

# CURRICULUM VITAE

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## DEGREE

- 2025      **PhD** (in Biological Sciences)  
Hungarian University of Agriculture and Life Sciences, Doctoral School of Biological Sciences  
*Thesis*: Role of functional traits in setting conservation priorities
- 2012      **Biology MSc**  
Szent István University, Faculty of Veterinary Science  
*Thesis*: Ex-situ conservation of endangered plank species
- 2010      **Biology BSc**  
Szent István University, Faculty of Veterinary Science  
*Thesis*: Ex-situ propagation of *Vicia biennis* L.

## JOBS

- 2024-      **Akadémiai Kiadó Zrt.:** social media content creator for Community Ecology Journal (Facebook, X, Bluesky)
- 2015-      **HUN-REN Centre for Ecological Research, Institute of Aquatic Sciences:** assistant research fellow, and research fellow (Post Doc) from 2025  
2020.12.11-2022.09.01. maternity leave (~2 years)  
2023.08.31-2025.09.01. maternity leave (2 years)
- 2013-2016      **Szent István University, Faculty of Veterinary Science, Institute of Biology:** lecturer (botany)

## TEACHING EXPERIENCE

2013-2016 **Szent István University, Faculty of Veterinary Science**

*Plant morphology seminar*  
*Botany for veterinarians*

2012-2015 **Szent István Univ., Faculty of Agriculture and Environmental Science, Institute of Botany and Ecophysiology**

*Botany seminar*

## THESIS LEADING

2017 Sóth Ármin: Conservation status and germination traits of two Hungarian endangered plant species. **BSc thesis**, shared leading (1/2)

2015 Tóth Kata Mária: Developing protocols for germinating seeds of herbaria collections. **BSc thesis**, shared leading (1/2)

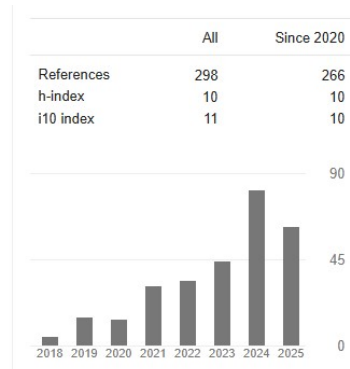
Dudás János: Ex-situ conservation of *Potentilla palustris* L. and *Bulbocodium vernum* L. **BSc thesis**, shared leading (1/2)

## RESEARCH

- 2015- Analysing ecological networks, especially aquatic food webs.
- 2013-2015: Seed viability and longevity of Hungarian fabaceous plant species
- 2009-2025: Ex-situ conservation and ecology of endangered plant species

## PUBLICATIONS

	E1st author	Co-author	All
<b>D1</b>	2	3	<b>5</b>
<b>Q1</b>		9	<b>9</b>
<b>Q2</b>	3	4	<b>7</b>
<b>Q3</b>		1	<b>1</b>
<b>Other</b>	2	3	<b>5</b>
<b>All</b>	<b>7</b>	<b>20</b>	<b>27</b>



