

CURRICULUM VITAE

Fredrick Kyalo Manthi, PhD, EBS

Personal Details

Nationality: Kenyan
Languages spoken: English, Kiswahili and Kikamba
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College education

1990-1992 Diploma in Earth Sciences, Kenya Polytechnic
1997-1999 BA degree, majoring in Archaeology and Social Anthropology, University of Cape Town (UCT)
2001-2002 Master of Philosophy degree in Archaeology, UCT
2003-2006 PhD in Archaeology, UCT
2006-2009 Post-doctoral Fellow, State University of New York at Stony Brook/Turkana Basin Institute.

Other Training

Strategic Leadership Development Program at the Kenya School of Government – 8th March to 16 April 2021

Overall work/field experience – summary

Started working for the National Museums of Kenya (NMK) in 1986. Since then, I have participated in research in many sites in Kenya particularly in the Lake Turkana Basin, as well as Langebaanweg and Duinefontein in South Africa. Leaders of these projects have included Drs. Richard Leakey (NMK), Meave Leakey (NMK), Frank Brown (University of Utah, USA), Alan Walker (John Hopkins University, USA) and Richard Klein (Stanford University, USA). I Have also been involved in the curation of many fossil collections at the NMK, and at the South African Museum in Cape Town.

Summary of research interest and experience

My research focuses on Late Miocene and Plio-Pleistocene mammalian fossil faunas and their importance in understanding the palaeoenvironments in which early hominins evolved. Between 2003-2021, I have directed fieldwork in Plio-Pleistocene sites in the Turkana Basin (in northern Kenya) including Kanapoi, Lomekwi, Nariokotome, Todenyang, Loruth Kaado, Kakwat and Natodomeri, all in the Turkana Basin in northern Kenya, as well Lemudong'o in the south-western Kenyan Rift. These research efforts have yielded over 12,000 fossil specimens including very unique hominid fossils.

Current Position

Director, Antiquities, Sites and Monuments, NMK

Appointments

2020-present	Research Associate, Division of Anthropology, American Museum of Natural History, New York
2015-July 2021	Head, Department of Earth Sciences, National Museums of Kenya
2011- present	Adjunct Research Professor, University of Utah, USA
2006-2015	Senior Research Scientist and Head of Palaeontology Section, Department of Earth Sciences, NMK
2006-2009	Post-doctoral Fellow, Stony Brook University/Turkana Basin Institute, New York.
2003-2006	Senior Research Scientist, Palaeontology Section, Department of Earth Sciences, NMK
2000-2002	Research Scientist, Palaeontology Department, NMK
1992-1999	Collection Manager, Palaeontology Department, NMK
1986-1992	Lab Technologist/Research Assistant, Palaeontology Department, NMK

Other positions held

- Intermittently the Ag. Head of the Department of Earth Sciences, NMK, 2005-2015
- Visiting Scholar, University of Utah, 2006, 2007, 2008, 2010, 2011-13
- Visiting Scholar, State University of New York at Stony Brook, 2009
- Co-instructor, Turkana Basin Field School, Vertebrate Palaeontology Module, 2011
- Director of the West Turkana Palaeontological Research Project, 2007- present.
- Chairman, NMK's Science and Ethics Committee, 2012-2015

Special responsibilities

-Head, NMK's National Heritage Capital Challenge Campaign (2016-present) – tasked with the responsibility of mobilizing resources (approx. Kshs. 2.0 billion) for the construction of a Research and Collections Centre and rehabilitation of Kenya's heritage sites across the country.

Awards/Honours

-UCT class medals - awarded for scoring the highest marks in Archaeology and Soc. Anthropology courses: Course code AGE = Archaeology; Course code SAN = Social Anthropology

1997: - AGE 102S: Africa and World Archaeology

1998: - AGE 202S: Human Evolution

1999: - AGE 308S: Complex Societies; SAN 316S: Culture & Identity in Anthropology & History

Dean's Merit List

1998 & 1999: Placed on the Dean's Merit List, UCT

Presidential award:

Order of the Elder of the Burning Spear (E.B.S) for making a key archaeological discovery that influenced the evolutionary story of humans. Honour bestowed by the then Kenya's President H.E Mwai Kibaki on the 12th December 2007.

Palaeontologic Scientific Trust (PAST) of South Africa Award

The first recipient of the PAST's Young Researcher Excellence Award 2008

The Society of Vertebrate Palaeontology Award

The first recipient of the Society of Vertebrate Paleontology (SVP) Scholar from Less Developed Nations Award – to attend and present a paper during the SVP meeting (September 2009) in Bristol, UK

The AfOx Award 2018

Awarded to travel to the University of Oxford, UK, for an exchange program on research and public outreach.

Selected Research/Fellowship/Workshop/Outreach grants won and awarded

NSF- Collaborative Research: Joint Paleontological and Archeological Investigations of Pleistocene Sediments at Natodomeri, Kenya (2020-2024), grant number: 1947147; amount \$213,805

Leakey Foundation (USA) Baldwin Fellowships (1997-1999, 2001-2005)

Leakey Foundation Research grants (2003, 2006, 2008-2019)

Leakey Foundation Grant (2009) for public outreach programs on Kenya's prehistory through the Prehistory Club

National Geographic Society Research Grant (2017)

Palaeontologic Scientific Trust (South Africa) grant (2004, 2008-2019)

National Science Foundation (USA), Researching Hominid Origins Initiative (RHOI) grant (2004)

Wenner-Gren Foundation (USA) workshops grant (2007, 2011, 2016) and Post-PhD Research Grant (2009, 2010, 2015, 2018)

National Science Foundation (NSF) Collaborative Research: “Renewed field investigation of *Australopithecus anamensis* sites at Kanapoi, Kenya” (2012-2015)

NSF Collaborative Research: “Renewed field investigations of Pliocene sediments at Lomekwi, Nachakui Formation, Kenya” (2016-2019).

NSF Researching Hominid Origins Initiative (RHOI) grant (2004)

Netherlands Embassy Cultural Grant (2007) for public outreach programs on Kenya’s prehistory through the Prehistory Club

US Ambassador’s Grant (2006), for public outreach programs on Kenya’s prehistory through the Prehistory Club

Safaricom (K) Ltd grants (2005-2008), for public outreach programs on Kenya’s prehistory through the Prehistory Club

Special fundraising and grant-writing strengths/talents

-Over the years, I have attained exemplary skills and knowledge in mobilizing resources and proposal writing. This has enabled me raise over \$1M for my research (see attached summary) since 2003, and over US\$ 60,000 for public programs (workshops, talks in schools, etc.,) on Kenya’s prehistory. These funds have been awarded by different locally and foreign-based organizations.

-Recently, through a grant proposal that I guided, the Japanese government awarded the NMK (through the Kenyan Government) a cultural grant amounting to ¥400 million (Japanese Yen), that went into in the procurement of equipment for the conservation of Kenya’s palaeoanthropological heritage, as well as the purchase of Audio Visual and Casting equipment.

