

## Flamingo-related publications 2021

Relevant publications relating to flamingos, their biology, behaviour, ecology, conservation, health and/or management.

Al-Sheikhly, O.F. (2021). *The avifauna of Tigris and Euphrates River basin*. In: Jawad, L.A. (eds). *Tigris and Euphrates Rivers: their environment from headwaters to mouth*. Aquatic Ecology Series, vol 11. Springer, Cham, Switzerland, pages 913-935.  
[https://doi.org/10.1007/978-3-030-57570-0\\_39](https://doi.org/10.1007/978-3-030-57570-0_39)

Chiale, M.C., Cadierno, M.P., Fernández, P., Mijailovsky, S., Heras, H., Barbeito, C. & Montalti, D. (2021). Biochemical and morphological features of the uropygial gland of the Chilean Flamingo and their functional implications. *Zoology*, *147*, 125941.

Chiale, M.C., Rendón, M.A., Labaude, S., Deville, A.S., Garrido-Fernández, J., Pérez-Gálvez, A., Garrido, A., Rendón-Martos, M., Béchet, A. & Amat, J.A. (2021). The color of greater flamingo feathers fades when no cosmetics are applied. *Ecology and Evolution*.  
<https://doi.org/10.1002/ece3.8041>

Delfino, H.C. & Carlos, C.J. (2021). What do we know about flamingo behaviors? A systematic review of the ethological research on the Phoenicopteridae (1978–2020). *Acta Ethologica*, 1-14.  
<https://doi.org/10.1007/s10211-021-00381-y>

Delfino, H.C. & Carlos, C.J. (2021). Behavioral repertoire of a population of wild Chilean Flamingos *Phoenicopterus chilensis* in southern Brazil. *Journal of Natural History*, *55*(31-32), 1957-1981.

Delfino, H. C. & Carlos, C. J. (2021). To be or not to be a migrant: the different movement behaviours of birds and insights into the migratory status of flamingos (Phoenicopteridae). *Bulletin of the British Ornithologists' Club*, *141*(4), 418-427.

Ernoul, L., Wardell-Johnson, A., Mathevet, R., Sandoz, A., Boutron, O., Willm, L., Arnassant, S. & Béchet, A. (2021). Assessing management perceptions linked to a flagship species: A new approach to increase landscape management legitimacy and support. *Coastal Management*, *49*(4), 356-368.

Finlay, C., Weladji, R.B., Pare, P. & Body, G. (2021). Social associations in captive Caribbean flamingos *Phoenicopterus ruber* and their implications for flock management. *Journal of Zoo and Aquarium Research*, *9*(1), 35-40.

Francis, R., Bino, G., Inman, V., Brandis, K. & Kingsford, R.T. (2021). The Okavango Delta's waterbirds—Trends and threatening processes. *Global Ecology and Conservation*, *30*, e01763.

Fredriksen, A. (2021). Haunting, ruination and encounter in the ordinary Anthropocene: storying the return Florida's wild flamingos. *Cultural Geographies*,  
<https://doi.org/10.1177%2F14744740211003650>

Frongia, G.N., Naitana, S., Farina, V., Gadau, S.D., Stefano, M.D., Muzzeddu, M., Leoni, G. & Zedda, M. (2021). Correlation between wing bone microstructure and different flight styles: The case of the griffon vulture (*Gyps fulvus*) and greater flamingo (*Phoenicopterus roseus*). *Journal of Anatomy*, *239*(1), 59-69.

Gangaiamaran, P., Usmani, A.A., Gopi, G.V., Hussain, S.A. & Khan, K.A. (2021).

Photographic record of lesser flamingo *Phoeniconaias minor* (Aves: Phoenicopteridae) in Ramganga river, Bareilly, India. *Journal of Threatened Taxa*, 13(8), 19159-19161.

Grant, K.T. & Estes, G.B. (2021). First evidence of Chilean flamingo *Phoenicopterus chilensis* breeding in Galapagos. *Galapagos Research*, 70, 32-38.

Holland, R. (2021). *Ordnung: Phoenicopteriformes–Flamingos*. In: Lantermann, W. & Asmus, J. (eds). *Wildvogelhaltung*. Springer Spektrum, Berlin, Germany, pages 513-518.

