

James Firkins

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2018 – 2022 Integrated Master of Science degree, with honours in Zoology, University of Exeter, United Kingdom

RESEARCH INTERESTS

Avian Ecology. Previously I researched the effectiveness of edge enhancement camouflage against avian predation, and later I studied the ability of the Great Argus Pheasant to perceive 3D shapes, and the implications this had for the species' sexual signal. Currently I am interested in the ecology of large birds of prey (Accipitriformes), and the differences in factors such as survival and mortality, natal dispersion, space and habitat use, and how these vary between species, sexes, and life stages, and the implications this has for raptor conservation.

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):

1. **Firkins, J.** and Kelley, L.A., 2022. Does shading on great argus *Argusianus argus* feathers create a three-dimensional illusion?. *Biology Letters*, 18(11), p.20220393.
<https://doi.org/10.1098/rsbl.2022.0393>
2. **Firkins J.**, Dementavičius, D., Grašyte, G., Rumbutis, S., Patapavičius, R. and Treinys, R. 2025. Difference in mortality patterns of White-tailed Eagle and Osprey in the eastern region of the Baltic Sea. *Journal of Ornithology*, 166, pp. 725-735.
<https://doi.org/10.1007/s10336-025-02263-7>
3. **Firkins J.**, Dementavičius, D., Rumbutis, S., Patapavičius, R. and Treinys, R. 2025. Habitat-dependent and temporally decreased dispersal pattern in an increasing White-tailed Eagle *Haliaeetus albicilla* population in the region east of the Baltic Sea. *Bird Study*, pp. 1-16. <https://doi.org/10.1080/00063657.2025.2585214>

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Firkins J.**, Dementavičius D, Grašytė G, Rumbutis S, Patapavičius R. COINS 2025, Vilnius, Lithuania. (Poster)
2. **Firkins J.** et al. Understanding anthropogenic effects on Osprey using video surveillance and GPS-tagging. BOU 2025: Frontiers in ornithology. Nottingham, United Kingdom. (Poster)

3. **Firkins J.** et al. Habitat-dependent and temporally decreased dispersal patterns in White-tailed Eagle *Haliaeetus albicilla*. COINS. Vilnius, Lithuania. (Poster)