

# Curriculum Vitae

## Personal Information:

Name: Giczi Zsolt  
Date of Birth: 1979.02.02.  
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## Education and Qualifications:

2021: PhD degree in Plant Production and Horticultural Sciences  
2018: MSZ EN ISO/IEC 17025:2018 Internal Auditor and Quality Management Representative, Narvál Kft  
2018: MSZ EN ISO/IEC 17025:2018 Training and Maintenance, Hungarian Standards Institution  
2014: Technical qualifications in Chromatography, Per-Form Hungária Kft  
2011: Internal Auditor ISO/IEC 17025:2005 for Laboratories, Tequa International Kft  
2003: Chemist degree, Eötvös Loránd University, Budapest

## Work Experience:

### **2017 - Present: Széchenyi István University, Faculty of Agriculture and Food Sciences, Department of Food Science, assistant professor 2017-2021, associate Professor, 2021-Present**

Compilation of the Soil Testing Laboratory's test palette, procurement coordination of necessary equipment, devices, and consumables. Design of necessary renovations for the laboratory rooms. Development and implementation of soil testing methods according to relevant Hungarian standards, conducting classical analytical and large-scale instrumental analytical tests (ICP-AES, UV-VIS, FIA) on soil, plant, feed, water, and food samples.

Initiation of MSZ EN ISO/IEC 17025:2018 quality management system in the Soil Testing Laboratory. Participation in the Szigetköz Soil Moisture Monitoring program, installation of data logging devices, and conducting laboratory calibration measurements. Participation in the Insula Magna project and the SKHU/1802/3.1/023/B1 Interreg Co-innovation grant. Laboratory testing of food (peroxide value, acid value, starch content, NIR grain analysis, ICP-AES elemental analysis), plant (dry matter content, ICP-AES elemental analysis), and soil samples (nutrients and some physical and physicochemical properties) for the Faculty's educational and research work, as well as external partners of the Soil Testing Laboratory.

Involvement in the teaching activities of the Faculty. Teaching courses in the field of chemical fundamentals, general and inorganic chemistry, and environmental measurement techniques. Teaching the subject of biochemistry in English and participating in the English-language teaching of soil science. Supervising thesis and TDK (Scientific Students' Associations) works with analytical testing and co-supervision.

### **2015 - 2017: Mylan Hungary Kft QC Analyst**

Preparation of Standard Operating Procedures (SOP) for AAS, GC-MS, TOC, and ICP-MS instruments.

Participation in testing software controlling analytical instruments, preparation of GMP-compliant software validation protocols and reports, involvement in software validation processes.

Development of TOC analytical method for the analysis of cleaning agent residues and purified water according to Pharmacopoeia. Preparation of cleaning validation risk assessments, cleaning validation protocols, and reports.

Participation in the development and validation of the ICP-MS method according to ICH Q3D Elemental Impurities guide.

Conducting dissolution tests using UV/VIS spectrophotometers and HPLC instruments. Analysis of elemental impurities using ICP-MS. Sample collection and cleaning agent residue analysis for cleaning validation.

**2005 - 2015: UIS Hungary Laboratory Testing and Service Ltd/synlab Environmental Institute Hungary Ltd**

**Head of Laboratory (2005-2015), Internal Auditor (2011-2015), Quality Management Representative (2005-2012), Quality Management Manager (2012-2015), Executive Director (2010-2015)**

Introduction and application of physical, physico-chemical, and inorganic chemical analytical methods for the examination of soil samples, plant materials, and water samples (surface, subsurface, and irrigation waters) in the laboratory. Performing instrumental analytical tests using ICP-OES, FIA, GFAAS, CVAAS, UV/VIS spectrophotometers. Validation of testing methods and results, preparation, and approval of test reports. Participation in the introduction of organic analytical methods (GC-FID, GC-MS), preparation, and approval of test reports.

Communication with clients, authorities, and the accrediting body, ensuring the resources for conducting tests.

Development of laboratory-specific part of the synlab Umweltinstitut group's quality management system according to DIN EN ISO/IEC 17025:2005 standard, maintaining and improving the quality management system. Active participation in the DAP and DAkkS accreditation processes (2005-2012).

Participation in the development, implementation, and operation of the quality management system according to MSZ EN ISO/IEC 17025:2005. Active participation in the NAT accreditation process (2012-).

**2003 - 2005: University of West Hungary, Faculty of Agriculture and Food Sciences, Department of Chemistry**

**Department Engineer**

Conducting general and inorganic chemistry laboratory practices, leading plant protection chemistry laboratory practices. Participation in research work at the Department of Chemistry. Main research areas: production and application of metal complexes with various ligands and slow-release fertilizers in field experiments.

**Language Skills:**

English, intermediate level (C type, 2002)

German, ÖSD Zertifikat B2 (intermediate level comprehensive, 2019)

**Computer Skills:**

Microsoft Word®, Excel®, Access®, Power Point®, Visual Basic, Python, R/RStudio, C++

**Driver's License:**

Category B

**List of Publications:**

MTMT Identifier: 10067329

<https://m2.mtmt.hu/api/publication?format=html&labelLang=hun&sort=publishedYear,desc&cond=author;eq;10067329>

Mosonmagyaróvár, July 25, 2023.

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Giczi Zsolt