

## RZSS Publications

### 2025

Galbusera, P., Bertola, L.D., Ball, A.D., Bishop von Wettberg, E., Bruford, M.W., Helsen, P., Hoban, S., Fienieg, E., Quinzin, M.C., Russo, I.R.M. and Segelbacher, G., 2025. Hybrids along a natural-anthropogenic gradient: Improving policy and management across all levels of biodiversity. *Conservation Letters*, 18(6), p.e13158. [Link](#)

Karaiskou, N., Ball, A., Gkagkavouzis, K., Moulistanos, A., Kalaentzis, K., Ghazali, M., Murray-Dickson, G., Minoudi, S., Parish, D., Chatzinikos, E. and Kiouisis, D., 2025. Grey Partridge (*Perdix perdix*) Introductions: Genetic Survey on Wild and Captive Populations at the Edges of the Range. *Ecology and Evolution*, 15(3), p.e71122. [Link](#)

Langridge, K., Kilshaw, K., Bacon, A., Barclay, D., Hughes, L., Scurrah-Price, A., Semple, L., Sneddon, J., MacPhearson, J., Campbell, R., Wilson, M., Gaywood, M., Hetherington, D., Kortland, K., Howard-McCoombe, J. and Senn, H., 2025. Saving wildcats in Scotland: first releases of captive-bred European wildcats. *CATNews*, 84 [Link](#)

Sinovas, P., Smith, C., Keath, S., Chantha, N., Kaden, J., Ith, S. and Ball, A., 2025. Giants in the landscape: status, genetic diversity, habitat suitability and conservation implications for a fragmented Asian elephant (*Elephas maximus*) population in Cambodia. *PeerJ*, 13, p.e18932. [Link](#)

Taylor, H.R., Allott, C., Tompkins, G. and MacGowan, I., 2025. Evidence of reproduction in the wild demonstrates initial success for reintroducing a Critically Endangered saproxylic hoverfly to a Scottish forest ecosystem. *Insect Conservation and Diversity*, 18(5), pp.757-774. [Link](#)

### 2024

Alberici, V., Desbiez, A.L.J., Pasqualotto, N. and Chiarello, A.G., 2024. Unravelling unique responses of mammal abundance to road proximity in agricultural landscapes. *Animal Conservation*, 27(5), pp.611-625. [Link](#)

Al-Ghafri, M.K., White, P.J., Briers, R.A., Ball, A., Senn, H., Al-Jahdhami, M.H., Al-Amri, H., Tiwari, B.B., Al-Harsusi, S.N., Al-Harsusi, A.G. and Al-Rawahi, Q., 2024. Implications of newly developed SNPs for conservation programmes for the threatened Nubian ibex (*Capra nubiana*) in Oman. *Conservation Genetics Resources*, pp.1-13. [Link](#)

Alves, M.H., Massocato, G.F., Barreto, L.M., Klyuber, D. and Desbiez, A.L., 2024. Common vampire bats (*Desmodus rotundus*) feeding on the giant anteater (*Myrmecophaga tridactyla*) and giant armadillo (*Priodontes maximus*): possible epidemiological implications. *Notas sobre Mamíferos Sudamericanos*, 6(1). [Link](#)

Alves, M.H., Soresini, G.C., Oliveira, J.Q., Tabosa, M.S., de Barros, R.F., Mesquita, J.T. and Desbiez, A.L., 2024. Cardiac evaluation in free-ranging giant anteaters (*Myrmecophaga tridactyla*) in the Brazilian Cerrado. *Emerging Animal Species*, 10, p.100045. [Link](#)

Ball, A., Robertson, C., Doubleday, M., of Life, W.S.I.T. and Darwin Tree of Life Consortium, 2024. The genome sequence of the Western Capercaillie *Tetrao urogallus* Linnaeus, 1758. *Wellcome Open Research*, 9, p.198. [Link](#)

