

UNIVERSITY OF PRETORIA
DEPARTMENT OF ZOOLOGY & ENTOMOLOGY

**PUBLICATION LIST
2021**

BOOKS, BOOK CHAPTERS AND PROCEEDINGS

1. Allison, J.D. 2021. Chemical ecology and trapping techniques for *Sirex noctilio*. In: Hajek, A.E., Haavik, L.J. & Stephen, F.M. (eds) *Biology and ecology of Sirex noctilio in North America*, pp. 22-110.
2. Coen C.W., Bennett N.C., Holmes M.M. & Faulkes C.G. 2021. Neuropeptidergic and neuroendocrine systems underlying eusociality and the concomitant social regulation of reproduction in naked mole-rats: A comparative approach. In: Buffenstein R., Park T.J. & Holmes M.M. (eds) *The extraordinary biology of the naked mole-rat*. Springer, Cham. *Advances in Experimental Medicine and Biology*, 1319, pp 59-103. https://doi.org/10.1007/978-3-030-65943-1_3.
3. Faulkes C.G. & Bennett N.C. 2021. Social Evolution in African Mole-Rats – A Comparative Overview. In: Buffenstein R., Park T.J. & Holmes M.M. (eds) *The extraordinary biology of the naked mole-rat*. Springer, Cham. *Advances in Experimental Medicine and Biology*, 1319, pp 1-33. https://doi.org/10.1007/978-3-030-65943-1_1.
4. McCleery, R., Monadjem, A., Connor, L.M., Austin, J.D. & Taylor, P. 2021. Methods for ecological research on terrestrial small mammals. Johns Hopkins University Press, Baltimore, pp 384. <https://doi.org/10.2307/2425501>.
5. Mumoki, F.N. & Crewe, R.M. 2021. Pheromone communication in honey bees (*Apis mellifera*). In: *Insect pheromone biochemistry and molecular biology (Second edition)*, Blomquist, G.J. & Vogt R.G. (eds) (Academic Press, London, 2021), pp 183-204. <https://doi.org/10.1016/B978-0-12-819628-1.00006-7>.
6. Park, T.J., Smith, E.S.J., Reznick, J., Bennett, N.C., Applegate, D.T., Larson, J. & Lewin, G.R. 2021. African Naked Mole-Rats Demonstrate Extreme Tolerance to Hypoxia and Hypercapnia. In: Buffenstein R., Park T.J. & Holmes M.M. (eds) *The extraordinary biology of the naked mole-rat*. Springer, Cham. *Advances in Experimental Medicine and Biology*, 1319, pp 255-269. https://doi.org/10.1007/978-3-030-65943-1_9.
7. Rumiano, F., Gaucherel, C., Degenne, P., Miguel, E., Chamaillé-Jammes, S., Valls-Fox, H., Cornélis, D., De Garine-Wichatitsky, M., Fritz, H., Caron, A. & Tran, A. 2021. Combined use of remote sensing and spatial modelling: When surface water impacts buffalo (*Syncerus caffer caffer*) movements in savanna environments. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 43(B3-2021), pp. 631-638. <https://doi.org/10.5194/isprs-archives-XLIII-B3-2021-631-2021>.
8. Scholtz, C.H., Scholtz, J. & de Klerk, H. 2021. Pollinators, predators and parasites. Penguin Random House, South Africa, pp. 448. <https://doi.org/10.1111/aen.12576>.

ARTICLES

1. Abraham, A.J., Webster, A.B., Prys-Jones, T.O., le Roux, E., Smith, D., McFayden, D., de Jager, P.C., Clauss, M. & Doughty, C.E. 2021. Large predators can mitigate nutrient losses associated with the off-site removal of animals from a wildlife reserve. *Journal of Applied Ecology*, 58, 1360-1369. doi:10.1111/1365-2664.13878.
2. Agbessenou, A., Akutse, K.S., Yusuf, A.A., Wekesa, S.W. & Khamis, F.M. 2021. Temperature-dependent modelling and spatial prediction reveal suitable geographical areas for deployment of two *Metarhizium anisopliae* isolates for *Tuta absoluta* management. *Scientific Reports*, 11, 23346, 1-16. doi:10.1038/s41598-021-02718.
3. Aigbedion-Atalor, P.O., Hill, M.P., Ayelo, P.M., Ndlela, S., Zalucki, M.P. & Mohamed, S.A. 2021. Can the combined use of the mirid predator *Nesidiocoris tenuis* and a braconid larval endoparasitoid *Dolichogenidea gelechiidivorus* improve the biological control of *Tuta absoluta*? *Insects*, 12(11), 1004, 1-12. doi:org/10.3390/insects12111004.
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5. Alexander, G.J., Tolley, K.A., Maritz, B., McKechnie, A., Manger, P., Thomson, R.L., Schradin, C., Fuller, A., Meyer, L., Hetem, R.S., Cherry, M., Conradie, W., Bauer, A.M., Maphisa, D., O'Riain, J., Parker, D.M., Mlambo, M.C., Bronner, G., Madikiza, K., Engelbrecht, A., Lee, A.T.K., Jansen van Vuuren, B., Mandiwana-Neudani, T.G., Pietersen, D., Venter, J.A., Somers, M.J., Slotow, R., Strauss, W.M., Humphries, M.S., Ryan, P.G. & Kerley, G.I.H. 2021. Excessive red tape is strangling biodiversity research in South Africa. *South African Journal of Science*, 117(9/10), 10787, 1-4. doi.org/10.17159/sajs.2021/10787.
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 13. Ayelo, P.M., Yusuf, A. A., Pirk, C.W.W., Chailleux, A., Mohammed, S.A. & Deletre, E. 2021. Terpenes from herbivore-induced tomato plant volatiles attract *Nesidiocoris tenuis* (Hemiptera: Miridae), a predator of major tomato pests. *Pest Management Science*, 77(11), 5255-5267. doi:org/10.1002/ps.6568.
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