

Short Curriculum Vitae

András Abonyi, PhD

I am an **aquatic ecologist** with a solid expertise in **phytoplankton functional ecology and taxonomy**. Currently, I am eager to progress **biodiversity-ecosystem functioning research** by linking functioning to functional diversity at the assemblage level in natural lake and river phytoplankton. Also, I am keen on understanding the trophic role of **chytrid algal parasites** as a key functional group at the phytoplankton-zooplankton interface in **aquatic food webs**.

Education

- 09.2009 - 02.2015 PhD, Environmental Sciences, Doctoral School of Chemistry and Environmental Sciences, University of Pannonia, Department of Limnology, Veszprém, Hungary
- 09.2003 - 06.2009 MSc, Environmental Sciences, University of Pannonia, Department of Limnology, Veszprém, Hungary

Professional experiences

Employment

- 03.2019 - ongoing Postdoctoral Associate, LipTox, AquaScale, WasserCluster Lunz, Austria
- 07.2015 - 12.2015 Postdoctoral Fellow, MTA-PE Limnoecology Research Group, University of Pannonia, Veszprém, Hungary
- 07.2009 - 01.2015 Permanent job position, Phycology and phytoplankton biomonitoring, Bi-Eau, Angers, France

Research activities

- 03.2019 - ongoing Functional role of chytrid algal parasites in aquatic food webs, LipTox & AquaScale, WasserCluster Lunz, Austria (role: postdoctoral associate; with Dr. Serena Rasconi, Dr. Martin Kainz, Dr. Robert Ptacnik)
- 01.2018 - paused Functional diversity – ecosystem functioning relationship in natural lake and river phytoplankton communities, Postdoctoral Fellow (Awarded), NRDI Office, MTA Centre for Ecological Research, Institute of Ecology and Botany, Vácrtót, Hungary (role: project leader)
- 04.2016 - 12.2017 Long-term functional changes in the Danube River phytoplankton, Postdoctoral Fellow (Awarded), Hungarian Academy of Sciences, MTA Centre for Ecological Research, Danube Research Institute, Budapest, Hungary (role: project leader)
- 10.2015 - 03.2016 Biodiversity – functioning relationship in phytoplankton, Postdoctoral Fellow (Awarded), Ernst Mach Fellowship (OeAD, Austria), WasserCluster, Lunz, Austria (with Dr. Robert Ptacnik)
- 01.2015 - 03.2015 The role of rare taxa in phytoplankton, Campus Hungary Scholarship (Awarded), WasserCluster Lunz, training and project writing (with Dr. Robert Ptacnik)
- 05.2013 - 07.2013 Functional composition of the River Loire, Campus Hungary Scholarship (Awarded), Bi-Eau, Angers, France (supplementing PhD research)
- 09.2008 - 10.2008 Phytoplankton monitoring of Lake Erken, Norr Malma Limnological Field Station, Sweden (supplementing MSc research)
- 04.2008 - 07.2008 Cyanobacteria monitoring, Laboratoire Départemental d'Analyse et de Recherche, Dordogne, France (supplementing MSc research)

Project funding

- 05.2019 - 06.2019** **Abonyi A.** Functional diversity loss of phytoplankton affects ecosystem functioning and feedback mechanisms between aquatic primary and secondary producers (FEEDBEF) AQUACOSM: 2nd Transnational Access, LMU Munich, Seon Limnological Field Station, Germany [Budget covering travel, stay and per diem]
- 06.2018 - 07.2018** Bengtsson, M.M., Murray D., **Abonyi A.**, Mironova K. & Endrédi A. Microbial diversity and resilience as a function of spatial connectivity in alpine lake ecosystems (MicroDISCO). AQUACOSM: 1st Transnational Access. [Group budget covering travel, stay and per diem: 29,800 euros]
- 01.2018 - paused** **Abonyi A.** The functional diversity-ecosystem functioning relationship in natural phytoplankton communities. NRDIO OTKA PD, MTA Centre for Ecological Research, Institute of Ecology and Botany, Vácrátót, Hungary [Budget covering position, with no expenditures: 48,400 euros]

Invited presentations

- 11.2016** **INRA UMR CARRETEL**, Thonon-les-Bains, France
- 03.2015** **WasserCluster Lunz**, Lunz am See, Austria

Conference organisation

- 04.2019** **Fresh Blood for Fresh Water 2019**, Tihany, Hungary (funding, scientific program, invited speakers, <http://fbfw2019.okologia.mta.hu>)

Supervising

- 09.2016 - 07.2018** **MSc**, Botond Polgári, University of Veterinary Medicine, Budapest, in co-operation with **Prof H. Stibor**, LMU, Munich, Germany

Memberships & Jury

- 07.2020** **Member**, governance review, **International Society of Limnology**
- 04.2020** **Jury**, 3rd Fresh Project, **European Federation for Freshwater Sciences**
- 10.2019 -** National representative, **International Society of Limnology**
- 07.2018 -** National representative, **European Federation for Freshwater Sciences**
- 01.2016 -** Public member, Ecology section, **Hungarian Academy of Sciences**
- 2011 -** Member, **International Society of Limnology**

Languages English (professional), French (fluent), Hungarian (native)

Scientific activities **Associate Editor**: Journal of Limnology (PagePress), **Editor**: Community Ecology (Springer), >80 **reviews** for >20 WoS journals¹

Selected Awards and Recognition

- 2016, 2018** **Youth Award**, Hungarian Academy of Sciences (2018; 2016)
- 09.2015** **Outstanding Youth Researcher**, Academic Committee, Veszprém, Hungary
- 2015, 2013** **Campus Hungary Mobility Award** (Austria, 2015; France, 2013)
- 07.2013** **Wetzel Travel Award**, SIL, 32nd SIL, Budapest

¹ <https://publons.com/researcher/1183716/andras-abonyi/>

Selected ISI-referenced publications

- Abonyi, A.**, Kiss K.T., Hidas A., Borics G., Várbíró G. & Ács É. (2020) Cell size decrease and altered size structure of phytoplankton constrain ecosystem functioning in the middle Danube River over multiple decades. *Ecosystems* doi:10.1007/s10021-019-00467-6.
- Abonyi A.**, Ács É., Hidas A., ... & Kiss K.T. (2018) Functional diversity of phytoplankton highlights long-term gradual regime shift in the middle section of the Danube River due to global warming, human impacts and oligotrophication. *Freshwater Biology*, **63**, 456-472.
- Abonyi A.**, Horváth Z. & Ptacnik R. (2018) Functional richness outperforms taxonomic richness in predicting ecosystem functioning in natural phytoplankton communities. *Freshwater Biology*, **63**, 178–186.
- Abonyi A.**, Leitão M., Stanković I., Borics G., Várbíró G. & Padisák J. (2014) A large river (River Loire, France) survey to compare phytoplankton functional approaches: Do they display river zones in similar ways? *Ecological Indicators*, **46**, 11-22.
- Abonyi A.**, Leitão M., Lançon A.M. & Padisák J. (2012) Phytoplankton functional groups as indicators of human impacts along the River Loire (France). *Hydrobiologia*, **698**, 233-249.

Full publication list

Google Scholar: <https://scholar.google.com/citations?user=4PSamIoAAAAJ&hl=hu>
ResearchGate: https://www.researchgate.net/profile/Andras_Abonyi2