



Boglárka Mészáros PhD

Research fellow

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Hungarian Science Bibliography ID: 10047674

WORK EXPERIENCE

2021- HUN-REN Balaton Limnological Research Institute, Tihany
Research fellow
Aquatic Invertebrates and Community Ecology Research Group

STUDIES

2015-2021 Eötvös Loránd University, Biology Doctoral School, Budapest
Zootaxonomy, Animal ecology, Hydrobiology specialty
PhD degree
Title of the dissertation: „Environmental effects, physiological state and host-parasite assemblages in European lizard species”

2013-2015 Eötvös Loránd University, Budapest
Ecology, Evolution- and Conservation biology specialty
Biologist MSc

2010-2013 Eötvös Loránd University, Budapest
Biology BSc

HONORS AND AWARDS

MTA Environmental Protection Scientific Youth Award (2025) ♦ Best Young Presenter, 2nd place, LXIV Hydrobiologist Days (2023) ♦ Republican Scholarship for the 2014/2015 academic year, ELTE-TTK (2014) ♦ Outstanding Student of the Faculty, ELTE-TTK (2014) ♦ Kotlán Award, 2nd place, SZIE (2014) ♦ Best Student Poster Award, 17th European Congress of Herpetology (2013) ♦ National Scientific Students' Associations Conference (OTDK) JatePress Publication Award, SZTE (2013) ♦ National Scientific Students' Associations Conference (OTDK), 2nd place, SZTE (2013) ♦ Scientific Students' Associations Conference (TDK) Audience Award, ELTE (2012) ♦ Scientific Students' Associations Conference (TDK), 3rd place, ELTE (2012)

SKILLS

Expertise in ecology, behavioural ecology, ecophysiology, urban ecology, and herpetology ♦ Herpetofaunal sampling ♦ Knowledge of biostatistics ♦ Use of R software ♦ Use of SPSS statistical software ♦ MS Office ♦ Research design and implementation ♦ Scientific writing and presenting ♦ Languages: Hungarian (native), English (intermediate professional), Spanish (basic)

SELECTED PUBLICATIONS

Boglárka MÉSZÁROS, József BÜRGES, Mónika TAMÁS, Blanka GÁL, Judit VÖRÖS, Andrew J HAMER, Dénes SCHMERA (2025): Scale-dependent landscape variables and linear infrastructures influence smooth newt (*Lissotriton vulgaris*) abundance in wetlands of a heavily urbanized lake. *Scientific Reports* 15: 13882 <https://doi.org/10.1038/s41598-025-97988-z>

Boglárka MÉSZÁROS, Lilla JORDÁN, Orsolya MOLNÁR, János TÖRÖK (2025): Impact of food availability on the thermal performance curves of male European green lizards (*Lacerta viridis*). *Oecologia* 207: 57. <https://doi.org/10.1007/s00442-025-05699-z>

Boglárka MÉSZÁROS, József BÜRGES, Mónika TAMÁS, Blanka GÁL, Dénes SCHMERA, Andrew J. HAMER (2024): Urban oasis? Abundant dice snake (*Natrix tessellata*) populations along artificial lakeside habitats in urban landscapes. *Landscape Ecology* 39: 7. <https://doi.org/10.1007/s10980-024-01917-w>

Boglárka MÉSZÁROS, József BÜRGES, Mónika TAMÁS, Blanka GÁL, Attila BOHUS, Dénes SCHMERA (2023): Effects of the urban environment on the developmental stability, size and body condition of dice snakes (*Natrix tessellata*) living in artificial lakeside habitats. *Ecological Indicators* 156: 111117. <https://doi.org/10.1016/j.ecolind.2023.111117>

Boglárka MÉSZÁROS, Lilla JORDÁN, Katalin BAJER, János TÖRÖK, José MARTÍN, Orsolya MOLNÁR (2019): Relationship between oxidative stress and sexual coloration of lizards depends on thermal habitat. *The Science of Nature* 106:9-10, p. 55. <https://doi.org/10.1007/s00114-019-1649-2>

Boglárka MÉSZÁROS, Gábor HERCZEG, Katalin BAJER, János TÖRÖK, Orsolya R. MOLNÁR (2018): Effects of energy and thermoregulation time on physiological state and sexual signal in a lizard. *Journal of Experimental Zoology Part A: Ecological and Integrative Physiology* 327: 570-578, <https://doi.org/10.1002/jez.2143>

Gergely HORVÁTH*, Boglárka MÉSZÁROS*, Tamás J. URSZÁN, Katalin BAJER, Orsolya R. MOLNÁR, László Zs. GARAMSZEI, Gábor HERCZEG (2017): Environment-dependence of behavioural consistency in adult male European green lizards (*Lacerta viridis*). *PLoS ONE*, 12 (11): e0187657, <https://doi.org/10.1371/journal.pone.0187657> *contributed equally

Orsolya R. MOLNÁR, Katalin BAJER, Boglárka MÉSZÁROS, János TÖRÖK, Gábor HERCZEG (2013):
**Negative correlation between nuptial throat colour and blood parasite load in male
European green lizards supports the Hamilton–Zuk hypothesis.** *Naturwissenschaften*, 100,
551–558. <https://doi.org/10.1007/s00114-013-1051-4>

SCIENCE OUTREACH PUBLICATIONS

Boglárka MÉSZÁROS (2025): **A Balaton csúszómászói, avagy balatoni kétéltűek és
hüllők.** *Balatoni természetkalauz III. edition. Editor: Vörös Lajos, HUN-REN Balatoni
Limnológiai Kutatóintézet, Tihany.* pp. 157–177.

Boglárka MÉSZÁROS (2024): **A Balaton csúszómászói, avagy balatoni kétéltűek és
hüllők.** *Balatoni természetkalauz. II. edition Editor: Vörös Lajos, HUN-REN Balatoni
Limnológiai Kutatóintézet, Tihany.* pp. 129–144.