

Dr. Edson Ishengoma is currently employed as a Lecturer in the Department of Biological Sciences at Mkwawa University College of Education. He obtained his PhD at Nelson Mandela African Institution of Sciences and Technology where he studied the genomics of adaptive evolution in ruminant species focusing on giraffe, okapi and cattle. His research contributed to the decoding of giraffe genome in an attempt to elucidate its unique anatomy and physiology. He maintains an interest in the molecular mechanisms governing uniqueness of species including their adaptation to fluctuating environments.

Email: edson.ishengoma@muce.ac.tz

Publications:

1. **Ishengoma E**, Agaba M and Cavener DR. 2017. Evolutionary analysis of vision genes identifies potential drivers of visual differences between giraffe and okapi. *PeerJ* 5: e3145.
2. **Ishengoma E** and Agaba M. 2017. Evolution of toll-like receptors in the context of terrestrial ungulates and cetaceans diversification. *BMC Evolutionary Biology* 17: 54.
3. Agaba M, **Ishengoma E**, Miller WC, McGrath BC, Hudson CN, Bedoya Reina OC, Ratan A, Burhans R, Chikhi R, Medvedev P, Praul CA, Wu-Cavener L, Wood B, Robertson H, Penfold L and Cavener DR. 2016. Giraffe genome sequence reveals clues to its unique morphology and physiology. *Nature communications* 7:1159.
4. **Ishengoma EB**, Jiddawi NS, Tamatamah RA and Mmochi AJ. 2011. Wild Black-lip Pearl Oyster (*Pinctada margaritifera*) Spat Collection in Tanzania. *Western Indian Ocean Journal of Marine Science* 10(1): 49-57.