committee, membership, 2003-2008
- Hydrogeology Committee, Debrecen Academy Committee, president, 2008-
- Hungarian Scientific Research Fund, Earth Science I. Committee member, Feb. 1, 2006 – Jan. 31, 2010
- Hungarian Academy of Sciences, Secretary of the Doctoral Committee at the X. Earth Science Class.

### **AWARDS**

- Officer's Cross of the Hungarian Order of Merit, 2019
- Technical University of Kosice, Faculty of Mining, Ecology, Process Control and Geotechnologies, gold medal, 2014. and 2017.
- Pro Univeristate Award, University of Miskolc, 2013
- Vitalis Sandor publication award, Hungarian Hydrological Society, 2008.
- Hungarian Academy of Sciences, MOL Scientific Award, November 2007.
- Janos Bolyai Research Scholarship, September 1, 2004 – August 31, 2007
- Istvan Szechenyi Scholarship, September 1, 2001 – August 31, 2004
- Janos Bolyai Research Scholarship, June 1, 1998 – May 31, 2001
- Appreciative Charter from the Advisory Board of the Janos Bolyai Research Scholarship, 2002
- Research Award of Miskolc Regional Committee of the Hungarian Academy of Sciences in 1998
- Szadeczky-Kardoss Elemer Reward given by the Section of Earth Sciences of the Hungarian Academy of Sciences in 1997, in 1998 and in 2001
- II. Prize winner presentation at the Conference of Young Experts of the Association of the Hungarian Geophysicists in 1996

Memorial Leaf of the Association of Hungarian Geophysicists in 1994  
Award of the MicroCad - Valet Foundation in 1991  
The Best Well Logging Application Prize winner presentation at the Conference of Young Experts of the Association of the Hungarian Geophysicists in 1989  
Hungarian Republic Scholarship, two times, 1986-1987, 1987-1988  
Gold Study Medal from the University of Miskolc, three times, 1986, 1987, 1988  
Bronze Study Metal from the University of Miskolc, 1985

### **PUBLICATIONS**

Number of publications:	604
Number of independent citations:	658
Hirsh index:	15

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10000736>

### **OTHER UNIVERSITY ACTIVITY**

Secretary of the Faculty Council, Faculty of Applied Earth and Geosciences, University of Miskolc, 1999-2002  
Deputy Dean of the Faculty of Applied Earth and Geosciences, University of Miskolc from July 1, 2009.  
Dean of the Faculty of Applied Earth and Geosciences, University of Miskolc from July 1, 2013 till August 31, 2020.  
Leader of the Mikoviny Samuel Earth Science Doctoral School at the University of Miskolc from 2018.  
Member of the Senate of the University of Miskolc from 2013.