-Through my guidance, Amazon Web Services and Intel recently awarded \$400,000 (through Digital Divide Data) for the digitization of 10,000 records associated with Kenya’s palaeontological and archaeological collections which are housed in the Department of Earth Sciences.

Scientific publications

Bobbe, R., **Manthi, F. K.**, Ward, C. V., Plavcan, J. M. and Carvalho, S. 2020. The ecology of *Australopithecus anamensis* in the early Pliocene of Kanapoi, Kenya. *J. of Hum. Evol.* <https://doi.org/10.1016/j.jhevol.2019.102717>

Frost, S. R., Ward, C. V. **Manthi, F. K** and Plavcan, J. M 2020. Cercopithecoid Fossils From Kanapoi, West Turkana, Kenya (2007-2015). *J. of Hum. Evol.*, [10.1016/j.jhevol.2019.102642](https://doi.org/10.1016/j.jhevol.2019.102642)

Gunnell, G. F. and **Manthi, F. K.** 2020. Bats (Chiroptera) from Kanapoi. *J. of Hum. Evol.*, [10.1016/j.jhevol.2018.01.001](https://doi.org/10.1016/j.jhevol.2018.01.001)

- Manthi, F. K. and Winkler, A. J. 2020. Rodents and other terrestrial small mammals from Kanapoi, northern Kenya. *J. of Hum. Evol.* <https://doi.org/10.1016/j.jhevol.2019.102694>
- Manthi, F. K., Plavcan, J. M. and Ward, C. V. 2020. Introduction to Special Issue Kanapoi: Paleobiology of a Pliocene Site in Kenya. *J. of Hum. Evol.* 140:102718. doi: 10.1016/j.jhevol.2019.102718. Epub 2020 Feb 10.
- Skinner, M. M, Leakey, M. G, Leakey, L. N. **Manthi, F. K** and Spoor, F. 2020. Hominin dental remains from the Pliocene localities at Lomekwi, Kenya (1982-2009). *J. of Hum. Evol.*, 145:1-24.
- Wang, K., Goldstein, S., Bleasdale, M., Clist, B., Bostoen, K., Bakwa-Lufu, P., Buck, L. T., Crowther, A., Dème, A. McIntosh, R. J., Mercader, J., Ogola, C., Power, R. C., Sawchuk, E., Robertshaw, P., Wilmsen, E. N. Petraglia, M., Ndiema, E. **Manthi, F. K.**, Krause, J. Roberts, P., Boivin, N. and Schiffels, S. 2020. Ancient genomes reveal complex patterns of population movement, interaction, and replacement in sub-Saharan Africa. *Science Advances, Research article.*
- Manthi, F. K., Sanders, W. J., Plavcan, J. M., Cerling, T. E. and Brown, F. H. 2019. Late Middle Pleistocene Elephants from Natodomeri, Kenya and the Disappearance of *Elephas* (Proboscidea, Mammalia) in Africa. *J. of Mammalian Evol.*
DOI: 10.1007/s10914-019-09474.
- Patterson, D. B. Braun, D. R., Allen, K., Barr, W. A., Behrensmeier, A. K., Biernat, M., Lehmann, S. B., Maddox, T. **Manthi, F. K.**, Merritt, S. R., Morris, S. E. O'Brien, K., Revees, J. S., Wood, B. A and Bobe, R, Comparative isotopic evidence from East Turkana supports a dietary shift within the genus *Homo*. 2019. *Nature Ecology & Evolution*, 3: 1048–1056.
- Manthi, F. K., Brown, F. H., Plavcan, M. J. and Werdelin, L. 2018. Gigantic lion, *Panthera leo*, from the Pleistocene of Natodomeri, eastern Africa. *Journal of Paleontology*, <https://www.cambridge.org/core>. IP address: 81.228.194.49, on 09 Nov 2017
- Ward, C. V., Plavcan, J. M. and **Manthi, F. K.** 2017. New fossils of *Australopithecus anamensis* from Kanapoi. *Journal of Human Evolution*, <https://www.sciencedirect.com/science/article/pii/S0047248417303159>
- Manthi, F. K., Cerling, T. E., Chritz, K. L. and Blumenthal, S. A. 2017. Diets of mammalian fossil fauna from Kanapoi, northwestern Kenya. *Journal of Human Evolution*, <http://dx.doi.org/10.1016/j.jhevol.2017.05.005>
- Cerling, T. E., Adanje, S. A., Blumenthal, S. A., Brown, F. H., Chritz, K. L., Harris, J. M., Hart, J. A., Kirera, F. M., Kaleme, P. Leakey, L. N., Leakey, M. G., Levin, N. E., **Manthi, F. K.**, Passey, B. H. and Uno, K. T. 2015. Dietary changes of large herbivores in the Turkana Basin, Kenya from 4 to 1 Ma. 2015. *PNAS*, www.pnas.org/cgi/doi/10.1073/pnas.1513075112.
- Lihoreau, F., Boisserie, J-R., **Manthi, F. K.** and Ducrocq, S. 2015. Hippos stem from the longest sequence of terrestrial cetartiodactyl evolution in Africa. *Nature Communications* 6:6264 | DOI: 10.1038/ncomms7264 | www.nature.com/naturecommunications.
- McNulty, K. P., Begun, D. R., Kelley, K., **Manthi, F. K.** and Mbua, E. N. 2015. A systematic revision of *Proconsul* with the description of a new genus of early Miocene hominoid". *Journal of Human Evolution*, 84: 42-61.
- Smith T. M, Tafforeau P, Le Cabec A, Bonnin A, Houssaye A, Pouech J, Moggi-Cecchi, **Manthi F. K.**, Ward, C.V., Makaremi M and Menter, C. G. 2015. Dental ontogeny in Pliocene and early Pleistocene hominins. *PLoS One* 10(2): e0118118.
- Wichura, H., Jacobs, L. L., Lin, A., Polcyn, M. J., **Manthi, F. K.**, Winkler, D. A., Strecker, M. R. and Clemens, M. 2015. A 17-My-old whale constrains onset of uplift and climate change in east Africa. *Proceedings of the National Academy of Sciences (PNAS)*, USA, www.pnas.org/cgi/doi/10.1073/pnas.1421502112

