

Curriculum vitae and Publications

Name: PIROSS, Imre Sándor, PhD

E-mail: piross.sandor@ecolres.hu

[ResearchGate](#), [ORCID](#), [Google Scholar](#), [Hungarian Scientific Bibliography](#)



Professional appointments

- 2025- University of Veterinary Medicine Budapest
Department of Biostatistics
Assistant Lecturer

- 2023- Centre for Ecological Research, Hungary
Institute of Ecology and Botany
[Lendület Ecosystem Services Research Group](#)
Research fellow

- 2022-2023 University of York, Department of Biology
Research Associate/Postdoctoral Researcher

- 2021-2022: Centre for Ecological Research, Hungary
Institute of Ecology and Botany
[Lendület Ecosystem Services Research Group](#)
Assistant research fellow

- 2020-2021: University of Veterinary Medicine Budapest
[Department of Biomathematics and Informatics](#)
Assistant lecturer

- 2018-2020: MTA Centre for Ecological Research
Assistant research fellow

- 2015-2020: SZIU/UVM Department of Biomathematics and Informatics
Instructor: Biomathematics and Informatics practical courses in English

- 2013-2018: Hungarian Natural History Museum: Conservation of the Red-footed Falcon
Carpathian Basin (LIFE11/NAT/HU/000926) Life programme

- 2011-2013: MME BirdLife Hungary, Red-footed Falcon Workgroup
volunteer

Studies

- 2015-2018 (2022): University of Veterinary Medicine Budapest¹,
Department of Biomathematics and Informatics
PhD, Thesis defended in 03/2022

- 2013-2015 : Szent István University Faculty of Veterinary Science¹
Biology MSc., specialisation: zoology

- 2010-2013: Szent István University Faculty of Veterinary Science¹
Biology BSc., specialisation: ecology

¹ Szent István University Faculty of Veterinary Science became University of Veterinary Medicine Budapest in 2016. <https://univet.hu/en/>

Publications

- Piross, Imre Sándor**, Valentin Lecheval, Scott Powell, Matina C. Donaldson-Matasci, Elva JH Robinson. **2025**. “Strong and weak environmental perturbations cause contrasting restructure of ant transportation networks.” *Proceedings B* <https://doi.org/10.1098/rspb.2024.2342>
- Áron Domonkos Bihaly, **Imre Sándor Piross**, Raoul Pellaton, Viktor Szigeti, László Somay, Flóra Vajna, Zoltán Soltész, András Báldi, Miklós Sárospataki, Anikó Kovács-Hostyánszki. **2024**. “Landscape-Wide Floral Resource Deficit Enhances the Importance of Diverse Wildflower Plantings for Pollinators in Farmlands.” *Agriculture, Ecosystems & Environment* <https://doi.org/10.1016/j.agee.2024.108984>
- Anikó Kovács-Hostyánszki, **Piross, Imre Sándor**, Mohamed A. Shebl. **2022**. “Non-native plant species integrate well into plant-pollinator networks in a diverse manmade flowering plant community”. *Urban Ecosystems* <https://doi.org/10.1007/s11252-022-01242-7>
- Piross, Imre Sándor**. 2022. “Ecological and Phylogenetic Comparative Studies of Avian Lice.” PhD Thesis, University of Veterinary Medicine, Budapest, Budapest, Hungary. [Full text on ResearchGate](#)
- Mórén, Ágnes, Anett Endrédi, **Piross, Imre Sándor**, and Ferenc Jordán. **2021**. “Topology of Additive Pairwise Effects in Food Webs.” *Ecological Modelling* 440:109414. doi: [10.1016/j.ecolmodel.2020.109414](https://doi.org/10.1016/j.ecolmodel.2020.109414).
- Piross, Imre Sándor**, Szabolcs Solt, Éva Horváth, László Kotymán, Péter Palatitz, Péter Bertók, Krisztián Szabó, Nóra Vili, Zoltán Vas, Lajos Rózsa, Andrea Harnos, and Péter Fehérvári. **2020**. “Sex-Dependent Changes in the Louse Abundance of Red-Footed Falcons (*Falco Vespertinus*).” *Parasitology Research* 119(4):1327–35. doi: [10.1007/s00436-020-06634-2](https://doi.org/10.1007/s00436-020-06634-2).
- Piross, Imre Sándor**, Manju Siliwal, R. Suresh Kumar, Péter Palatitz, Szabolcs Solt, Péter Borbáth, Nóra Vili, Nóra Magonyi, Zoltán Vas, Lajos Rózsa, Andrea Harnos, and Péter Fehérvári. **2020**. “Sex Interacts with Age-Dependent Change in the Abundance of Lice Infesting Amur Falcons (*Falco Amurensis*).” *Parasitology Research* 119(8):2579–85. doi: [10.1007/s00436-020-06753-w](https://doi.org/10.1007/s00436-020-06753-w).
- Piross, Imre Sándor**, Andrea Harnos, and Lajos Rózsa. **2019**. “Rensch’s Rule in Avian Lice: Contradictory Allometric Trends for Sexual Size Dimorphism.” *Scientific Reports* 9(1):7908. doi: [10.1038/s41598-019-44370-5](https://doi.org/10.1038/s41598-019-44370-5).
- Ágh, Nóra, **Imre Sándor Piross**, Gábor Majoros, Tibor Csörgő, and Eszter Szöllősi. **2019**. “Malaria Infection Status of European Robins Seems to Associate with Timing of Autumn Migration but Not with Actual Condition.” *Parasitology* 1–7. doi: [10.1017/S0031182018002184](https://doi.org/10.1017/S0031182018002184).
- Piross, Imre Sándor**, and Szabolcs Solt. **2018**. “Diseases, Parasites.” Pp. 93–94 in *THE BLUE VESPER. Ecology and Conservation of the Red-footed Falcon*. Budapest: MME. <https://www.nhbs.com/the-blue-vesper-book>
- Piross, Imre Sándor**, Rebeka Saliga, Szabolcs Solt, Éva Horváth, László Kotymán, Andrea Harnos, Lajos Rózsa, Péter Palatitz, and Péter Fehérvári. **2018**. “A Tolltetű-Fertőzőség És Fészekaljméret Kapcsolata a Vörös Vércsénél (*Falco Tinnunculus*): The Relationship of Louse Infestation and Clutch Size in the Common Kestrel (*Falco Tinnunculus*).” *Magyar Állatorvosok Lapja* (140):745–53. [Full Text on ResearchGate](#)
- Harnos, Andrea, Péter Fehérvári, **Imre Sándor Piross**, Zsolt Karcza, Nóra Ágh, Szilvia Kovács, and Tibor Csörgő. **2016**. “Exploratory Analyses of Migration Timing and Morphometrics of the Pied Flycatcher (*Ficedula Hypoleuca*).” *Ornis Hungarica* 24(2):109–126. doi: [10.1515/orhu-2016-0019](https://doi.org/10.1515/orhu-2016-0019).