Catapani, M.L., Aguirra, I.R., Araujo, F.A.S., Moss, A., Massocato, G., Oliveira, B. and Desbiez, A.L.J., 2024. Manejo do fogo na pecuária pantaneira: percepções e oportunidades para sua gestão sustentável no bioma. *Biodiversidade Brasileira*, 14(4). [Link](#)

Chhen, A., Bertassoni, A., Desbiez, A.L. and Noonan, M.J., 2024. The socio-spatial ecology of giant anteaters in the Brazilian Cerrado. *Journal of Zoology*, 324(1), pp.50-62. [Link](#)

Cools, T., Wilson, K.S., Li, D., Vancsok, C., Mulot, B., Leclerc, A., Kok, J., Haapakoski, M., Bertelsen, M.F., Ochs, A. and Girling, S.J., Zhou Y., Li R., Vanhaecke, L. and Wauters J., 2024. Development and validation of a versatile non-invasive urinary steroidomics method for wildlife biomonitoring. *Talanta*, 273, p.125924. [Link](#)

Cole, G., Lavender, E., Naylor, A., Girling, S., Aleynik, D., Oppel, S., Dodd, J. and Thorburn, J., 2024. Physiological responses to capture, handling and tagging in the critically endangered flapper skate (*Dipturus intermedius*). *Conservation physiology*, 12(1), p.coae077. [Link](#)

Desbiez, A.L.J., Massocato, G.F., Kluyber, D., N. Attias. (in press). New Data on the reproductive lifespan of giant armadillos (*Priodontes maximus*) in the wild. *Oecologia Australis*. [Link](#)

El Bizri, H.R., Oliveira, M.A., Rampini, A.P., Knoop, S., Fa, J.E., Coad, L., Morcatty, T.Q., Massocato, G.F., Desbiez, A.L., Campos-Silva, J.V. and La Laina, D.Z., 2024. Exposing illegal hunting and wildlife depletion in the world's largest tropical country through social media data. *Conservation biology*, 38(5), p.e14334. [Link](#)

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Ferreira, B., Girling, S., Guthrie, A., Milnes, E., Stidworthy, M.F. and Bacon, A., 2024. Mortality and morbidity review in the UK ex situ population of European wildcats (*Felis silvestris*) between 2000-2021. *Journal of Zoo and Wildlife Medicine* 55(2):369-380. [Link](#)

Gandia, K., Elliot, J., Girling, S., Kessler, S.E., Buchanan-Smith, H.M., 2024. The Royal Zoological Society of Scotland's approach to assessing and promoting animal welfare in collaboration with Universities. *Animals* 14(15), 2223. [Link](#)

Kitchener, A.C., Abramov, A.V., Veron, G., Banfield, L., Senn, H., Yamaguchi, N. and Puzachenko, A.Y., 2024. Geographical Variation in the Sand Cat, *Felis margarita* (Carnivora: Felidae). *Diversity*, 16(10), p.635. [Link](#)

Lakshminarayana, S.B., Guthrie, A., Blake, D.P., Harley, J., MacKintosh, A., Lait, P.J.P., Bacon, A. and Milnes, E.L. 2024 Detection of *Babesia* cf. *odocoilei*, *Babesia capreoli*, and *Anaplasma phagocytophilum* in cervids of the Scottish Highlands, United Kingdom. *Journal of Zoo and Wildlife Medicine* 55(3):750-756. [Link](#)

