

2026. 02. 18.

Name: Szabó Gyula

Date of birth: 1995. 10. 30.

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Education:

2014 – 2017 Biology BSc, ELTE Faculty of Science

2017 – 2019 Biology MSc, ELTE Faculty of Science

2019 – Doctoral School of Biology, ELTE Faculty of Science

Work:

2024 – assistant research fellow, HUN-REN CER IEB, Lendület Ecosystem Services Research Group

- Showcase-project: Effectiveness of wild flower fields in agricultural landscapes

- Effects of wild flower fields on bird communities

- The effects of pollinator promoting grassland management

Grants:

2018-2019 National Higher Education Scholarship

2018-2019 New National Excellence Programme Higher Education Student Research Scholarship

Other skills:

2019. Bird ringing permit for collared flycatchers, great and blue tits

2020. Animal experiment leader (EU-B-level, Felasa C-equivalent)

Other research experience:

2015– ELTE Faculty of Science IB, Department of Animal Systematics and Ecology, Behavioural Ecology Group
- ecophysiology of a hole-nesting birds
- quantification of body condition

2020 – the effect of beaver ponds on bird communities, in cooperation with Traditional Ecological Knowledge Research Group (HUN-REN CER)

2022 – MTA-ELTE Theory of Learning Mathematics Research Group
- experimental design and data analysis

2022 – OTKA Research Grant participant, Hegyi Gergely: Seasonality and age-dependence of complex ornamental systems

2021 – 2024 Semmelweis University, Department of Public Dental Health
- data analysis

Teaching:

2020 – Molecular methods in supraindividual biology lab practice, Determining haematocrit and reactive oxygen metabolites of zebra finches, ELTE Faculty of Science IB

Languages:

english B2 complex

french DELF B1

Selected list of publications:

Full list: <https://scholar.google.com/citations?user=u7yhvCcAAAAJ&hl=hu&authuser=1>

G. Szabó, N. Boross, G. Hegyi, M. Herényi, M. Jablonszky, D. Kötél, K. Krenhardt, G. Markó, G. Nagy, B. Rosivall, E. Szász, E. Szöllősi, S. Zsebők, J. Török, M. Laczi (2025) Sex-Dependent Carry-Over Effects Between Physiological State and Reproduction in a Passerine Species. *Ecology and Evolution*, e71816

G. Hegyi, M. Laczi, G. Szabó, D. Köteél, F. Sarkadi, J. Török (2025) Experimental data suggest between population reversal in the condition dependence of two sexually selected traits. *Scientific Reports*, 15, 4264

M. Laczi, G. Herczeg, F. Sarkadi, H. Gyarmathy, M. Jablonszky, G. Kőműves, G. Nagy, B. Rosivall, G. Szabó, J. Török, G. Hegyi (2025) Information content of persistent plumage color traits in *Ficedula albicollis* nestlings. *Ornithology*, ukaf070

G. Hegyi, M. Laczi, A. Wacha, H. Gyarmathy, Á. Klein, B. Rosivall, F. Sarkadi, G. Szabó, J. Török (2024) Prediction of individual differences in non-iridescent structural plumage colour from nanostructural periodicity and regularity. *Royal Society Open Science*, 11: 231804