Harnos, Andrea, Péter Fehérvári, **Imre Sándor Piross**, Nóra Ágh, Zsolt Karcza, Krisztina Konrád, and Tibor Csörgő. **2016**. “Exploratory Analyses of Migration Timing and Morphometrics of the Dunnock (*Prunella Modularis*).” *Ornis Hungarica* 24(2):127–144. doi: [10.1515/orhu-2016-0020](https://doi.org/10.1515/orhu-2016-0020).

Piross, Imre Sándor, Péter Fehérvári, Zoltán Vas, Szabolcs Solt, Éva Horváth, Péter Palatitz, Cristina Giosele, Marco Gustin, Mario Pedrelli, R. Suresh Kumar, Nick P. Williams, Rina Pretorious, Zephne Bernitz, Herman Bernitz, and Andrea Harnos. **2015**. “Louse (Insecta: Phthiraptera) Infestations of the Amur Falcon (*Falco Amurensis*) and the Red-Footed Falcon.” *Ornis Hungarica* 23(1):58–65. doi: [10.1515/orhu-2015-0005](https://doi.org/10.1515/orhu-2015-0005).

Fehérvári, Péter, **Imre Sándor Piross**, László Kotymán, Szabolcs Solt, Éva Horváth, and Péter Palatitz. **2015**. “Species Specific Effect of Nest-Box Cleaning on Settlement Selection Decisions in an Artificial Colony System.” *Ornis Hungarica* 23(1):66–76. doi: [10.1515/orhu-2015-0006](https://doi.org/10.1515/orhu-2015-0006).

Horváth, Éva, Szabolcs Solt, László Kotymán, Péter Palatitz, **Imre Sándor Piross**, and Péter Fehérvári. **2015**. “Provisioning Nest Material for Rooks; a Potential Tool for Conservation Management.” *Ornis Hungarica* 23(1):22–31. doi: [10.1515/orhu-2015-0002](https://doi.org/10.1515/orhu-2015-0002).