- Maddux, S. D., Ward, C. V., Brown, F. H., Plavcan, J. M. and **Manthi, F. K.** 2014. A 750,000 year old hominin molar from the site of Nadung'a, West Turkana, Kenya. *Journal of Human Evolution*, 80: 179-183.
- Cerling, T.E., Chritz, K.L., Jablonski, N.G., Leakey, M.G., **Manthi, F.K.**, 2013. Diet of *Theropithecus* from 4 to 1 Ma in Kenya. *Proc. Natl. Acad. Sci.* 110, 10507–10512.
- Geraads, D., Bobe, R. and **Manthi, F. K.** 2013. New ruminants (Mammalia) from the Pliocene of Kanapoi, Kenya, and a revision of previous collections, with a note on the Suidae. *J. Afr. Earth Sci.* 85, 53e61.
- Cerling, T. E., **Manthi, F. K.**, Mbua, E. N., Leakey, L. N., Leakey, M. G., Leakey, R. E., Brown, F. H., Grine, F. E., Hart, J. A., Kaleme, P., Roche, H., Uno, K. T. and Wood, B. A. 2013. Stable isotope-based diet reconstructions of Turkana Basin hominins. *PNAS, USA*, vol. 10 (26): 10501–10506.
- Ward, C. V., **Manthi, F. K.** and Plavcan, M. J. 2013. New fossils of *Australopithecus anamensis* from Kanapoi, West Turkana, Kenya (2003-2008). *JHE*, 65: 501-524.
- Ward, C. V., Tocheri, M. W., Plavcan, J. M. Brown, F. H. and **Manthi, F. K.** 2013. Early Pleistocene third metacarpal from Kenya and the evolution of modern human-like hand morphology. *PNAS, USA*, www.pnas.org/cgi/doi/10.1073/pnas.1316014110.
- Conrad, J. L., Jenkins, K., Lehmann, T., **Manthi, F. K.** Peppe, D. J., Nightingale, S., Cossette, A., Dunsworth, H. M., Harcourt-Smith, W. E. H. and McNulty, K. P. 2013. New specimens of 'Crocodylus' pigotti (Crocodylidae) from Rusinga Island, Kenya, and generic reallocation of the species. *Journal of Vertebrate Paleontology (JVP)*, 33(3):629–646.
- Marivaux, L., Lihoreau, F., **Manthi, F. K.** and Ducrocq, S. 2012.. A new phiomorph (Rodentia, Hystricognathi) from the late Oligocene of Lokone (Turkana Basin, Kenya). *JVP*, 32(3): 646–657.
- Manthi, F. K., Plavcan, J. M., Ward, C. V. 2012. New hominin fossils from Kanapoi, Kenya, and the mosaic evolution of canine reduction in early hominins. *South African Journal of Science*, 108 (3/4), Art. #724, 9 pages. [http:// dx.doi.org/10.4102/sajs.v108i3/4.724](http://dx.doi.org/10.4102/sajs.v108i3/4.724).
- Werdelin, L. and **Manthi, F. K.** 2012. Carnivora from the Kanapoi hominin site, northern Kenya. *Journal of African Earth Sciences*, 64: 1-8.
- Ducrocq, S., **Manthi, F. K.** and Fabrice, L. 2011. First record of a parapithecoid primate from the Oligocene of Kenya. *JHE*, 61: 327-331
- Cerling, T. E, Mbua, E., Kirera, F. M., **Manthi, F. K.**, Grine, F. E., Leakey, M. G., Sponheimer, M. and Uno, K. T. Diet of *Paranthropus boisei* in the early Pleistocene of East Africa. *PNAS, USA*, 108:9337–9341.
- O'Connor, P. M., Sertich, J. W. and **Manthi, F. K.** 2011. A pterodactyloid pterosaur from the Upper Cretaceous Lapurr sandstone, West Turkana, Kenya. *Annals of the Brazilian Academy of Sciences*, 83(1): 309-315.
- Ward, C, Plavcan, J. and **Manthi, F.** 2010. Anterior dental evolution in *Australopithecus anamensis-afarensis* lineage. *Philosophical Transactions of the Royal Society B*, 365: 3333-3344.
- Manthi, F. K. 2008. The taphonomy of the Pliocene microfauna from Kanapoi, north-western Kenya. *Journal of Taphonomy*, 6 (1): 41-66.
- Manthi, F. K. 2007. A preliminary review of the rodent fauna from Lemudong'o. southwestern Kenya, and its implication to the late Miocene paleoenvironments. *Kirtlandia*, 56: 92-105.
- Sertich, J. J. W., Sampson, S. D., Loewen, M. A., Gathogo, P., Brown, F. H., **Manthi, F. K.** 2005. Dinosaurs of Kenya's rift: fossil preservation in the Lubur Sandstone of northern Kenya. *JVP*, 25(3): 114A.

Other publications (theses, articles)

- Manthi, F. K. 2006. The Pliocene micromammalian fauna from Kanapoi, northwestern Kenya, and its contribution to understanding the environment of *Australopithecus anamensis*. PhD thesis, University of Cape Town.
- Manthi, F. K. 2002. The taphonomy of a micromammalian faunal assemblage from the Saldanha Bay Yacht Club: a contribution to the study of the South African west coast palaeoenvironments. Masters Thesis, University of Cape Town.
- Njenga, A. and **Manthi, F. K.** 2007. Challenges in teaching prehistory and evolution in Kenya. *AnthroNotes*, Volume 28 2): 6-9.

Selected workshops/ symposia/conferences attended

- 2002: Society of Vertebrate Paleontology Symposium in Norman, Oklahoma, USA
- 2004: East African palaeoecology: the faunal evidence - workshop held at the Smithsonian Institution, USA
- 2005: Pan-African Archaeological Congress held in Gaborone, Botswana
- 2006 -2010: Human Evolution (HE) symposia/workshops convened by Dr. Richard Leakey in Stony Brook, NY - October, 2006 and September, 2007, in Kenya, 2008-2010. The workshops have focused on the evolution of *Homo*, the evolution of the australopithecines, the evolution of *Paranthropus boisei*, and the Miocene apes.
- 2007: INQUA workshop, Cairns, Australia
- 2009: 'Darwin's Legacy: Early Evolution in Africa', a conference held at the American Museum of Natural History, New York, to commemorate the 200th anniversary of Darwin's birth.
- 2009: National Museums of Kenya (NMK) Science Conference, Nairobi, Kenya
- 2009: East African Association of Prehistory and Palaeoanthropology (EAAPP) Conference in Arusha, Tanzania
- 2009 Society of Vertebrate Paleontology Symposium in Bristol, UK
- 2009 Geological Society of America Meeting in Portland, Oregon, USA.
- 2011: East African Association of Palaeoanthropologists and Palaeontologists (EAAPP) Conference in Addis Ababa, Ethiopia
- 2013: EAAPP Conference in Mombasa, Kenya
- 2014: American Association of Physical Anthropologists (AAPA) Meeting in Calgary, Canada
- 2015: AAPA Meeting in St. Louis, Missouri, USA. 2015: Society of Vertebrate Paleontology Meeting in Dallas, Texas, USA.
- 2016: Society of Vertebrate Paleontology Symposium in Salt Lake City, Utah, USA
- 2017: EAAPP Conference in Addis Ababa, Ethiopia
- 2017: ECHOES Workshop at the University of Helsinki, Finland
- 2018: AFQUA Conference, Nairobi, Kenya

Selected recent research presentations/abstracts

- 2018, A preliminary report on the Middle Pleistocene sites in Natodomeri, northwestern Kenya. A presentation at the AFQUA Conference in Nairobi, July 2018.