Kidd, P. & Rose, P. (2021). Influences of rearing environment on behaviour and welfare of captive Chilean flamingos: A case study on foster-reared and parent-reared birds. *Journal of Zoological and Botanical Gardens*, 2(2), 174-206.

Kumar, A. & Rana, S. (2021). Distribution and demographic studies of greater flamingos (*Phoenicopterus roseus*) in District Gurugram of Haryana. *Academic Discourse*, 10(1), 21-28.

Kumar, A. & Rana, S. (2021). Population and conservation threats to the greater flamingos *Phoenicopterus roseus* (Aves: Phoenicopteriformes: Phoenicopteridae) at Basai Wetland and Najafgarh Jheel Bird Sanctuary, Haryana, India. *Journal of Threatened Taxa*, 13(7), 18894-18898.

Leineweber, C., Gohl, C., Lucht, M. & Marschang, R. E. (2021). Comparison of capillary zone electrophoresis in greater flamingos (*Phoenicopterus roseus*) and American flamingos (*Phoenicopterus*

*ruber*). *Journal of Avian Medicine and Surgery*, 35(2), 180-186.

Luque-Fernández, C.R., Caballero, K., Pauca, G.A., Villegas, L., Alcelay, I. & Machaca, J. (2021). Unmanned aerial vehicle, and GIS tools, to monitor the reproduction of the flamingo *Phoenicopterus chilensis* (Aves: Phoenicopteridae). *Revista de Biología Tropical*, 69(2), 733-742.

Mateos-Molina, D., Lamine, E.B., Antonopoulou, M., Burt, J.A., Das, H.S., Javed, S., Judas, J., Khan, S.B., Muzaffar, S.B., Pilcher, N. & Rodriguez-Zarate, C.J. (2021). Synthesis and evaluation of coastal and marine biodiversity spatial information in the United Arab Emirates for ecosystem-based management. *Marine Pollution Bulletin*, 167, 112319.

Mgimwa, E.F., John, J.R. & Lugomela, C. V. (2021). The influence of physical–chemical variables on phytoplankton and lesser flamingo (*Phoeniconaias minor*) abundances in Lake Natron, Tanzania. *African Journal of Ecology*, 59(3), 667-675.

Millán de la Blanca, M.G., Martínez-Nevado, E., Castaño, C., García, J., Bernal, B., Toledano-Díaz, A., Estes, M.C., Bóveda, P., Martínez-Fresneda, L., López-Sebastián, A. & Santiago-Moreno, J. (2021). Sperm cryopreservation in American flamingo (*Phoenicopterus ruber*): Influence of cryoprotectants and seminal plasma removal. *Animals*, 11(1), p.203.

Penticoff, H.B., Hipkiss, H.K., Hetak, A.A., Agnew, D.W. & Fortin, J.S. (2021). Survey of amyloidosis cases among different free-living wild and zoo animals. *Amyloid*, 28(3), 145-152.

Redón Calvillo, M.S., Gajardo, G., Vasileva, G.P., Sánchez Ordóñez, M.I. & Green, A. J.

(2021). Explaining variation in abundance and species diversity of avian cestodes in brine shrimps in the Salar de Atacama and other Chilean wetlands. *Water*, *13*(13), 1742.

Regaiolli, B., Spiezio, C., Ottolini, G., Sandri, C. & Vallortigara, G. (2021). Behavioural laterality in two species of flamingos: greater flamingos and Chilean flamingos. *Laterality*, *26*(1-2), 34-54.

Risely, A., Gillingham, M.A., Béchet, A., Brändel, S., Heni, A.C., Heurich, M., Menke, S., Manser, M.B. & Tschapka, M. (2021). Phylogeny-and abundance-based metrics allow for the consistent comparison of core gut microbiome diversity indices across host species. *Frontiers in Microbiology*, *12*, 659918.

