

Dr. Balázs Ásványi

Associate professor • Associate dean for corporate relations

Contact

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Language skills:

German (intermediate, levels A and B)

Certificate: 21692; A131343 (105131)

English (intermediate, Type C)

Certificate: A504993 (459504)



Current position

Széchenyi István University, Albert Kázmér Faculty of Agricultural and Food Sciences in Mosonmagyaróvár –
associate professor and associate dean for corporate relations
H-9200 Mosonmagyaróvár, Lucsony St. 15-17., Hungary

Studies and academic degrees

- **2024:** Óbuda University Donát Bánki Faculty of Mechanical and Safety Engineering - metrology engineer
- **2024:** Internal auditor (in accordance with MSZ EN ISO/IEC 17043:2023)
- **2020:** Internal auditor and quality manager (in accordance with MSZ EN ISO/IEC 17025:2018)
- **2018:** Habilitated Doctor (Food Sciences)
- **2005:** PhD (dissertation title: „*Optimization of single-cell protein production using Kluyveromyces strains*”, *summa cum laude*)
- **1996–2001:** M.Sc. in Food Quality Assurance, West-Hungarian University Faculty of Agricultural and Food Sciences

Professional experience

- **2023–present:** Széchenyi István University – associate dean for corporate relations
- **2016–present:** Széchenyi István University, Albert Kázmér Faculty of Agricultural and Food Sciences in Mosonmagyaróvár - associate professor (Department of Food Science)
- **2014–2016:** University of West Hungary Faculty of Agricultural and Food Sciences - associate professor (Department of Food Science)
- **2010–2023:** Galen Bio Kft. - leader of microbiology laboratory
- **2009-2010:** RT-Europe Nonprofit Kft. - collaborating researcher
- **2007–2014:** University of West Hungary Faculty of Agricultural and Food Sciences – assistant professor
- **2004–2007:** University of West Hungary Faculty of Agricultural and Food Sciences – departmental engineer

- **2006:** HEFOP (Human Resources Development Operational Program) scholarship holder
- **2008:** HEFOP (Human Resources Development Operational Program) scholarship holder
- **2004:** CEEPUS (Central European Exchange Programme for University Studies) scholarship holder

Management assignments

- Széchenyi István University, Albert Kázmér Faculty of Agricultural and Food Sciences in Mosonmagyaróvár - Head of the Microbiology, Biotechnology and Texture analysing Laboratory (2024–present)
- leader of “Microbiology laboratory assistant” short course (2023–present)
- Subject coordinator: MSc in Food Safety and Quality (2024–present)
- Széchenyi István University, Albert Kázmér Faculty of Agricultural and Food Sciences in Mosonmagyaróvár– associate dean for corporate relations (2023–present)
- Galen Bio Kft. - head of laboratory (accreditation number NAT-1-1695/2021) (2010 – 2023)
- University of West Hungary, Faculty of Agriculture and Food Sciences - head of microbiology laboratory (Accreditation number: DAP-PL-3042.00) (2008-2010)

Professional roles and public service

- Member of the editorial board of Acta Agronómica Óváriensis (2023–present)
- Member of the Cluster of Accredited Organizations (2016–2023)
- Member of the Hungarian National Committee of the European Organization for Quality (EOQ MNB) (2005–)
- Member of the Animal Welfare Committee (Galen Bio Kft.) (2010–2023)
- Member of the jury of the Pál Kitaibel Secondary School Biology and Environmental Protection Study Competition (2009, 2010, 2011, 2013; 2014; 2015; 2016; 2021, 2024)

Awards and honours

- Széchenyi István University Foundation Academic Scholarship (2024)
- Ministry of Education postdoctoral fellowship (2007)

Teaching and research activity

At NymE-MÉK (2004–2016) and Széchenyi István University AKMK (2016–present): Lecturer and course coordinator for BSc courses related to food science (e.g. General Microbiology, Food Microbiology and Hygiene I-II, Food Science, Food Diagnostic Methods, Data Analysis in Agriculture and the Food Industry).

Head and lecturer of the MSc program in Food Safety and Quality (Auditing Quality Systems, Characterization of Food Matrices - Food Science).

Supervisor and lecturer at the Wittmann Antal Multidisciplinary Doctoral School of Plant, Animal and Food Sciences at Széchenyi István University (e.g. Specifics of quality assurance in food production).