- 2017, Manthi, F. K. Expanding our understanding of the faunal record and the palaeoecology in the Omo-Turkana Basin. A presentation during the ECHOES Workshop in Helsinki, 3rd – 6th September 2017.
- 2017, Manthi, F. K. Celebrating the heroes of African prehistory research. A presentation during the EAAPP Meeting in Addis Ababa, 30th July – 3rd August 2017.
- 2016, Manthi, F. K., Plavcan, M.J and Ward, C. V. The paleoecology of the Pliocene site of Kanapoi, northwestern Kenya. A presentation during the Society of Vertebrate Paleontology Meeting, October 26 – 29, 2016, Salt Lake City, Utah.
- 2015, Manthi, F., Jacobs, L. L., Polcyn, M. J., Winkler, D. A. and Scotese, C. R. CT assessment and Phylogenetic relationships of a Miocene Beaked whale from Kenya. Poster presentation during the Society of Vertebrate Paleontology Meeting in Dallas, TX, USA.
- 2015, Gunnell, D. F., Winkler, A. J. and Manthi, F. K. Pliocene Bats (Chiroptera) from the Kanapoi Formation, northern Kenya. Poster presentation during the Society of Vertebrate Paleontology Meeting in Dallas, TX, USA.
- 2015, Plavcan, M., J. Ward, C. W. and Manthi, F. K. New specimens of *Australopithecus anamensis* from Kanapoi, Kenya. A presentation during the Annual Meeting of the American association of Physical Anthropologists, March 25-28 2015, St. Louis, Missouri.
- 2015, McNulty, K., P., Nengo, I. O., Fox, D. L., Stephens, N. J., Manthi, F. K., Mbuu, E. N. and Peppe, D. J. New partial cranium from an early Miocene locality at Lower Kapurthay. A presentation during the Annual Meeting of the American association of Physical Anthropologists, March 25-28 2015, St. Louis, Missouri.
- 2014, McNulty, K., MacLachy, L., Rossie, J., Peppe, D., Deino, A., Mbuu, E., Manthi, F., Nengo, I., Miller, E., Stevens, N., Cote, S., Lehmann, T., and Gutierrez, M. Research on East African Catarrhine and Hominoid Evolution: results from the first year. *Am. J. Phys. Anthropol.* Supplement 153 (S58):182.
- 2014, McNulty, K., L. MacLachy, L., Rossie, J., Peppe, D., Nengo, I., Manthi, F., Miller, E., Stevens, N., Cote, S. and Lehmann, T. A regional approach to East African early Miocene paleobiology. Accepted as a poster Presentation for the *Society of Vertebrate Paleontology*.
- 2011, Manthi, F. K. The Pleistocene fossils of the Nariokotome Member, Nachukui Formation, Kenya. *East African Association of Prehistory and Palaeoanthropology Conference* in Addis Ababa, Ethiopia
- 2009, Manthi, F. K. Small mammals' tooth enamel: a means to understanding palaeoenvironments. *National Museums of Kenya Science Conference*, Nairobi, Kenya
- 2009, Manthi, F. K., Levin, N. E. and Cerling, T. E. Small mammals' tooth enamel: a means to understanding palaeoenvironments. *Geological Society of America, Portland, Oregon, USA*

2009, Manthi, F. K. The taphonomy of two fossil small mammal assemblages in northwestern Kenya. *Journal of Vertebrate Palaeontology, Bristol, United Kingdom*

2007, Manthi, F. K. The importance of modern small mammal faunas as proxies for palaeoenvironments: the Kanapoi evidence. *International Union of Quaternary Research Meeting, Cairns, Australia.*

Selected Recent Pedagogical Presentations/Discussions

2019, Manthi, F. K. Decolonizing African museums: the African perspective, *A presentation at the University of Oxford, UK.*

2019, Manthi, F. K. The Prehistory Club of Kenya: reaching Kenya's youth, *A presentation at the University of Oxford, UK.*

2017, Manthi, F. K. The role of the National Museums of Kenya in modern day ecological research and environmental issues, *A presentation to students at Southern Methodist University, Dallas, USA.*

2016, Manthi, F. K. Kenya, the Cradle of Mankind. *A presentation at the Magical Kenya Travel Expo held at the Kenyatta International Convention Centre, Nairobi Kenya.*

2009, Manthi, F. K. The East African Pliocene environments: the Kanapoi faunal evidence. *Stony Brook University, New York, USA.*

2009, Manthi, F. K. What do we know about the environments of *Australopithecus boisei*? *Turkana Basin/Stony Brook University Human Evolution Workshop, South Turkwell, Kenya.*

2009, Manthi, F. K. Small mammal faunas as proxies for Pliocene environments in eastern Africa. *Presentation in a conference entitled: Darwin's Legacy: Early Human Evolution in Africa, organized by the New York Consortium in Evolutionary Primatology, at the American Museum of Natural History, New York, USA.*

2008, Manthi, F. K. The environments of the early australopithecines: the micromammalian evidence. *Turkana Basin/Stony Brook University Human Evolution Workshop, Nairobi, Kenya.*

Selected synergistic activities

2016, organizer, Celebrating the Unsung Heroes of African prehistory workshop, at the NMK

2014, co-organizer, NMK Science Open Day (Chair of the Organizing Committee)

2013, co-organizer, NMK Science Conference (Chair of the Organizing Committee)

2012, co-organizer, NMK Science Open Day (Chair of the Organizing Committee)

2011, organizer, “Bridging the gap between religion and evolution’ in Kenyan Schools’ Teachers’ Workshop” at the National Museums of Kenya, supported by the Wenner-Gren Foundation

2011, co-organizer, NMK Science Conference

2011, co-instructor, Turkana Basin Field School, Vertebrate Palaeontology Module

2010, co-organizer of NMK Science Open Day

2009, co-organizer, NMK Science Conference

2007, co-organizer, National Museums of Kenya Scientific Conference

2007, organizer, ‘Teaching Human Evolution in Kenyan Schools’ Workshop at the Kenya Institute of Education, supported by the Wenner-Gren Foundation and Heritage Foundation, all based in the US.

Collaborators in Research

Thure E. Cerling, Univ. of Utah; Carol Ward, Univ. of Missouri; J. Michael Plavcan, Univ. of Arkansas; Ashley Hammond, AMNH; Meave Leakey, Turkana Basin Institute; Naomi Levi, Univ. of Michigan, René Bobe, George Washington Univ.; Kieran McNulty, Univ. of Minnesota; Craig Feibel, Rutgers Univ.; Nancy Stevens, Ohio University; Tanya Smith, Australian Research Centre for Human Evolution, Griffith University; Mikael Fortelius, Univ. of Helsinki; Denis Geraad, UPR 2147 du CNRS, Paris, France; Scott Maddux, Univ. of Missouri; Fabrice Lihoreau, Université Montpellier II; Jean-Renaud Boisserie, Université de Poitiers and Stéphane Ducrocq, Université de Poitiers; Steve Frost, Univ. of Oregon; Lars Werdelin, Swedish Museum of Natural History; Jason Head, Univ. of Nebraska; Peter Ungar, Univ. of Arkansas; Johannes Müller, Museum für Naturkunde, Leibniz Institute for Evolution and Biodiversity Science; Kathlyn Stewart, Canadian Museum of Nature; Chris Brochu, Univ. of Iowa; Bert Van Bocxlaer, Univ. of Ghent., Scott Blumenthal, Univ. of Oxford, Julia Lee-Thorp, Univ. of Oxford.