### Publications related to my main research field:

- 2025 **Endrédi, A.** (2025). Future of Food Webs: The Role of Biotic Interactions in Predicting the Impact of Climate and Land Use Change. *Global Change Biology*, 31(4), e70202.  
Journal Rank: D1
- 2024 Patonai, K., **Endrédi, A.**, Horváth, Z., Borza, P., Pálffy, K., Dobosy, P., & Vad, C. F. (2024). Trophic impact of an invasive mysid shrimp depends on zooplankton community composition: A mesocosm experiment. *Freshwater Biology*, 69(5), 623-634.  
Journal Rank: Q1
- 2023 **Endrédi, A.**, Sóth, Á., Ércz, D., Deák, B., Valkó, O., & Nagy, J. G. (2023). Exploring life-history traits of an endangered plant (*Vicia biennis* L.) to support the conservation of marginal populations. *Nature Conservation*, 54, 121-147.  
Journal Rank: Q2
- Vad, C. F.; **Hanny-Endrédi, A.**; Kratina, P.; Abonyi, A.; Mironova, E.; Murray, D. S.; Samchyshyna, L.; Tsakalakis, I.; Smeti, E.; Spatharis, S.; Tan, H.; Preiler, C.; Petrusek, A.; Bengtsson, M. M.; Ptacnik, R. (2023). Spatial insurance against a heatwave differs between trophic levels in experimental aquatic communities. *Global Change Biology*, 29(11), 3054-3071.  
Journal Rank: D1
- Tanács, E.; Vári, Á.; Bede-Fazekas, Á.; Báldi, A.; Csákvári, E.; **Endrédi, A.**; Fabók, V.; Kisé Fodor, L.; Kiss, M.; Koncz, P.; Kovács-Hostyánszki, A.; Mészáros, J.; Pásztor, L.; Rezneki, R.; Standovár, T.; Zsembery, Z.; Török, K. (2023). Finding the Green Grass in the Haystack? Integrated National Assessment of Ecosystem Services and Condition in Hungary, in Support of Conservation and Planning. *Sustainability*, 15(11), 8489.  
Journal Rank: Q1
- 2021 **Endrédi, A.**; Patonai, K.; Podani, J.; Libralato, S.; Jordán, F. (2021). Who Is Where in Marine Food Webs? A Trait-Based Analysis of Network Positions. *Frontiers in Marine Science*, 8:636042. doi: 10.3389/fmars.2021.636042  
Journal Rank: D1
- Móréh, Á.; **Endrédi, A.**; Piross, S. I.; Jordán, F. (2021). Topology of additive pairwise effects in food webs. *Ecological Modelling*, 440, 109414.  
Journal Rank: Q2

- Hermosillo-Núñez, B. B.; Ortiz, M.; Jordán, F.; **Endrédi, A.** (2021). Macroscopic Properties and Keystone Species Complexes in Kelp Forest Ecosystems Along the North-Central Chilean Coast. In: Ortiz, M.; Jordán, F. (eds): *Marine Coastal Ecosystems Modelling and Conservation*. Springer, Cham. [https://doi.org/10.1007/978-3-030-58211-1\\_5](https://doi.org/10.1007/978-3-030-58211-1_5)
- 2019 Kovács-Hostyánszki, A.; Földesi, R.; Báldi, A.; **Endrédi, A.**; Jordán, F. (2019): The vulnerability of plant-pollinator communities to honeybee decline: a comparative network analysis in different habitat types. *Ecological Indicators*, 97, 35-50.  
Journal Rank: Q1
- Gilián, L. D.; **Endrédi, A.**; Zsinka, B.; Neményi, A.; Nagy, J. Gy. (2019): Morphological and reproductive trait-variability of a food deceptive orchid, *Cephalanthera rubra* along different altitudes. *Applied Ecology and Environmental Research*, 3, 5619-5639.  
Journal Rank: Q3
- 2018 **Endrédi, A.**; Jordán, F.; Abonyi, A. (2018): Trait-based paradise - or only feeding the computer with biology? Forum. *Community Ecology*, 19(3), 319-321.  
Journal Rank: Q2
- Endrédi, A.**; Senánszky, V.; Libralato, S; Jordán, F. (2018): Food web dynamics in trophic hierarchies. *Ecological Modelling*, 368, 94-103.  
Journal Rank: Q2
- Móréh, Á.; **Endrédi, A.**; Jordán, F. (2018): Additivity of pairwise perturbations in food webs: Topological effects. *Journal of Theoretical Biology*, 448, 112-121.  
Journal Rank: Q2
- Jordán, F.; **Endrédi, A.**; Wei-Chung, L.; D'Alelio, D. (2018): Aggregating a plankton food web: Mathematical versus biological approaches. *Mathematics*, 6 (12), 336.  
Journal Rank: Q2
- 2015 **Endrédi, A.**; Molnár, A.; Nagy, J. Gy. (2015): A fokozottan védett kunsági bükkönyről. [About the endangered Siberian Vetch.] *A Puszta*. 2010-2014, 25, 59-62.  
Journal Rank: Not indexed
- Dudás, J.; **Endrédi, A.**; Veres, A.; Nagy, J. Gy. (2015): A tőzegeper (*Comarum palustre* L.) ex-situ védelme. [Ex-situ conservation of *Comarum palustre* L.] *Természetvédelmi Közlemények*, 21, 51-63.  
Journal Rank: Not indexed
- 2012 **Endrédi, A.**; Molnár, A.; Nagy, J. Gy. (2012): A kunsági bükköny (*Vicia biennis* L.) ex-situ védelme. [Ex-situ conservation of *Vicia biennis* L.] *Természetvédelmi Közlemények*, 18, 150-158.  
Journal Rank: Not indexed

