

Name: Dr. habil. Márk Kálmán Horváth

Position: associate professor, team leader

Academic degree: PhD (2012), habil (2020)

Telephone number: +36(28)522-000 2306

E-mail: Horvath.Mark.Kalman@uni-mate.hu

Institute of Environmental Sciences, Department of Environmental Analysis and Technology,
Environmental Chemistry Group

Professional experience:

- 2019 - : Associate Professor (Hungarian University of Agricultural and Life Sciences)
- 2013 - 2019: Research Associate (Szent István University)
- 2016 - : Ministry of Innovation and Technology, State Project Evaluator
- 2012 - : National Accreditation Authority, Qualifier
- 2012 - : Deputy Head of Laboratory (Research Laboratories III and IV)
- 2010 - : Deputy Radiation Protection Officer, Deputy Laboratory Manager (Isotope Laboratory)
- 2010 - 2013 : Departmental Engineer (Szent István University)
- 2001 - 2002: National Ambulance Service

Education, qualifications:

- 2003 - 2007: Szent István University, certified engineering teacher
- 2002 - 2007. Szent István University, MSc in Environmental Engineering
- 2019: SOMOS Foundation, Comprehensive Degree in Radiation Protection
- 2018: National Directorate General for Disaster Management, 40-hour basic firefighting course
- 2017: Szent István University, Fire Protection Examination
- 2015: GAK, Biomass energy consultant
- 2014: SOMOS Foundation, Comprehensive degree in radiation protection
- 2010: TÜV, Environmental Management System Developer
- 2010: SOMOS Foundation, Advanced Level Radiation Protection

Research activity:

- Fractionation
- Sequential extraction
- Elemental analytical measurements, method development
- Instrumental analytics

Information on doctoral studies: https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=24169

Publication details:

<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10022469&view=simpleList>

Subjects taught:

- Radiation science, radiation protection (BSc)
- Safety Engineering and Radiation Protection (MSc)
- Security Systems and Radioprotection (MSc)
- Engineering Communication and Behaviour (BSc)
- Fundamentals of Environmental Analysis and Monitoring (BSc)
- Health and Safety (BSc)
- Instrumental Environmental Analysis, Monitoring (MSc)
- Noise and Vibration Protection (BSc)
- Environmental Analysis (MSc)
- Air Quality and Noise Protection (MSc)
- Instrumental Analysis (PhD)

Thesis topics:

- Environmental impact assessment of industrial plants in Hungary
- Comprehensive monitoring of sediment in surface watercourses
- Investigation of pollution of natural waters
- Investigation of various human environmental pollution activities
- Investigation of radon exhalations from construction materials, construction waste
- Determination of radon activity in buildings, caves
- Radiological mapping of open areas, determination of radon activity concentrations in soil gas