A summary for consultancy - palaeontological and archaeological impact assessments

2011, Palaeontological/archaeological Consultant during the Kipeto Wind Energy Stakeholders Engagement Meetings

2017, a lead expert during the palaeontological/archaeological impact assessment for the Kopere Solar Park Ltd - a project in the Songhor area of Nandi County towards the development of a 40MW Solar Park

2018, a lead expert during the palaeontological/archaeological impact assessment for the Kipeto Wind Energy Project currently build undertaken in Kajiado

2018, a lead expert during the palaeontological/archaeological impact assessment for the Isiolo Wind Energy Project currently build undertaken in Isiolo – a project being undertaken by Total (K) Ltd.

2018-2019, a lead expert during the palaeontological/archaeological impact assessment for the Lokichar to Lamu Crude Oil Pipeline Project – commissioned by Golder Associates

Important personal initiative/s

2000, Founder and President of the Prehistory Club (www.prehistoryclubkenya.org), NMK. The main objective of the Club is to educate Kenyans particularly high school and university students about human evolution, as well as Kenya's and the World's prehistory.

A selected number of community service/public education engagements

2013-2015, Chairman, Thomeandu Boy's Secondary School Board of Management

2014-2015, together with colleagues and friends largely in the US, raised a total of US\$ 30,000 for a Science Lab at Thomeandu Boys Secondary School.

2013, initiated/built a school at Kanapoi, Turkana County, as part of my research project's social responsibility.

2008-2011, Board Member, Thomeandu Boy's Secondary School (Makueni) Board of Management

2000-present, presented lectures in over 120 schools across Kenya on Kenya's unparalleled prehistoric heritage that has placed the Country on the world map as the Cradle of humankind.

A selected number of national assignments in foreign countries/missions

2022, was appointed a Committee Member of the Memory of the World National Committee, after being appointed into this Committee by the Kenya National Commission for UNESCO.

2016, was part of the Kenyan Delegation led by Kenya's Cabinet Secretary Ministry of Foreign Affairs that attended the United Nations Conference on Trade and Development (UNCTAD) Information Session in Geneva Switzerland, where I presented a mini-exhibition on 'Kenya the Cradle of humankind'. The meeting preceded an UNCTAD Meeting that took place in Nairobi in July 2016

2015, was part of the Kenyan delegation led by Kenya's Cabinet Secretary Ministry of Foreign Affairs that attended the 10th World Trade Organization (WTO) Ministerial Conference that took place in Geneva, Switzerland. The meeting preceded a WTO Meeting that took place in Nairobi in December 2015. During the meeting in Geneva, I exhibited on 'Kenya the Cradle of humankind'.

2014, was part of a Kenyan delegation and the leader of the 'Kenya the Cradle of humankind' exhibition team at the Smithsonian Folk-life Festival held at the National Mall, Washington DC.

2005, was part of a Kenyan delegation and the leader of the 'Kenya the Cradle of humankind' exhibition team at the Aichi (Japan) World Expo.

Mentorship and supervisory roles of Kenyan students

2010-present, have mentored and obtained scholarships to 10 Kenyans to pursue undergraduate and graduate studies at the University of Nairobi (Kenya), University of Cambridge (UK), University of Liverpool, (UK), University of Arkansas (USA), Ohio University (USA), Baylor University (USA), Stony Brook University (USA) and University of Dar es Salaam (Tanzania). I have also co-supervised two Masters Degree students, and currently co-supervising a Kenyan Masters degree student at the University of Dar es Salaam..

Referees

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Curriculum Vitae

Hoseah Wanderi Mwangi

Summary

Areas of Specialization: Cultural and natural heritage conservation

I have 24 years' experience in heritage management and governance particularly in World Heritage properties. I studied Anthropology in my first and second degree (1993-1997) and (2006-2010) respectively from the University of Nairobi. In addition to the university degrees, I have also attended relevant short courses in heritage management in the course of my work and has authored several papers on heritage management matters.

I was the coordinator of the immovable heritage programme at the Centre for Heritage Development in Africa (CHDA) from 2012-2016. I am currently a research scientist based at the Directorate of Antiquities Sites and Monuments of the National Museums of Kenya. Key result areas in my directorate has entailed working with communities in heritage governance, fund-raising, report writing, nomination file development for World Heritage Sites inscription, State of Conservation reporting for world Heritage properties, periodic reporting, review of environmental and social impact assessment reports for key development projects in Kenya and development of site management plans.

I was a key researcher and author in four successful nomination files for world heritage inscription of the State Party of Kenya. Owing to the diverse knowledge and experience, I have been participating as a resource person in the World Heritage Nominations training programme for young African heritage professionals organized by the School of African Heritage (EPA) and Centre for Heritage Development in Africa (CHDA) supported by the African World Heritage Fund since 2013.

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Personal details

Date of Birth: 30.10.1972

Languages spoken: Fluent in spoken and written English, Kiswahili and Gikuyu languages

Education

M.A. in Anthropology, University of Nairobi, Kenya 2010

B.A. in Anthropology, University of Nairobi, Kenya 1997

Current position

Research Scientist at the Directorate of Antiquities Sites and Monuments, National
Museums of Kenya
September 1, 2000-ongoing

Research Experience

1. 2021 to date: Currently collaborating with the WWF as a researcher in a project dubbed; Land for Life: securing livelihoods and empowering vulnerable Maasai Communities. The project area is the Loita Hills within Mau-Mara Sub-Landscape in Narok County.
2. 2012-2017: Research and documentation leading to the successful inscription of Thimlich Ohinga Archaeological Site on the UNESCO World Heritage Site
2. 2016-2017: Research on Mutomo Hill Plant Sanctuary Reptile Park and Development of its Management Plan, in Kitui County, Kenya
3. 2009-2012: Participation in a project on: Globally Important Agricultural Heritage Systems; Pastoral System and Upland Agro-ecosystem (Kenya and Tanzania) funded by the Food and Agricultural Organization (FAO) that focused on the sustainability of the Maasai pastoral system in Kajiado County

4. December 2011 - February 2012, Consultancy work on dossier development for the extension of Lewa Wildlife Conservancy to be part of the Mount Kenya World Heritage Site.
5. 2009-2010. Field and desktop research for development of nomination file for the listing of the Kenya Lakes System in the Great Rift Valley in the World Heritage List. Project funded by the Nordic World Heritage Foundation (NWHF).
6. Documentation of rock art sites in Western Kenya and sites in Mukono District, Uganda in 2005. Project was a collaboration of the National Museums of Kenya, National Museums of Uganda, Kyambogo University of Uganda, Abasuba Community Peace Museum, and the Trust for African Rock Art (TARA).
7. Documentation of desert cultures in Marsabit District, Eastern Province in 2005. The Project was a collaboration of the National Museums of Kenya, the Loiyangalani community, and the Italian Cooperation Programme.
8. Research and documentation of Lamu heritage leading to a successful proposal for the listing of Lamu Old Town of Kenya in the World Heritage List.
9. 1998 Successful proposal development for the enlistment of Thimlich Ohinga, a stone monument in Western Kenya, to be included in the list of One Hundred Most Endangered Sites in the World (2000) in the World Monument Watch Program.

