**TERRESTRIAL ECOLOGY UNIT**

***Publications***

***Human Wildlife Conflict***

1. **Dube, K.R**., and **Kavhu, B**. (2021) **Opportunities and challenges of human python conflict intervention in local communities adjacent to Nyanga National Park, Zimbabwe**. Conservation Science and Practice, e589. <https://doi.org/10.1111/csp2.589>
2. Chakuya Jeremiah, Gondo Reniko. **The Human Crocodile Conflicts and the Sustainable Conflict Resolutions** Review. Int J Environ Sci Nat Res. 2018; 13(2): 555856. DOI: 10.19080/IJESNR.2018.13.555856
3. Scrizzi A., Le Bel S., La Grange M., Cornelis D., **Mabika C.T**. and Czudek R. (2017) **Urban human-elephant conflict in Zimbabwe: A case study of the mitigation endeavor**. Pachyderm. No. 59 pg. 76-85

**Hippopotamus**

1. Utete B; Tsamba J; **Chinoitezvi E & Kavhu B** (2017). **Analysis of the abundance and spatial distribution of the common hippopotamus, (*Hippopotamus amphibious*) in the Manjirenji Dam, Zimbabwe to inform conservation and detect human wildlife conflict hotspots**. African Journal of Ecology (AFJE-16; DOI: 10.1111/aje .12407)

**Species distribution modelling**

1. **Kavhu, Blessing** & Mpakairi, Kudzai. (2021). **Spatial Monitoring and Reporting Tool (SMART) in Mid-Zambezi Valley, Zimbabwe: Implementation challenges and practices.** Conservation Science and Practice. 10.1111/csp2.492.
2. Timothy Kuiper, **Blessing Kavhu**, **Nobesuthu A. Ngwenya, Roseline Mandisodza-Chikerema**, E.J. Milner-Gulland (2020), **Rangers and modellers collaborate to build and evaluate spatial models of African elephant poaching**. Biological Conservation 243 (2020) 108486
3. Midzi, N., **Kavhu, B**., Manangazira, P., Phiri, I., Mutambu, S.L., Tshuma, C., Chimbari, M.J., Munyati, S., Midzi, S.M., Charimari, L. and Ncube, A., (2018). **Inclusion of edaphic predictors for enhancement of models to determine distribution of soil-transmitted helminths: the case of Zimbabwe**. Parasites & vectors, 11(1), p.47.
4. Mpakairi K S, Ndaimani H, Tagwireyi P, Gara T W, Zvidzai M and **Madhlamoto D**. (2017). **Missing in action: Species competition is a neglected predictor variable in species distribution modelling**. PLoS ONE 12(7): e0181088.

**Birds**

1. Bonenfant C., **Mabika C.T**. and Gagnon G. (2019) **Distribution and density of ox-peckers on giraffes in Hwange National Park, Zimbabwe**. *African Journal of Ecology*.
2. Tarakini, T., Sithole, S., Utete, B., Victor K. Muposhi, V.K., **Madhlamoto, D** and **Gandiwa, E.** (2017). **Host preferences, spatial distribution and interaction of oxpeckers with wild ungulates in and around southern Gonarezhou National Park**, Zimbabwe. Tropical Ecology 58(4): 833-838.

**Trophy Hunting**

1. Jeke, A., Chanyandura, A., Muposhi, V.K., **Madhlamoto, D and Gandiwa, E**. (2019). **Trophy hunting and possible source-sink dynamics in protected areas: Insights from trophy size and off-take patterns in southeast Zimbabwe.** International Journal of Zoology.
2. **Ngorima, P.** (2017). **Trophy hunting anxiety at Sengwa in retrospect, now and the future.** International Journal of Environmental Science and Natural Resources (IJESNR). 4(3) 555638.