#### Other co-authored papers:

- 2025 Orenibi, E., Illés, Á., Sandil, S., **Endrédi, A.**, Szekeres, J., Dobosy, P., & Zárny, G. (2025). Temporal and spatial distribution of inorganic fluoride, total adsorbable organofluorine, PFOA and PFOS concentrations in the Hungarian section of the Danube River. *Journal of Hazardous Materials*, 485, e136820.  
Journal Rank: D1
- 2024 Dobosy, P., Nguyen, H. T. P., Zárny, G., Strelí, C., Ingerle, D., Ziegler, P., Radtke, M., Guilherme Buzanich, A., **Endrédi, A.**, Fodor, F. (2024). Effect of iodine species on

biofortification of iodine in cabbage plants cultivated in hydroponic cultures. *Scientific Reports*, 14(1), 15794.

Journal Rank: Q1

- 2023 Sandil, S., Záray, G., **Endrédi, A.**, Füzy, A., Takács, T., Óvári, M., & Dobosy, P. (2023). Arsenic uptake and accumulation in bean and lettuce plants at different developmental stages. *Environmental Science and Pollution Research*, 30(56), 118724-118735.

Journal Rank: Q1

Dobosy, P.; Illés, Á.; **Endrédi, A.**; Záray, Gy. (2023). Lithium concentration in tap water, bottled mineral water, and Danube River water in Hungary. *Scientific Reports*, 13, 12543, <https://doi.org/10.1038/s41598-023-38864-6>

Journal Rank: Q1

Dobosy, P.; Almeshal, W.; Illés, Á.; Tserendorj, D.; Sandil, S.; Kovács, Zs.; **Endrédi, A.**; Záray Gy. (2023). Particle-based nutrients and metal contaminants in the habitat of Unionidae mussels in the Tisza River (Hungary). *Frontiers in Environmental Science*, 11:1209118. doi: 10.3389/fenvs.2023.1209118

Journal Rank: Q2

- 2022 Klátyik Sz., Takács E., **Hanny-Endrédi A.**, Mörtl M., Földi A., Trábert Zs., Ács É., Darvas B. és Székács A. (2022) A glyphosatartalmú Roundup Classic összetevőinek egyedi és kombinált hatásainak vizsgálata természetes körülmények között kialakult felszíni vízi biofilmek algaközösségeire. *Ökotoxikológia*, 4 (1), 4-20.

Journal Rank: Not indexed

Vetési, V.; Záray, Gy.; **Endrédi, A.**; Sandil, S.; Rékási, M.; Takács, T.; Dobosy, P. (2022). Iodine biofortification of bean (*Phaseolus vulgaris* L.) and pea (*Pisum sativum* L.) plants cultivated in three different soils. *PLoS ONE*, 17(10), e0275589. <https://doi.org/10.1371/journal.pone.0275589>

Journal Rank: Q1

- 2021 Sandil, S.; Óvári, M.; Dobosy, P.; Vetési, V.; **Endrédi, A.**; Takács, A.; Füzy, A.; Záray, Gy. (2021). Effect of arsenic-contaminated irrigation water on growth and elemental composition of tomato and cabbage cultivated in three different soils, and related health risk assessment. *Environmental Research*, 197, 111098. <https://doi.org/10.1016/j.envres.2021.111098>.

Journal Rank: D1

- 2020 Dobosy, P.; **Endrédi, A.**; Sandil, S.; Vetési, V.; Rékási, M.; Takács, T.; Záray, Gy. (2020). Biofortification of potato and carrot with iodine by applying different soils and irrigation with iodine-containing water. *Frontiers in Plant Science*, 11, 1716.

Journal Rank: Q1

Dobosy, P.; Vetési, V.; Sandil, S.; **Endrédi, A.**; Kröpfl, K.; Óvári, M.; Takács, T.; Rékási, M.; Záray, Gy. (2020): Effect of irrigation water containing iodine on plant physiological processes and elemental concentrations of cabbage (*Brassica oleracea* var. *capitata* L.) and tomato (*Solanum lycopersicum* L.) cultivated in different soils. *Agronomy*, 10 (5), 720.

Journal Rank: Q1