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- Lawson, D.J., Howard-McCombe, J., Beaumont, M. and Senn, H., 2024. How admixed captive breeding populations could be rescued using local ancestry information. *Molecular Ecology*, p.e17349. [Link](#)
- Manu, R., Veldkamp, E., Eryenyu, D., Corre, M.D. and van Straaten, O., 2024. Nitrogen and potassium limit fine root growth in a humid Afrotropical forest. *Scientific Reports*, 14(1), p.13154. [Link](#)
- Martins, N.B., de Almeida, J.C.N., Gonçalves, M.S., Gila, L.I., Yogui, D.R., Alves, M.H., Desbiez, A.L., Brandão, P.E. and da Hora, A.S., 2024. Occurrence of Typical Domestic Animal Viruses in Wild Carnivorans: An Emerging Threat to the Conservation of Endangered Species. *Transboundary and Emerging Diseases*, 2024(1), p.3931047. [Link](#)
- Ortego, J., Muñoz-Fuentes, V., López-Luque, R., Ball, A.D., Ghazali, M., Abed, S.A., Salim, M.A. and Green, A.J., 2024. Demographic and conservation genomic assessment of the threatened marbled teal (*Marmaronetta angustirostris*). *Evolutionary Applications*, 17(5), p.e13639. [Link](#)
- Ritchie-Parker, H., Keath, S., Thi, S., Hun, S., Hak, K., Phak, S., Chim, S., Mei, S., Thou, S., Phann, S.A., Khin, C., Song, I., Meas, S., Ball, A., 2024. Use of a portable DNA sequencer for invertebrate species identification in Cambodia, a pilot study. *Cambodian Journal of Natural History*, 2024(2), pp.86-90. [Link](#)
- Rodrigues, N.T., Saranholi, B.H., Inforzato, A.R., Silveira, L., Desbiez, A.L.J. and Galetti Jr, P.M., 2024. Reduced gene flow and bottleneck in the threatened giant armadillo (*Priodontes maximus*): implications for its conservation. *Genetics and Molecular Biology*, 47(1), p.e20230252. [Link](#)
- Rodrigues, N.T., Massocato, G.F., Kluwyber, D., Gestich, C.C., Saranholi, B.H., Galetti Jr, P.M. and Desbiez, A.L., 2024. Genetic analysis brings evidence of the sexual selection hypothesis for an infanticide event in giant armadillos (*Priodontes maximus*). *Mammalia*, 88(6), pp.596-600. [Link](#)
- Sada, J.M., Kluwyber, D., Lee, D.A.B., Calchi, A.C., Alves, M.H., Machado, D.M.R., Werther, K., Machado, R.Z., Desbiez, A.L.J. and André, M.R., 2024. Molecular detection and characterization of Anaplasmataceae agents, Bartonella spp. and hemoplasmas in armadillos and anteaters from Brazil. *Acta Tropica*, 260, p.107477. [Link](#)
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- Valle, D., Attias, N., Cullen, J.A., Hooten, M.B., Giroux, A., Oliveira-Santos, L.G.R., Desbiez, A.L. and Fletcher Jr, R.J., 2024. Bridging the gap between movement data and connectivity analysis using the Time-Explicit Habitat Selection (TEHS) model. *Movement Ecology*, 12(1), p.19. [Link](#)

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- Alves, B.S., Bacon, A., Langridge, K., Papasouliotis, K., Handel, I., Anderson, N.E. and Meredith, A.L., 2023. Epidemiology of a Hybrid Swarm: Evidence of 11 Feline Infectious Agents Circulating in a Population of Sympatric European Wildcat Hybrids and Free-Living Domestic Cats, in Scotland. *Transboundary and Emerging Diseases*, 2023. [Link](#)

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Calchi, A.C., Yogui, D.R., Alves, M.H., Desbiez, A.L.J., Kluyber, D., Vultão, J.G., Arantes, P.V.C., de Santi, M., Werther, K., Teixeira, M.M.G. and Machado, R.Z., 2023. Molecular detection of piroplasmids in mammals from the Superorder Xenarthra in Brazil. *Parasitology Research*, 122(12), pp.3169-3180. [Link](#)

Catapani, M.L., Desbiez, A.L. and Morsello, C., 2023. Giant anteaters as bad omens: Determinants and implications of wildlife superstitions. *People and Nature*. [Link](#)

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Applications. [Link](#)

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## 2022

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