Professional training

1. Capacity Building Workshop on Nature-Culture Linkages in Heritage Conservation in Asia and the Pacific: Disasters and Resilience, University of Tsukuba, Japan from 21st September -1st October, 2018
2. Training course on World Heritage nominations in Mohale, Lesotho from 4th-13th November 2009;
3. Training course on World Heritage nominations in Sehlabathebe National Park, Lesotho from 4th-15th November 2008;
4. Training course on conservation of historic buildings from 28th April to 17th May 2008 in Lund University, Sweden;
5. Training course on conservation of historic buildings from 1st -12th December 2008, in Tunis, Tunisia;

6. Training course on Quality Management Systems and implementation of ISO 9001-2000, 26th -28th June 2007 Kakamega, Kenya;
7. UNESCO Junior Fellowship in African Archaeology Funded by UNESCO and Polish Academy of Sciences, Poznan Museum of Archaeology, Poland from 1st October 2004 - 30th March 2005.

Participation in World Heritage Conferences

1. Has represented Kenya as a technical person in over five World Heritage Committee's sessions
2. Participated in an international conference on: Safeguarding the African World Heritage as a driver for Sustainable Development held in Arusha, Tanzania in June, 2016.
3. Represented Kenya in an International Meeting on African Human Origin Sites and the World Heritage Convention, held in Addis Ababa, Ethiopia, February 2011 under the Human Evolution: Adaptations, Dispersals, and Social Developments World Heritage Thematic (HEADS) Programme.
4. Represented Kenya in an expert working group on serial nominations and properties held in Ittingen, Switzerland in May, 2010.

Participation in world heritage training programmes

1. Was the cultural resource person in a capacity building session, supported by the UNESCO World Heritage Centre, for the State of Somalia in the development of the State Party's Tentative List held in Mombasa Kenya from 28 November – 1 December 2022. I have continued to offer technical assistance in the tentative list development process virtually because this is an ongoing exercise.
2. Was a resource person in a Regional World Heritage Nomination Training Course organized by EPA/AWHF, for the Anglophone Africa in Dar es Salaam Tanzania in December 2021.
3. Was a resource person in an online World Heritage Nominations training workshop organized by EPA/AWHF, for the Anglophone Africa in September, 2020. I have been giving technical assistance to the Nigerian nomination dossier development for Surame Cultural Landscape for World Heritage Listing.

4. Was a resource person in a World Heritage nominations training workshop organized in Ile-Ife, Nigeria in October, 2019. Reviewed and assisted in the refinement of the South African Nomination of Human Rights, Liberation and Reconciliation: Nelson Mandela Legacy Sites. I prepared a review report of the nomination.
5. Participated in the CHDA/EPA proposal writing for the AWHF-funded World Heritage Nomination Support Programme in Africa for the period beginning June 2016 to May 2019.
6. Was a resource person in a World Heritage nominations training workshop organized by AWHF in Maun, Botswana for the Anglophone Africa in November, 2014.
7. Was a coordinator and resource person in the World Heritage Nominations training programme organized in Mbale and Entebbe, Uganda for the Anglophone Africa in 2012-2013. My responsibility included organizing logistics for all participants, course facilitation during the training workshop and report writing.

Achievements in World Heritage Nomination projects

Successful nomination and listing of the Lamu Old Town on the UNESCO World Heritage List in 2001

Successful nomination and listing of the Kenya lake System in the Great Rift Valley on the UNESCO World Heritage List in 2011

Successful extension of the Mt. Kenya World Heritage Site to include the Lewa Wildlife Conservancy in 2013

Successful nomination and listing of the Thimlich Ohinga Archaeological Site on the UNESCO World Heritage List in 2018

Mentorship and technical assistance in the successful nomination on the Barberton Makhonjwa Mountains, South Africa on the UNESCO World Heritage List in 2018

Mentorship and technical assistance in the successful nomination on the Sudanese style mosques in Northern Cote d'Ivoire on the UNESCO World Heritage List in 2018

Is currently working on the Historic Town and Archaeological Site of Gedi for possible inscription on the World Heritage List.

Professional Membership

Is a member of the International Council of Museums (ICOM)

Leadership

Currently coordinating the technical team working on the nomination file for the listing the Historic Town of Gedi on the World Heritage List.

Coordinator of the Immoveable Heritage Programme at the Centre for Heritage Development in Africa (CHDA) based in Mombasa, Kenya 2012-2015;

National Focal Point for the UNESCO World Heritage Convention of 1972;

Member of Culture Experts Committee at the Kenya National Commission for UNESCO;

Chair of the National Museums of Kenya World Heritage Technical Team.

Publications

Wanderi, H. (2019) Lamu Old Town: Balancing Economic Development with Heritage Conservation. Nature-Culture Linkages in Heritage Conservation in Asia and the Pacific Region, World Heritage Studies & Certificate Programme on Nature Conservation, University of Tsukuba, Japan

Subbo, W., Wanderi, H. & Obanda, D. (In press). The role of material culture in Anthropology: An inventory of material culture items at the Institute of Anthropology, Gender and African Studies – University of Nairobi, Kenya.

Wanderi, H. (2018) Infrastructural Development and Conservation of Heritage: A Case Study of Lamu Old Town World Heritage Site. In Moukala, E. and Odiaua, I. (Eds.) World Heritage for Sustainable Development in Africa pp. 241-247. UNESCO, Paris, France

Wanderi, H. (2014). An analysis of effectiveness of the World Heritage Nominations Training Programme for the Anglophone Region of Africa: World Heritage Capacity Building Newsletter 5, pp. 14-15 <https://www.iucn.org/sites/dev/>

Wanderi, H. (2011) The Kenya Lakes System: (Martin, O. and Gendre, S. (Eds) Proceedings of International Experts Meeting on UNESCO World Heritage: Serial Properties and Nominations pp. 60-61 Swiss Federal Office of Culture, Ittingen, Switzerland

Wanderi H. and Oloo, W. (2002) Slave trade: Routes and Ports in Kenya. NMK Horizons Volume 6 (1)

Referees

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Dr. Charles Nzavi Lange Curriculum Vitae (CV)

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Date of Birth: 31st December, 1971
Marital status: Married

BRIEF PROFILE

I (Dr. Charles N. Lange) am a top grade heritage/environment scientist/conservationist with relevant academic qualifications and vast experience in matters heritage/environment research and management for over 19 years. Academically I acquired first and second degree (**Bsc**_{1992 -1996} & **MPhil**_{1998 -2001} respectively) from Moi University, Kenya and later **PhD**_{2002 -2005} from the Faculty of Sciences, Copenhagen University, Denmark in relevant field. In addition to major degrees, I have undertaken several relevant short courses for keeping me updated on emerging heritage/environmental research and management issues. In experience and achievements, I have over **18 years** of relevant experience while working for the National Museums of Kenya (NMK) and National Environment Management Authority (NEMA), Kenya. I have successfully published over 30 peer reviewed scientific papers in various journals on heritage research work.