**African wild dogs**

1. Esther van der Meer, Thomas Mutonhori, Hillary Madzikanda, **Nobesuthu Ngwenya** (2021). **Coprophagy of African wild dog faeces by spotted hyenas and hooded vultures in Mana Pools National Park**, Zimbabwe. African Journal of Ecology DOI: 10.1111/aje.12938
2. [Ellie E Armstrong](javascript:;) [Ryan, W Taylor](javascript:;) [Stefan Prost](javascript:;), [Peter Blinston](javascript:;), [Esther van der Meer](javascript:;), **Hillary Madzikanda,** [**Olivia Mufute**](javascript:;)**,**[**Roseline Mandisodza-Chikerema**](javascript:;), [John Stuelpnagel](javascript:;),Claudio Sillero-Zubiri (2019) **Cost-effective assembly of the African wild dog (Lycaon pictus) genome using linked reads**Giga Science, Volume 8, Issue 2, February 2019
3. Meer, Esther & Lyon, Nick & Mutonhori, Thomas & **Mandisodza-Chikerema,** **Roseline** & Blinston, Peter. (2018). **Dangerous game: Preferential predation on baboons by African wild dogs in Mana Pools National Park, Zimbabwe**. Behaviour. 156. 10.1163/1568539X-00003529.
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**Vegetation**

1. **Kavhu, B.,** Mashimbye, Z.E. and Luvuno, L., 2022. **Characterizing social-ecological drivers of landuse/cover change in a complex transboundary basin using singular or ensemble machine learning.** *Remote Sensing Applications: Society and Environment*, p.100773.
2. **Jeremiah Chakuya**, Cally-Ann Furamera, Debra Jimu & Tristan Tendai Cecil Nyatanga (2022): **Effects of the invasive *Hedychium‌ gardnerianum* on the diversity of native vegetation species in Bvumba Mountains, Zimbabwe**, International Journal of Environmental Studies, DOI: 10.1080/00207233.2022.2069861
3. Searle, Charlotte, Kaszta, Żaneta, Bauer, Dominik, Kesch, Kristina, Hunt, Jane, **Mandisodza‐Chikerema, Roseline**, Flyman, Michael, Macdonald, David, Dickman, Amy, Loveridge, Andrew, Cushman, Samuel (2022). **Random forest modelling of multi‐scale, multi‐species habitat associations within KAZA transfrontier conservation area using spoor data.**  Journal of Applied Ecology. DOI: 10.1111/1365-2664.14234
4. **Kavhu, B.,** Mashimbye, Z.E. and Luvuno, L., 2021. **Climate-based regionalization and inclusion of spectral indices for enhancing transboundary land-use/cover classification using deep learning and machine learning.** *Remote Sensing*, *13*(24), p.5054.
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6. **Mahakata I**., Hungwe C., Ngoni M., Matindike S., Gonhi P., Masumba Y., Kudzai M. (2021), **Topo-edaphic, Vegetation Cover and Type Influence on Spatial Distribution of Gullies in Sengwa Wildlife Research Area (SWRA)**, Northwest Zimbabwe. African Journal of Environment and Natural Science Research 4(4), 61-73. DOI URL: <https://doi.org/10.52589/AJENSR-UO9BTEUX>
7. **Tafangenyasha, C**; Ngorima, P; Musungwa, S and **Kavhu, B.** (2018). **Modifications of the Flora Zambeziaca in the Zambezi Basin by Environmental Antecedent Factors: Termites, Fire and Elephant**. International Journal of Environmental Science and Natural Resources. 12(3): 555840. DOI: 10.19080/IJESNR.2018.12.55584
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**Wildlife Management**

1. M Ndlovu, **G Matipano, R Miliyasi** (2021), **An analysis of the effect of COVID-19 pandemic on wildlife protection in protected areas of Zimbabwe in 2020**, Scientific African, doi: <https://doi.org/10.1016/j.sciaf.2021>.
2. **Jeremiah Chakuya**, **Roseline Mandisodza-Chikerema, Patmore Ngorima** and Augustine Malunga (2021) **Water sources during drought period in a Savanna wildlife ecosystem, northern Zimbabwe**. GEOLOGY, ECOLOGY, AND LANDSCAPES https://doi.org/10.1080/24749508.2021.
3. A.J. Loveridge, L.L. Sousa, J. Seymour-Smith, J. Hunt, P. Coals, H. O'Donnell, P.A. Lindsey, **R. Mandisodza-Chikerema**, D.W. Macdonald (2020), **Evaluating the spatial intensity and demographic impacts of wire-snare bush-meat poaching on large carnivores**. Biological Conservation 244 (2020) 108504
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**Cape Fox**

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**Fires**

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**Bees**

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**Small plains game**

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