

# Daniel Antonio Villar

DPHIL STUDENT · DEPARTMENT OF BIOLOGY

University of Oxford, Oxford, UK

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## Education

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### University of Oxford

DPHIL BIOLOGY

Oxford, U. K.

Oct. 2020 - present

- Thesis Title: Ecology and Conservation of the Titicaca Grebe (*Rollandia microptera*)
- Supervisors: Rev. Prof. Andrew G. Gosler and Dr. Jorgelina Marino

### University of St. Andrews

MRES ECOLOGY EVOLUTION AND BEHAVIOUR

St. Andrews, U. K.

Oct. 2019 - June 2020

- Thesis Title: Evolution of Same-Sex Sexual Behaviour: A Comparative Analysis in North American Field Crickets
- Supervisors: Prof. Nathan W. Bailey and Prof. Kevin Judge (MacEwan University, Canada)

### University of Oxford

BA (HONS.) BIOLOGICAL SCIENCES

Oxford, U. K.

Oct. 2016 - June 2019

- Undergraduate Project Dissertation Title: Using Diatom Based Paleoenvironmental Reconstruction of a Tropical Lake to Study Ecosystem Variability and Resilience: the Case Study of Lake Asososca, Nicaragua
- Undergraduate project supervisor: Dr. Elizabeth Jeffers

## Awards, Fellowships, & Grants

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- 2024 **Yenching Global Symposium Delegate**, Yenching Academy of Peking University
- 2024 **Travel Grant**, International Society for Behavioural Ecology
- 2023 **BES Small Grant**, British Ecological Society
- 2022 **NEIF Stable Isotope Laboratory Funding**, National Environmental Isotope Facility
- 2021 **Santander Travel Grant**, University of Oxford
- 2018 **Exhibitioner**, Wadham College, Oxford
- 2018 **Travel Grant**, Wadham College, Oxford
- 2017 **Student Grant**, Explorer's Club of New York
- 2016 **Student Grant**, Explorer's Club of New York

## Publications

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### PUBLISHED

- Villar, D. A.**, Gutiérrez Tito, E. G., Paca-Condori, A. C., Velásquez-Noriega, P., Paca-Condori, A. C., Moreno Terrazas, E. G., Balcón Cuno, A., Hinojosa Cárdenas, R., Villanueva, C., Chapman, P., Chiaverini, L., Marino, J., & Gosler, A. G. Problems Combining Modelling and Social Science Approaches to Understand Artisanal Fisheries Bycatch in Lake Titicaca. *Diversity and Distributions*. <https://doi.org/10.1111/ddi.13918>
- Villar, D. A.** Reverse Mounting in Birds. *Ethology Ecology & Evolution*. <https://doi.org/10.1080/03949370.2024.2366855>
- Villar, D. A.**, Yanes, E., Gutiérrez Tito, E., & Gosler, A. G. Addressing conflict between fishermen and conservationists through diet analysis of the Titicaca Grebe (*Rollandia microptera*). *Ibis*. <https://doi.org/10.1111/ibi.13337>
- Villar, D. A.**, Thomsen, B., Paca Condori, A. C., Gutiérrez Tito, E. R., Velásquez-Noriega, P., Mamani, E., Arivilca Vilca, M., Moreno Terrazas, E. G., Marino, J., & Gosler, A. G. 2024. Indigenous-Wildlife Conflict and Coexistence in the Altiplano. *Journal of Ethnobiology*, 44(2), 141-154. <https://doi.org/10.1177/02780771241246856>
- Villar, D. A.**, Thomsen, B., Gutiérrez Tito, E. R., Paca Condori, A. C., Velásquez-Noriega, P., Mamani, E., Arivilca, M., Moreno Terrazas, E. G., Marino, J., & Gosler, A. G. 2024. Declining Use of Totora (*Schoenoplectus californicus* subsp *tatora*) in Lake Titicaca. *Human Ecology*, 52, 1-14. <https://doi.org/10.1007/s10745-024-00478-5>

- Quispe, J., **Villar, D.**, Zapana, J., Thomsen, B., & Gosler, A. G. 2023. Perceptions of the Titicaca Grebe (*Rollandia microptera*) in a Peruvian Aymara Fishing Village. *Ethnobiology Letters*, 14(1), 49–57. <https://doi.org/10.14237/ebl.14.1.2023.1858>
- Thomsen, B., Harte, M., Muurlink, O., Copeland, K., **Villar, D. A.**, Mirin, B. H., Murtough, K. L., Fennell, S. R., Kulkarni, A., Kumar, N., Dyer, R., Deshwal, A., Campbell, P., Pekrul, A., Fanshawe, J., Maxwell, J., Zhang, Z., Thomsen, J., Coose, S., Nickerson, D., & Gosler, A. G. 2023. Decolonizing Bird Knowledge: More-than-Western Bird-Human Relations. *Ornithological Applications*, 126(1), duad053. <https://doi.org/10.1093/ornithapp/duad053>
- Villar, D. A.**, Long, P., Gutiérrez Tito, E. R., Moreno Terrazas, E. G., & Gosler, A. G.. 2023. Trends in the area of suitable breeding habitat for the Endangered Lake Titicaca Grebe *Rollandia microptera*, 2001–2020. *Bird Conservation International*, 33, E52. <https://doi.org/10.1017/S0959270923000011>