In Leadership and Linkages, I have extensive Institutional Leadership experience running for over 15 years, a period during which I served at various senior leadership positions at the National Museums of Kenya (NMK) and National Environment Management Authority (NEMA). I assumed leadership duties since 2004 following appointment as head of invertebrates' Research Department, NMK. For several years, I successfully coordinated the department (with PhDs, Mscs, Bscs and Diplomas and subordinate staff) making it a highly performing department at NMK in research projects development, publications, fund-raising and research innovations for addressing various heritage/environment management concerns. In 2006, owing to my great leadership capability, I was **appointed the first ever Chair of NMK Scientific and Ethics Committee** to provide technical advisory on strategies for advancing heritage research development at NMK. For the **6 years** I served as chair of NMK Scientific and Ethics Committee, I successfully **pioneered NMK scientific conference in 2006** and **NMK science expo in 2008** all related to advances for heritage/environment research and conservation. In June 2016, I joined NEMA as Deputy Director to coordinate environmental research and planning for supporting environmental compliance, enforcement and policy, an assignment I have undertaken successfully making major contributions in advancing environmental compliance and policy implementation.

Professional Development

- **Current Position**
- 2011 – June 2016
- 2008 -2011
- 2005 -2008
- 2001 -2005
- 1996 - 2001
- Deputy Director - Environmental Research and Planning Coordination, **NEMA**
- Principal Research Scientist (Environmental Sciences) & Head Planning Monitoring & Evaluation Department, National Museums of Kenya (**NMK**) – Reporting to Director General
- Senior Scientist I. **NMK**
- Senior Scientist II, **NMK**
- Research Scientist, **NMK**
- Research Assistant , **NMK**

Academic Qualifications

Major Degrees on Environment/Natural Resources

- PhD: Faculty of Science, University of Copenhagen, Denmark
- MPhil. Wildlife Management, Moi University, Eldoret, Kenya
- Bsc. Wildlife Management – Moi University, Eldoret, Kenya
- 2002- 2005
- 1998 - 2001
- 1992 -1996

Short courses on Environment/Natural Sciences

- **Strategic utilization of solid waste management data, JICA, Yokohama, Japan**
- **Climate Change mitigation and adaptation, Swedish Meteorological and Hydrological Institute**
- Water Quality Monitoring Course, **Gwanju Institute for Science and Technology, Gwanju, South Korea**
- Biodiversity informatics and data-basing by **Tulane University USA, Held at Multimedia University, Nairobi.**
- Barcoding of Life in Biodiversity Conservation, **Adelaide University, Australia**
- Strategic Environmental Assessment, **Danida/NEMA**
- GIS course, **University of Zambia**
- Oct., 2019
- 2016
- Nov. 2015
- Sep. 2015
- Nov, 2012
- 2011
- Jul. 2008

Short courses on Strategic Leadership/Management

- Strategic Leadership Development Course, Kenya School of Government
- Monitoring and Evaluation Course, AMREF International Training Centre, Nairobi, Kenya
- QMS/Lead ISO 9001: 2008 Internal Audit Course, Bureau Veritas
- ISO Internal Audit course, Millennium Management Consultant
- Quality Management Systems (ISO 9001: 2008 – Implementation
- Jun, 2013
- Jun. 2012
- March 2012
- Oct. 2008
- June 2007

Peer Reviewed Scientific Publications

1. **Lange, C. N.**, Seddon, M. and Tattersfield, P. 1998. *Gulella spinosa*: new to Kenya, *J. conchology*, 38.
2. **Lange, C. N.** 1999. Kenya's latest snail discovery. *Bulletin of East Africa Natural History Society*. 29: 3 – 4
3. **Lange, C. N.** & Meena, C. (2000). Terrestrial Molluscan Conservation in Tanzania. *Miombo*, No.20 Pp. 6
4. **Lange, C. N.**, Warui, C. & Kinuthia, W. (2000). Recent development in systematics and conservation of terrestrial molluscs in Kenya. *Proceeding of a Darwin workshop*, May, 2000, Thika, Kenya.
5. Kinuthia, W., Warui, C. & **Lange, C. N.**, (2000). Insect conservation strategies and priorities in East Africa. *Proceedings of a Darwin workshop*, May 2000, Thika, Kenya.
6. **Lange, C. N.** & Maes, K. (2001). The land-snails of Kakamega forest in Kenya. *African Journal of Ecology*. 39, 219 – 222.
7. Tattersfield, P., Seddon, M. & **Lange, C. N.** (2001). Landsnails in Indigenous rainforest and commercial forestry plantations in Kakamega forest, Western Kenya. *Journal of Biodiversity and Conservation*. 10, 1809 – 1829.
8. **Lange, C. N.** & Mwinzi, M., (2003). Snail diversity, abundance and distribution in Arabuko Sokoke forest, Kenya. *African Journal of Ecology* 41 (1), 61-67.
9. **Lange C. N.** (2003). Environmental factors influencing land-snail diversity patterns in Arabuko Sokoke forest, Kenya. *African Journal of Ecology*, 41, 352 – 355.
10. Seddon, B. M., Tattersfield, P., Herbert, G. D., Rowson, B., **Lange C. N.**, Ngereza, C., Warui, M. C & Allen, A. J. (2005). Diversity of African forest mollusk fauna: What we have learned since Solem (1984). *Records of the western Australian Museum supplement* No. 68: 103 – 113.
11. **Lange, C. N.** & Mugambi, J. (2006). The butterflies of Mkogodo forests, Kenya. *African Journal of Ecology*. 44, 1 – 4.
12. **Lange, C. N.** (2006). The endemic land snail *Gulella taitensis* of the Taita Hills forests, Kenya: on the brink of extinction. *Oryx*, 40 (3), 1 – 3.
13. **Lange, C. N.**, Kuria, A. & Ndang'ang'a, K. P. (2007). The butterflies and land-snails of Ndere Island National Park, Kenya. *Journal of East African Natural History*, 96 (1): 103 – 106.
14. Rowson, B. & **Lange, C. N.** (2007). Two new species of Streptaxidae (Mollusca, Pulmonata) from the Taita Hills, Kenya. *African Invertebrates Journal*. 48 (2): 21 – 32.
15. Ndang'ang'a, K. P., **Lange, C. N.** Madindou, I.. & Kuria, G. A. (2008). Birds of Ndere Island National park, Lake Victoria, Kenya: A preliminary survey. *Scopus* 27; 32- 40.
16. Standley, C.J., Lwambo, N.J.S., **Lange, C. N.**, Kariuki, H. C., Adriko, M. & Stothard, J. R. (2010). Performance of circulating cathodic antigen (CCA) urine-dipsticks for rapid detection of intestinal schistosomiasis in schoolchildren from shoreline communities of Lake Victoria. *Parasites & Vectors*. 3: (7). 1.- 5.

