

# Curriculum Vitae – Viktor Gábor MIHUCZ



Viktor Gábor MIHUCZ, PhD, Dr. habil., MEd.  
Research Group of Environmental Chemistry and Bioanalytics  
Institute of Chemistry  
Eötvös Loránd University - ELTE  
Pázmány Péter stny 1/A  
H-1117 Budapest, Hungary  
Tel. 0036705221977  
Fax. 003613722608  
email: viktor.mihucz@ttk.elte.hu  
website: <https://chemistry.elte.hu/>  
<https://orcid.org/0000-0002-5320-669X>  
Scopus Author ID: 6602373855

## Personal Data

Date of Birth: 31.12.1972  
Place of Birth: Oradea (Nagyvárad), Romania  
Nationality: Hungarian-Romanian

## Research Interests & Research Achievements

- Arsenic speciation in environmental and food matrices
- Water quality, wastewater treatment
- TXRF spectrometry
- Hyphenated techniques for elemental speciation (e.g. liquid chromatography - inductively coupled plasma mass spectrometry)
- Liquid chromatography – mass spectrometry
- Participant in 10 Hungarian, 1 EC (OFFICAIR), 2 COST Actions (in one of them Workgroup leader) supervisor of 2 ÖMAA research projects, 2 NRDIO (Hungary) bilateral scientific cooperation project leader with China and Portugal, CHARM-EU Erasmus+ Project (Module coordinator on Food – Environment – Health Nexus of the Flexible Phase Master Programme).

## Scientific and Professional Background

2015 – Associate professor, Institute of Chemistry, ELTE - Eotvos Lorand University  
2014 Dr. Habil., ELTE - Eotvos Lorand University, Budapest  
2008 - Senior lecturer, Institute of Chemistry, ELTE - Eotvos Lorand University  
2007-2008 Assistant lecturer, Institute of Chemistry, ELTE - Eotvos Lorand University  
2002 PhD in Chemistry, ELTE - Eotvos Lorand University, Budapest  
1999 – 2007 Environmental and Macromolecular Chemistry Research Group of Hungarian Academy of Sciences, researcher  
1998 – 2001 PhD studies, ELTE - Eotvos Lorand University, Budapest  
1999 MEd in Chemistry, ELTE - Eotvos Lorand University, Budapest  
1998 MSc in Chemistry, ELTE - Eotvos Lorand University, Budapest  
1996 – 1998 Specialization in Environmental Chemistry, ELTE - Eotvos Lorand University, Budapest  
1993 – 1998 Chemistry, ELTE - Eotvos Lorand University, Budapest

## Honors

- CHARM-EU Award issued by ELTE (2022)

- Presisich Miklós Award issued by the Hungarian Chemical Society (2020)
- Pungor Ernő Award issued by the Hungarian Academy of Sciences (2016)

### Memberships

- Research Quality Evaluation Referee for the University of Torino, Italy (2021-)
- Associate Editor of the Brazilian Journal of Analytical Chemistry (2020 - )
- Reviewer of research projects for the National Research, Innovation and Development Office (2020-)
- Hungarian Spectrochemical Society, president (2019-); secretary (2015-2019)
- Member of the Steering Committee of the Hungarian Chemical Society (2019-)
- Scientific Committee for Analytical and Environmental Chemistry of the Hungarian Academy of Sciences, secretary (2018-);
- Editorial Board member for Applied Spectroscopy Reviews (2015 - )
- Editorial Board member for Microchemical Journal (2013 -)
- Cooperative Research Centre for Environmental Sciences, member (2007-)
- Hungarian Satellite Trace Elements Institute to UNESCO, member (2000-)
- Hungarian Chemical Society, member (1999-)

### Organisation of conferences:

- 2019 6<sup>th</sup> Sino-Hungarian Symposium on Environmental Protection
- 2016 16th European Symposium on Atomic Spectrometry Conference – conference secretary
- 2009 XXXVI Colloquium Spectroscopicum Internationale – conference secretary
- 2005- Hungarian-Italian Symposium on Spectrochemistry (Series)
- 1997- Hungarian Spectrochemical Conference (Series)

### Invited Lectures

2 invited talks at international conferences - Rio Symposium (2017; 2019)

**Ad-Hoc Reviewer** for international peer-reviewed journals (selection): Applied Spectroscopy Reviews, Environmental Research, Food Chemistry, X-ray spectrometry, Microchemical Journal, Spectrochimica Acta B, Science of the Total Environment,

### Cooperation partners :

Atomintitut, Technical University of Vienna, Austria (Prof. Christina Strelí)

China University of Geosciences, Beijing, China (Prof. Jun Yao)

National Health Institute Doutor Ricardo Jorge, Porto, Portugal (Dr. Joana Madureira)

Università dell'Insubria, Como, Varese, Italy (Dr. Andrea Cattaneo)