My research interests include studying the growth kinetics of yeasts, with a particular focus on their nutrient (macro- and microelement) requirements, as well as the use of ozone as an effective disinfectant in the food industry and agriculture. I actively experiment with the fermentation of agricultural and food industry by-products and the production of prototypes of functional and organic foods. I participate in industrial hygiene studies and the development of hygiene systems. In my experiments, I examine the effectiveness of certain antimicrobial substances. I am extensively involved in food, water, and feed diagnostics from a chemical and, more importantly, microbiological perspective. In connection with the latter, I have also participated in numerous diagnostic developments, primarily based on molecular biology. I have more than 25 years of laboratory diagnostic experience in the field of food, feed, and environmental diagnostics.

Supervision and talent management (total until 2025):

- 65 students who have obtained an MSc/BSc degree (2 in foreign languages)
- Supervision/co-supervision of 5 PhD students
- Currently co-supervising 3 domestic PhD students
- Support for 12 faculty TDK projects (1 in a foreign language) (of which 3 won first place and 1 won third place)
- Preparation of 10 students for OTDK (1st place: 1; special award: 2)
- Supervision of 1 student in the K&H "For Sustainable Agriculture" (2024) scholarship competition (1st place in the BSc category)

Project proposals and project activities

Over the past 15 years, I have served as the designated professional leader or contributor to numerous domestic and EU grant applications (selected list):

- /RRF-2.3.1-21-2022-00001/ – professional contributor
- NGM_SZERZ/162/3/2024 – professional contributor
- OASIS Project – project manager
- ÉLIP (SZIEA) – professional leader
- Stipendium (KPPJ22020T) – professional contributor
- Stipendium 2021.08-12 – professional contributor
- Digital Agricultural Academy Plus (DAA+) – professional contributor
- GINOP-2.2.1-18-2020-00024 – professional collaborator
- 2023-1.1.1-PIACI_FOCUSZ-2024-00046 – professional collaborator
- 2024-1.1.1-SME_FOCUS-2024-00086 – professional contributor
- 2024-1.1.1-SME_FOCUS-2024-00077 – professional contributor
- 2024-1.1.1-SME_FOCUS-2024-00069 – professional contributor
- Bábolna Brojler Kft. 2024-111-SME FOCUS – professional contributor
- HORIZON-CL6-2022-ZEROPOLLUTION-01-02 NENUPHAR2020-2.1.1-ED-2024-00293 – working group leader / scientific manager
- GINOP_PLUSZ-1.2.1-21-2021-03917 – professional contributor
- EFOP-3.6.3-VEKOP-16-2017-00008 – professional contributor
- Széchenyi István University Foundation KFI Program – professional contributor
- GOP-1.1.1-11-2012-0457 – professional leader
- GINOP-2.1.1 15 tender – professional leader

Publications, citations, patents**Publication data (MTMT, until 2025; ID: 10031190):**

- Scientific journal articles (Hungarian and foreign languages): 38 (13 + 15)
- Conference papers (Hungarian and foreign languages): 20 (9 + 11)
- Popular science articles: 2
- Abstracts: 15
- Books/book chapters: 2 (1 in progress)
- Total publications: 85
- Total citations: 128
- Hirsch index: 6

Patents:

- Domestic patent granted (2020): Microbiological material and process for composting herbal waste (Hungarian Patent No. P2000287/30; Registration No.: 231, 448)

Domestic and international professional activities

Professional cooperation with international market stakeholders in the agricultural and food industry (e.g., AGROFERT Group (Czech Republic), Grupa Producentów Warzyw Primavega Sp. z o.o. (Poland), Solaris Biotech (Italy), Sterogene Bioseparations (USA), Bartelt Gesellschaft m.b.H. Mkkk. (Germany)).

Cooperation with several European agricultural and food science institutions (e.g., Slovak University of Agriculture in Nitra; Wrocław University of Environmental and Life Sciences; Xu Zhou Institute of Technology; Jiaxing Municipality and Jiaxing University; Shandong Jiaotong University).

Organization and chairing of national and international conferences (e.g., Óvári Scientific Days; Digital Agricultural Compass; Portfolio Agrofood Conference 2025 (Section IV); AgroVIRTUS LeadersLab (jury member)).

Maintaining a corporate network of more than 300 members at the Albert Kázmér Faculty in Mosonmagyaróvár.

Since 2023, 18 new cooperation agreements or letters of intent have been established under my leadership.

Editorial board membership: Acta Agronomica Óváriensis.