

## INFORMAȚII PERSONALE



## DÉNES Avar-Lehel

+40743995595

avar.lehel@gmail.com

Sex Male | Date of birth 02.07.1986 | Nationality Hungarian

## PROFESSIONAL EXPERIENCE

19.02.2024 – Present

## Scientific researcher III

Babeș-Bolyai University, Cluj Napoca, Romania

- Carrying out research activities
- Analyzing the results and data obtained from the research activities
- Dissemination of the results by publishing in internationally acclaimed journals and volumes

20.11.2017 – Present

## Author

S.C. Ingenuity Systems S.R.L. Cluj-Napoca, Romania

- Carrying out scientific reviews

01.01.2021 – 31.10.2022

## Research Assistant in Biology

Babeș-Bolyai University, Cluj Napoca, Romania

Project nr. **PN III P2-2.1-PED-2019-0214**, Project Manager dr Keresztes Lujza

Title: *Testing genetic tools to improve national biological assessment practice of freshwaters: an experiment using macro-invertebrates with demonstration on the Somesul Cald catchment area, Romania*

- Manage and conduct of research activities
- Isolation and extraction of genomic DNA
- Amplification of DNA sequences
- Sequencing and analysis of DNA sequences
- Processing and statistical analysis of data
- Preparation of scientific reports and articles

01.09.2020 – 31.08.2022

**Project leader**

Babeş-Bolyai University, Cluj-Napoca, Romania

Postdoctoral Project **PN-III-P1-1.1-PD-2019-0829**, nr. **PD 91/2020**,

Budget RON. 246,950

Title: *IREM - Danube Delta blossoms again: the importance of Pontic refugia in the recovery of the most endangered mayfly in the European large rivers-population genetic approach on Palingenia longicauda Olivier*

- Manage and conduct of research activities
- Isolation and extraction of genomic DNA
- Amplification of DNA sequences
- Sequencing and analysis of DNA sequences
- Processing and statistical analysis of data
- Preparation of scientific reports and articles

10.01.2020 – 05.04.2020

**Biologist expert**

S.C. Termeszt Barat Kert S.R.L., Sat Corod, Comuna Culciu, jud. Satu-Mare, Romania

- Monitoring of the species *Lutra lutra* (otter) on the Mureş River
- Isolation and extraction of genomic DNA
- Amplification of DNA sequences
- Sequencing and analysis of DNA sequences
- Processing and statistical analysis of data
- Preparation of scientific reports

01.02.2017 – 15.09.2017

**Volunteer - Biologist**

S.C. Greenviro S.R.L., Cluj-Napoca, Romania

Title: *Determining genetic variability in sturgeon and developing its methodology.*

- Professional consultancy related to molecular methods, data analysis, and interpretation of results.

01.11.2015 - 01.06.2016

**Research Assistant in Biology**

Babeş-Bolyai University, Cluj-Napoca, Romania

Project nr. **PN-II-RU-TE-2014-4-1930**, Project Manager: dr Bálint Markó

Title: *Social cohesion at challenge: individual and social adaptations to myrmecoparasitic fungi in ants*

- Isolation and extraction of genomic DNA
- Amplification of DNA sequences
- Sequencing and analysis of DNA sequences
- Processing and statistical analysis of data

10.09.2013 – 01.06.2016

**Research Assistant in Biology**

Babeş-Bolyai University, Cluj-Napoca, Romania

Project IDEI nr. **PN-2-ID-PCE-2012-4-0595**, Project Manager dr. Keresztes LujzaTitle: *Relics, witnesses of complex evolutionary history, in the Carpathian ecosystems: connecting past with the future.*

- Isolation and extraction of genomic DNA
- Amplification of DNA sequences
- Sequencing and analysis of DNA sequences
- Processing and statistical analysis of data
- Preparation of scientific reports

22.04.2014 – 15.07.2014

**Service Provider - Biologist**

Milvus Group, Târgu-Mureş, Romania)

Project **SMIS-CSNR 36515**, co-financed by the European Regional Development Fund through the Operational Program for Environment SectorTitle: *Elaborarea seturilor de măsuri de management, la nivel național, pentru speciile Castor fiber, Lutra lutra și Mustela lutreola*

- Isolation and extraction of genomic DNA
- Amplification of DNA sequences for microsatellite analysis
- Processing and statistical analysis of genotyping data

01.05.2012 – 31.05.2012

**Volunteer**

Milvus Group, Târgu-Mureş, Romania

Proiect **SMIS-CSNR 17049**, co-financed by the European Regional Development Fund through the Operational Program for Environment SectorTitle: *Pentru Natură și Comunități Locale – Bazele unui management integrat Natura 2000 în zona Hârtibaciu – Târnava Mare - Olt*

- Gathering field information on populations of large mammals of community interest in Natura 2000 sites

**EDUCATION AND TRAINING**

---

2012 – 2019

**Doctor in Biology**

Doctoral School in Integrative Biology, Babeş-Bolyai University, Cluj-Napoca, Romania

- Biogeography
- Scanning Electron Microscopy
- Molecular Biology

2009 – 2011

**Master's in Terrestrial and Aquatic Ecology**

Faculty of Biology and Geology, Babeş-Bolyai University, Cluj-Napoca, Romania

- Biostatistics
- Bioinformatics
- Hydrology
- Biogeography of Romania and Europe
- Conservation Biology
- Bioindicators and Ecological Monitoring

2005 –2009 **Bachelor's in Ecology and Environmental Protection**

Faculty of Biology and Geology, Babeş-Bolyai University, Cluj-Napoca, Romania

- Systematic Botany
- Invertebrate Zoology
- Vertebrate Zoology
- General Ecology
- Genetics
- Biochemistry
- Biophysics
- 

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Engleză	C2	C2	C1	C1	C1
ESOL Certificate in Advanced English					

**Competențe organizaționale/manageriale** ▪ Organizing the 20th edition of the International Symposium on Central European Entomofauna, which took place in Cluj-Napoca on May 26-30, 2007.