Rocha, O., Pacheco, L.F., Ayala, G.R., Varela, F. & Arengo, F. (2021). Trace metals and metalloids in Andean flamingos (*Phoenicoparrus andinus*) and Puna flamingos (*P. jamesi*) at two wetlands with different risk of exposure in the Bolivian Altiplano. *Environmental Monitoring and Assessment*, *193*(8), 1-17.

Rose, P., Badman-King, A., Hurn, S. & Rice, T. (2021). Visitor presence and a changing soundscape, alongside environmental parameters, can predict enclosure usage in captive flamingos. *Zoo Biology*, *40*(5), 363-375.

Scoon, R.N. (2021). *Lake Natron and the Ngorongoro Conservation Area, Northern Tanzania*. In: The Geotraveller. Springer, Cham, Switzerland, pages 117-137. [https://doi.org/10.1007/978-3-030-54693-9\\_7](https://doi.org/10.1007/978-3-030-54693-9_7)

Sima, S., Rosenberg, D.E., Wurtsbaugh, W.A., Null, S.E. & Kettenring, K.M. (2021).

Managing Lake Urmia, Iran for diverse restoration objectives: Moving beyond a uniform target lake level. *Journal of Hydrology: Regional Studies*, *35*, 100812.

Torres, R.S.G., Bliss, C.D. & Hernández, B.E.A. (2021). Incisional infection post-phacoemulsification in a Chilean Flamingo (*Phoenicopterus chilensis*). *Journal of Avian Medicine and Surgery*, *35*(2), 204-209.

Urfi, A. (2021). Ecology for birdwatchers. A simple introduction to Optimal Foraging Theory. *Resonance*, *26*(4), 551-573.

Valle, R.G. (2021). Rapid drone semi-automated counts of wintering greater flamingos (*Phoenicopterus roseus*) as a tool for amateur researchers. *Ibis*, <https://doi.org/10.1111/ibi.12993>

Veiga, I.B., Hahn, K., Wenker, C., Wyss, F., Mühlethaler, K., Posthaus, H. & Janzen, J. (2021). Pulmonary artery aneurysm in a greater flamingo (*Phoenicopterus roseus*) associated with *Aspergillus fumigatus* infection. *Journal of Comparative Pathology*, *184*, 19-23.

Voit, M., Baumgartner, K., von Fersen, L., Merle, R., Reese, L., Wiegand, M., Will, H., Tallo-Parra, O., Carbajal, A., Lopez-Bejar, M. & Thöne-Reineke, C. (2021). Comparison of two different feather sampling methods to measure corticosterone in wild greater flamingos (*Phoenicopterus roseus*) and wild mallards (*Anas platyrhynchos*). *Animals*, *11*(10), 2796.

Vorimore, F., Hölzer, M., Liebler-Tenorio, E.M., Barf, L.M., Delannoy, S., Vittecoq, M., Wedlarski, R., Lécu, A., Scharf, S., Blanchard, Y. & Fach, P. Hsia, R.C., Bavoilk, P.M., Rosselló-Móral, R., Laroucaua, K. & K. Sachse, K. (2021). Evidence for the existence of a new genus *Chlamydiifrater*

gen. nov. inside the family Chlamydiaceae with two new species isolated from flamingo (*Phoenicopterus roseus*): *Chlamydiifrater phoenicopteri* sp. nov. and *Chlamydiifrater volucris* sp. nov. *Systematic and Applied Microbiology*, 44(4), 126200.

Wang, D. & Liu, X. (2021). Behavioral innovation promotes alien bird invasions. *The Innovation*, 2(4), 100167.

Whitfield, S.M., Patterson, J.M., Pernas, A., Davis, M., Lorenz, J.J. & Ridgley, F.N. (2021). Satellite telemetry reveals habitat selection and movement patterns of an American flamingo in Florida Bay. *Florida Field Naturalist*, 49(2), 58-81.

Wojtarowski, A., Martínez, M.L., Silva, R., Vázquez, G., Enriquez, C., López-Portillo, J., García-Franco, J.G., MacGregor-Fors, I., Lara-Domínguez, A.L. & Lithgow, D. (2021). Renewable energy production in a Mexican biosphere reserve: Assessing the potential using a multidisciplinary approach. *Science of The Total Environment*, 776, 145823.