

PERSONAL INFORMATION **András ÁCS**

WORK EXPERIENCE

31 Sept 2022- **Research fellow**
Balaton Limnological Research Institute, Ecophysiological and Environmental Toxicological Research Group

01 May 2017- 31 Aug 2022 **Research fellow**
Szent István University, Department of Aquaculture, 1. Páter Károly str. 2100 Gödöllő (Hungary)

Main tasks:

- Leading of own NRDI-FK-OTKA project
- Work package leader in H2020 TAPAS project (assessment of **antibiotics** in environmental samples using **biochemical markers** in fish and fish food organisms).
- Biochemical marker assessment of EDCs in environmental samples.
- Organization of sampling campaigns, sample preparation, definition of test endpoints and parameters.
- Contribution to other scientific projects
- Preparing of new project proposals

17 Mar 2016 - 30 Apr 2107 **Laboratory director**
MIVÍZ Miskolc Waterworks, 78 József A. str. 3527 Miskolc (Hungary)

Main tasks:

- Leading, planning and supervising the work of the laboratory group (3 facilities, 12 fellow workers).
- Controlling and monitoring of analytical/bacteriological/biological results, recommending actions to be taken in order to supply appropriate drinking water for approx. 170,000 inhabitants of Miskolc (Hungary), and to maintain wastewater treatment efficiency of approx. 70,000 m³/d sewage.
- Management of human and financial resources, optimal utilization of available free laboratory capacities, handling external orders and preparing price offers.
- Maintaining accreditation status, and regulatory/legal compliance.
- Preparation of periodic reports regarding quality of drinking water, water resources quality and sewage treatment efficiency, communication with governmental bodies and authorities.

1 Sep 2013–31 Aug 2015 **Postdoctoral fellow (postdoctoral grant)**
Hungarian Academy of Sciences, Centre for Ecological Research, Balaton Limnological Institute Klebelsberg K. u. 3, 8237 Tihany (Hungary)

Main tasks:

- Independent management of the scientific project (environmental toxicology assessment based on biochemical markers) connected to the postdoctoral grant.
 - Scheduling work steps, organization of samplings campaigns, implementation of samplings/sample preparation; planning, implementation and statistical evaluation of organic and inorganic **analytical assessments of water and sediment** samples (HPLC, GC, ICP-OES), ***In vivo* and *In vitro* biochemical, and standardized ecotoxicological assays**, preparing scientific publications.
 - Preparing reports on achieved scientific results, and expenditures.
- Contribution to other scientific projects
- Preparing of new project proposals

1 Sep 2010–31 Aug 2013

Assistant research fellow

University of Pannonia, Department of Limnology
Egyetem u. 10., 8200 Veszprém (Hungary)

Main tasks:

- Scientific communication manager of the international (IT, AUT, PL, HU) EuLakes (European Lakes Under Environmental Stressors; www.eulakes.eu) project in Hungary.
 - Internal and external communication between project partners, local authorities, first- and second level controllers, and media representatives.
 - Support of the scientific work by defining significant goals and scheduling tasks.
 - Contribution to budget planning / utilization / reallocation.
 - Organization of scientific and press conferences, project meetings, and steering committee meetings.
 - Preparing of progress and financial reports, and justification of expenditures.
- Participating in the research work of the department on the topic **ecotoxicology**, contribution in impact assessment of **anthropogenic pollutants** (e.g. urban aerosols, wastewaters) and natural products (e.g. cyanobacterial toxins).
- Leading of the Ecotox lab.
- Responsible for laboratory practices for students in aquatic ecotoxicology.
- Supervisor and consultant of MSc and BSc students by their diploma works.

EDUCATION AND TRAINING

1 Sep 2007–16 Sep 2010

PhD in Chemical Engineering

University of Pannonia and Hungarian Academy of Sciences, Balaton Limnological Institute
Egyetem u. 10., 8200 Veszprém (Hungary)

Thesys: Finding and applying alternative ecotoxicological test methods for detecting environmental pollutants.

1 Sep 2001–13 Jul 2007

MSc in Environmental Engineering (Specialization: environmental assessment and GIS applications)

University of Pannonia
Egyetem u. 10, 8200 Veszprém (Hungary)

8 Apr 2008–10 Apr 2008

Internal GLP auditor

University of Pannonia, Institute of Adult Education
Egyetem u. 10, 8200 Veszprém (Hungary)

Competences:

- Implementation quality management approach.
- Good laboratory practice (GLP) principles, legal regulation.
- Orientation among ISO standards.
- Quality certification and inspection.

12 Nov 2007–14 Nov 2007

Management Systems Internal Auditor

University of Pannonia, Institute of Adult Education
Egyetem u. 10, 8200 Veszprém (Hungary)

Competences:

- Implementation of quality management approach
- Principles of quality management systems, statutory regulations
- Orientation among ISO 9000 standards

PERSONAL SKILLS

Mother tongue(s)

Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
German	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Computer skills

Proficient user of MS Office applications

Proficient user of GIS applications (e.g. ESRI ArcGIS, Global Mapper, ASMWIN)

Proficient user of statistical software (e.g. Origin, Statistica)

Driving licence

A, B

ADDITIONAL INFORMATION

Publications

- Full SCI publication list: <https://scholar.google.com/citations?user=hoITRwgAAAAJ&hl=en&oi=ao>
- Full publication list: <https://vm.mtmt.hu/search/slist.php?lang=0&AuthorID=10022417#>

Awarded grants

- NRD young researcher OTKA (FK 128705) grant "Combined effect assessment of antibiotics and endocrine disrupting chemicals on fish growth (2019-2022)
- European Union and the State of Hungary in the framework of National Excellence Program (2014): Environmental stress-tolerance assessment on Dreissenid species present in Lake Balaton and watershed
- Postdoctoral grant awarded by the Hungarian Academy of Sciences (2013-15): Introduction of a monitoring scheme of freshwater pollution in Lake Balaton using biochemical markers