**Competențe dobândite la locul de muncă** ▪ Bună cunoaștere și utilizare a aparaturii de laborator genetic

**Competențe informatice** ▪ MsOffice, OpenOffice, Mega6, Arlequin, mrBayes, BEAST package, Network, DNASP5, TreeView, SPSS, R

**Permis de conducere** ▪ Categoria B

## INFORMATII SUPLIMENTARE

## Publications

- Keresztes L, Terec AB, Jancó BZs, **Dénes AL**, Dénes A (2023) Small flies with high conservation value: first reliable record of *Hyperoscelis veteriosa* (Diptera, Canthyloscelidae) from Romania supported by DNA barcode data. *Travaux du Muséum National d'Histoire Naturelle "Grigore Antipa"*, 66(1): 165–171. doi: 10.3897/travaux.66.e105107
- Manko P, Vaida RM, Keresztes L, Martynov AV, Szabó E, Baranova B, Kis B, Vánca É, **Dénes AL** (2023) Integrative taxonomy supports one rather than several species of *Palingenia* in South-Eastern Europe (Insecta, Ephemeroptera, Palingeniidae). *European Zoological Journal*, 90(1): 296–306. doi: 10.1080/24750263.2023.2191622
- Szabó E, Dima B, **Dénes AL**, Papp V, Keresztes, L (2023) DNA Barcoding Data Reveal Important Overlooked Diversity of *Cortinarius sensu lato* (Agaricales, Basidiomycota) in the Romanian Carpathians. *Diversity-Basel*, 15(4). doi: 10.3390/d15040553
- Dénes AL**, Vaida RM, Szabó E, Martynov AV, Vánca É, Ujvárosi B, Keresztes L (2022) Cryptic survival and an unexpected recovery of the long-tailed mayfly *Palingenia longicauda* (Olivier, 1791) (Ephemeroptera: Palingeniidae) in Southeastern Europe. *Journal of Insect Conservation*, 26(5): 823–838. doi: 10.1007/s10841-022-00425-z
- Keresztes L, **Dénes AL** (2021) Rediscovered after almost 100 years: new faunistic data of *Thaumalea rumanica* with additional records of Thaumaleidae from Romania. *Travaux du Muséum National d'Histoire Naturelle "Grigore Antipa"*, 64(1): 119–129.
- László Z, Lakatos KT, **Dénes AL** (2021) A new species of *Mesopolobus* (Hymenoptera, Pteromalidae) from black locust crops. *European Journal of Taxonomy*, 740: 118–137. doi: 10.5852/ejt.2021.740.1285
- Pujade-Villar J, Wang Y, Zhang W, Casanova NM, Lobato-Vila I, **Dénes AL**, László Z (2020) A new *Diplolepis* Geoffroy (Hymenoptera, Cynipidae, Diplolepidini) Species from China: a rare example of a rose gall-inducer of economic significance. *ZooKeys*; 904: 131–146. doi: 10.3897/zookeys.904.46547
- Zhang TM, László Z, Looney C, **Dénes AL**, Hanner RH, Shorthouse JD (2019) DNA barcodes reveal inconsistent species boundaries in *Diplolepis rose* gall wasps and their *Periclistus* inquilines (Hymenoptera: Cynipidae). *The Canadian Entomologist*; **151(6)**: 717–727. doi: 10.4039/tce.2019.59

- László Z, **Dénes AL**, Király L, Tóthmérész B (2018) Biased parasitoid sex ratios: *Wolbachia*, functional traits, local and landscape effects. *Basic and Applied Ecology*; **31**: 61–71. doi: 10.1016/j.baae.2018.05.014
- Keresztes L, Kolcsár L, **Dénes AL**, Török E (2018) Revealing unknown larvae of the maxima species group of the genus *Acutipula* Alexander, 1924 (Tipula, Tipuloidae, Diptera) using an integrative approach. *North-Western Journal of Zoology*; e171201
- Dénes AL**, Kolcsár L, Török E, Keresztes L (2016) Taxonomic revision of the Carpathian endemic *Pedicia* (*Crunobia*) *staryi* species-group (Diptera, Pediciidae) based on morphology and molecular data, *Zookeys*. 569: 81–104. doi: 10.3897/zookeys.569.7458
- Dénes AL**, Kolcsár L, Török E, Keresztes L (2016). Phylogeography of the micro-endemic *Pedicia staryi* group (Insecta: Diptera): evidence of relict biodiversity in the Carpathians. *Biological Journal of the Linnean Society*, **119(3)**: 719–731. doi: 10.1111/bij.12667
- Török E, Kolcsár L, **Dénes AL**, Keresztes L (2015) Morphologies tells more than molecules in the case of the European widespread *Ptychoptera albimana* (Fabricius, 1787) (Diptera, Ptychopteridae). *North-Western Journal of Zoology*, 11: art.151201
- Keresztes L, Kolcsár LP, Török E, **Dénes AL** (2011) The spring dwelling dipteran genus *Pedicia* Latreille in the Carpathian area: diversity, divergence and distribution – case studies. În: Carpathians as speciation centres and barriers: from case studies to general patterns. Editor: Keresztes L and Markó B. -Cluj-Napoca: Presa Universitară Clujeană, p. 83–112.
- Bálint M, Keresztes L, **Dénes AL**, Popescu O (2011) Central-east European phylogeography of *Rhyacophila tristis* Pictet: preliminary results. *Zoosymposia* 5:11–18. doi: 10.11646/zoosymposia.5.1.1