### Publications

Number of publications in peer-reviewed journals: 90 (Scopus)

number of book chapters: 1

number of edited books (in Hungarian): 1

H-index: 23 ( Scopus)

number of independent citations: 1668 (Scopus)

Full list of publications: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10013287>

### Supervision of PhD students

Dr. Mihucz has been supervising 4 PhD students (2 ongoing)

### 10 most important publications of Viktor G. Mihucz

1 Keresztes, S ; Tatar, E ; Mihucz, VG ; Virag, I ; Majdik, C ; Zaray, G. Leaching of antimony from polyethylene terephthalate (PET) bottles into mineral water. SCIENCE OF THE TOTAL ENVIRONMENT 407 : 16 pp. 4731-4735. , 5 p. (2009) <https://doi.org/10.1016/j.scitotenv.2009.04.025>

2 Szoboszlai, N ; Polgari, Z ; Mihucz, VG ; Zaray, G. Recent trends in total reflection X-ray fluorescence spectrometry for biological applications. ANALYTICA CHIMICA ACTA 633 : 1 pp. 1-18. , 18 p. (2009) <https://doi.org/10.1016/j.aca.2008.11.009>

3 Keresztes, S ; Tatar, E ; Czegeny, Z ; Zaray, G ; Mihucz, VG. Study on the leaching of phthalates from polyethylene terephthalate bottles into mineral water. SCIENCE OF THE TOTAL ENVIRONMENT 458-460 pp. 451-458. , 8 p. (2013) <https://doi.org/10.1016/j.scitotenv.2013.04.056>

4 Mihucz, VG ; Tatar, E ; Virag, I ; Zang, C ; Jao, Y ; Zaray, G. Arsenic removal from rice by washing and cooking with water. FOOD CHEMISTRY 105 : 4 pp. 1718-1725. , 8 p. (2007) <https://doi.org/10.1016/j.foodchem.2007.04.057>

5 Sakellaris, Ioannis A; Saraga, Dikaia E ; Mandin, Corinne ; Roda, Céline ; Fossati, Serena ; de Kluizenaar, Yvonne ; Carrer, Paolo ; Dimitroulopoulou, Sani ; Mihucz, Victor G ; Szigeti, Tamás. Perceived Indoor Environment and Occupants' Comfort in European "Modern" Office Buildings: The OFFICAIR Study INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 13 : 5 Paper: 444 , 15 p. (2016) <https://doi.org/10.3390/ijerph13050444>

6 Mihucz, VG ; Silversmit, G ; Szaloki, I ; de Samber, B ; Schoonjans, T ; Tatar, E ; Vincze, L ; Virag, I ; Yao, J ; Zaray, G. Removal of some elements from washed and cooked rice studied by inductively coupled plasma mass spectrometry and synchrotron based confocal micro-X-ray fluorescence. FOOD CHEMISTRY 121 : 1 pp. 290-297. , 8 p. (2010) <https://doi.org/10.1016/j.foodchem.2009.11.090>

7 Mihucz, Viktor Gábor ; Tatár, Enikő ; Virag, I ; Cseh, E ; Fodor, Ferenc ; Záray, Gyula. Arsenic speciation in xylem sap of cucumber (*Cucumis sativus* L.). ANALYTICAL AND BIOANALYTICAL CHEMISTRY 383 : 3 pp. 461-466. , 6 p. (2005) <https://doi.org/10.1007/s00216-005-3325-y>

8 Mandin, C; Trantallidi, M ; Cattaneo, A ; Canha, N ; Mihucz, VG ; Szigeti, T ; Mabilia, R ; Perreca, E ; Spinazzè, A ; Fossati, S et al. Assessment of indoor air quality in office buildings across Europe - The OFFICAIR study. SCIENCE OF THE TOTAL ENVIRONMENT 579 pp. 169-178. , 10 p. (2017) <https://doi.org/10.1016/j.scitotenv.2016.10.238>

9 Bluysen, PM ; Roda, C ; Mandin, C ; Fossati, S ; Carrer, P ; de Kluizenaar, Y ; Mihucz, VG ; de Oliveira, Fernandes E ; Bartzis, J. Self-reported health and comfort in 'modern' office buildings: First results from the European OFFICAIR study. INDOOR AIR 26 : 2 pp. 298-317. , 20 p. (2016) <https://doi.org/10.1111/ina.12196>

10 Resano, M ; Ruiz, EG ; Mihucz, VG ; Moricz, AM ; Zaray, G ; Vanhaecke, F. Rapid screening method for arsenic speciation by combining thin layer chromatography and laser ablation-inductively coupled plasma-dynamic reaction cell-mass spectrometry. JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY 22 : 9 pp. 1158-1162. , 5 p. (2007) <https://doi.org/10.1039/B704963C>