## IN PRESS

- Villar, D. A.** Lake Titicaca *In* Global Biome Conservation and Global Warming: Impacts on Ecology and Biodiversity. Demolin-Leite, G. L. (Ed.), Elsevier. 9780443157264
- Villar, D. A.**, Gutiérrez Tito, E. G., Paca-Condori, A. C., Chapman, P., Chiaverini, C., Velásquez-Noriega, P., Moreno Terrazas, M., Hinojosa Cárdena, R., Balcón Cuno, A., Villanueva, C., Mamani Mamani, E., Arivilca Vilca, M., Deshwal, A., Marino, J., & Gosler, A. G. Estimating the Global Population Size and Highlighting Conservation Priority Areas for the Endangered Titicaca Grebe. *Journal of Wildlife Management*

## BOOK REVIEWS

- Villar, D. A.** 2023. Review of *Aboriginal Peoples and Birds in Australia: Historical and Cultural Relationships* by Philip A. Clarke. Clayton: CSIRO Press. ISBN: 9781486315970. *Journal of the Anthropological Society of Oxford*. XV:284–286

## Presentations

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### INVITED PRESENTATIONS

- Villar, D. A.** 2024. Ethnobiology and Conservation. Department of Plant Sciences, Quaid-i-Azam University, Islamabad, Pakistan
- Villar, D. A.** 2024. La Ecología y Conservación del Zambullidor del Titicaca. Museo Nacional de Historia Natural, La Paz, Bolivia
- Villar, D. A.** 2024. La Importancia de las Colecciones de Historia Natural, Contemporáneas e Históricas, para la Ecología y la Conservación de la Biodiversidad. Facultad de Ciencias Biológicas, Universidad Nacional del Altiplano, Puno, Perú
- Villar, D. A.** 2023. Museología y Conservación Biológica. Servicio Nacional Forestal y de Fauna Silvestre, Puno, Perú

### CONFERENCE PRESENTATIONS

- Villar, D. A.** 2024. Combining Modelling and Social Science Approaches to Understand Artisanal Fisheries Bycatch. British Ecological Society Aquatic Group Annual Meeting. Derby, U. K.
- Villar, D. A.**, Quispe, J. 2024. Successful Community Conservation in the Altiplano. Conservation Optimism Summit. Oxford, U. K.
- Villar, D. A.** 2024. No Evidence of a Global Altitudinal Gradient in Sexual Dichromatism. British Ecological Society Macroecology Special Interest Group Annual Conference. Cardiff, U. K.
- Villar, D. A.** 2024. Indigenous-Wildlife Conflict in Lake Titicaca. 18th Congress of the International Society of Ethnobiology, Marrakesh, Morocco
- Villar, D. A.** 2024. Population Density, Mistaken Identity, and Interspecific Variation in Avian Same-Sex Sexual Behaviour. Association for the Study of Animal Behaviour Spring Meeting, Exeter, U. K.
- Villar, D. A.** 2024. Addressing conflict between fishermen and the Titicaca Grebe (*Rollandia microptera*) through diet analysis. European Ornithological Union Fledglings Meeting, Prague, Czech Republic
- Villar, D. A.**, Tinsley, E. K. 2024. Testing the Mistaken identity Hypothesis for Same-Sex Sexual Behaviour in Birds. Ethologische Gesellschaft Annual Meeting, Münster, Germany

**Villar, D. A.**, 2023. Local Attitudes Towards an Endangered Grebe. Student Conference on Conservation Science, Cambridge, U.K.

#### CONFERENCE POSTERS

**Villar, D. A.**, Tinsley, E. K. 2024. Population Density and Same-Sex Sexual Behaviour in Birds. International Society of Behavioural Ecology Congress 2024, Melbourne, Australia

**Villar, D. A.**, Thomsen, B., Paca Condori, A. C., Gutiérrez Tito, E. R., Velásquez-Noriega, P., Mamani, E., Arivilca Vilca, M., Moreno Terrazas, E. G., Marino, J., Gosler, A. G. 2024. Indigenous-Wildlife Conflict and Coexistence in the Altiplano. 7th European Congress of Conservation Biology, Bologna, Italy

**Villar, D. A.**, Marino, J, Gosler, A. G.. 2023. No Evidence of Global Altitudinal Gradient in Sexual Dichromatism. British Ecological Society Annual Meeting, Belfast, U. K.

Harasewych, M.G., González, V., **Villar, D. A.**, Strong, E., Uribe, J. E.. 2018. Phylogenetic position of the pleurotomariid snails using mitogenomics (Mollusca: Gastropoda: Vetigastropoda). Colombian Congress of Zoology, Bogotá, Colombia

#### MISCELLANEOUS PRESENTATIONS

**Villar, D. A.**. 2023. Fisher-Grebe Conflict in Lake Titicaca. Departmental seminar: Department of Biology, University of Oxford, Oxford, U. K.