17. Standley, C.J., Kabatereine, B. N., **Lange, C. N.**, Lwambo, N.J.S & Stothard, J. R (2010). Molecular epidemiology and phylogeography of *Schistosoma mansoni* around Lake Victoria. *Parasitology*. doi: 10.1017/S0031182010000788: 1-13.
18. 16. Gouvras, N. A., Kariuki, C., Koukounari, A., Norton, L. A., **Lange, N. C.**, Ireri, E., Alan Fenwick, A., Mkoji, M. G. & Webster, P. J. (2013). The impact of single versus mixed *Schistosoma haematobium* and *S. mansoni* infections on morbidity profiles amongst school-children in Taveta, Kenya. *Acta Tropica*, **128 (2)**: 309-317.
19. Gower, M. C., Gouvras, N. A., Lamberton, Deol, A., Shrivastava, J., Mutombo, N. P., Mbuh, V. J., Norton, J. A., Webster, L. B., Stothard, R. J., Garba, A., Lamine, S. M., Kariuki, C., **Lange, C. N.**, Mkoji, M. G., Kabatereine, B. N., Gabrielli, F. A., Rudge, W. J., Fenwick, A., Sacko, M. (2013). Population genetic structure of *Schistosoma mansoni* and *Schistosoma haematobium* from across six sub-Saharan African countries: Implications for epidemiology, evolution and control. *Acta Tropica*, **128 (2)**: 261-274.
20. Webster, L. B., Webster, P. J., Gouvras, N. A., Garba, A., Lamine, S. M., Diaw, T. O., Seye, M. M., Tchuem Tchuenté, A. L., Simoonga, C., Mubila, L., Mwangi, R. J., Lwambo, S. J. N., . Kabatereine, B. N., **Lange, C. N.**, Kariuki, C., Mkoji, M. G., Rollinson, D., Stothard, R. J. (2013) DNA 'barcoding' of *Schistosoma mansoni* across sub-Saharan Africa supports substantial within locality diversity and geographical separation of genotypes. *Acta Tropica*, **128 (2)**: 250-260.
21. Silvester Nyakaana, S., Stothard, R. J., Nalugwa, A., Webster, L. B., **Lange, C. N.**, Jørgensen, A., Rollinson, D., Kristensen, K. T., (2013). *Bulinus globosus* (Planorbidae; Gastropoda) populations in the Lake Victoria basin and coastal Kenya show extreme nuclear genetic differentiation. *Acta Tropica*, **128 (2)**: 226-233.
22. Standley, J. C., Vounatsou, P., Gosoni, L., Jørgensen, A., Adriko, M., Lwambo, S. J. N., **Lange, N. C.**, Kabatereine, B. N., Stothard, R. J. (2013). The distribution of *Biomphalaria* (Gastropoda: Planorbidae) in Lake Victoria with ecological and spatial predictions using Bayesian modelling. *Hydrobiologia* , **683 (1)**, DOI:10.1007/s10750-011-0962-3.
23. **Lange, C. N.**, Madsen, H., Kristensen, T. K. (2013). Gastropod diversity, distribution and abundance in habitats with and without anthropogenic disturbances in Lake Victoria, Kenya. *African Journal of aquatic sciences* **38(3)**: 295–304.
24. Warui, C. M., J. M. Muriuki, H. Oyieke, S. Ingrisich, **C. N. Lange**, M. Muchai & K. -H. Lampet. (2014). African Spiders (Araneae) Type specimens in the collection of the National Museums of Kenya. *Bonn Zoological Bulletin Supplementum*, **30**, 20 .
25. Mutua, M., W. Kinuthia, J. M. Muriuki, S. Ingrisich, **C. N. Lange**, M. Muchai, H. Oyieke, K. -H. Lampet, (2014). Type specimens of the insect order coleoptera at the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 21 -47.
26. Karanja, D., J. M. Muriuki, S. Ingrisich, **C. N. Lange**, M. Muchai, H. Oyieke, K. -H. Lampet, (2014). Type specimens of the insect order Diptera at the

- collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 48 -56.
27. Mwakodi, R., J. M. Muriuki , S. Ingrisch, **C. N. Lange**, M. Muchai, H. Oyieke, K. –H. Lampet, (2014). Type specimens of the insect order Hemiptera in the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 57 -63
 28. Gikungu, M., R. Mwakodi, . J. M. Muriuki, S. Ingrisch, **C. N. Lange**, M. Muchai, H. Oyieke, K. –H. Lampet, (2014). Type specimens of the insect order Hymenoptera in the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 64 -67.
 29. Bagine, R., D. Karanja, J. M. Muriuki, S. Ingrisch, **C. N. Lange**, M. Muchai, H. Oyieke, K. –H. Lampet, (2014). Type specimens of the insect order Isoptera in the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 68 -69.
 30. Kioko, E. N., J. Mugambi, J. M. Muriuki, S. Ingrisch, **C. N. Lange**, M. Muchai, H. Oyieke, K. –H. Lampet, (2014). Type specimens of the insect order Lepidoptera in the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 70 - 88.
 31. Odanga, I. J., **C. N. Lange**, J. M. Muriuki, M. Muchai, H. Oyieke, K. –H. Lampet, (2014). Type specimens of the insect order Odonata in the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 89 – 92.
 32. Mungai, M., **C. N. Lange**, J. M. Muriuki., S. Ingrisch M. Muchai, H. Oyieke, K. –H. Lampet, (2014). Type specimens of the insect orders Orthoptera, Blattodea, Dermaptera in the collection of the National Museums of Kenya. . *Bonn Zoological Bulletin Supplementum*, **30**, 93 – 97.
 33. Toru Katoh, Shinsaku Koji, Takahide A. Ishida, Kei W. Matsubayashi, Sih Kahono, Norio Kobayashi, Kota Furukawa, Bui Tuan Viet, João Vasconcellos-Neto, **Charles N. Lange**, Georg Goergen, Susumu Nakano, Nan-Nan Li, Guo-Yue Yu and Haruo atakura (2014). Phylogeny of *Epilachna*, *Henosepilachna*, and Some Minor Genera of Phytophagous Ladybird Beetles Coleoptera: Coccinellidae: Coccinellinae: Epilachnini), with an Analysis of Ancestral Biogeography and Host-Plant Utilization. *Zoological Science*, **31(12)**:820-830.
 34. Gereau, E. R., Cumberlidge, N., Hemp, C., Hochkirch, A., Jones, T., Kariuki, M., **Lange, N. C.**, Loader, P. S., Malonza, K. P., Menegon, M., Ndang'ang'a, K. P., Rovero, F. and Shirk, P. (2016). Globally Threatened Biodiversity of the Eastern arc Mountains and Coastal Forests of Kenya and Tanzania. *Journal of East African Natural History* **105**(1)
 35. **Lange, N. C.**, Inganga, F., Busienei, W., Nguru, P. Kiema, J. & Wahungu, G. (2018). The prevalence of plastic bags waste in the rumen of slaughtered livestock at three abattoirs in Nairobi Metropolis, Kenya and implications on livestock health. *Livestock Research for Rural Development*. 30 (11) 2018.
 36. **Lange C N**, Inganga F, Busienei W, Nguru P, Kiema, J. and Ngeywo, S. (2020) The effect of plastic bags ban on the prevalence of plastic bags waste in the rumen of slaughtered livestock at three abattoirs in Nairobi Metropolis, Kenya and the implications on livestock industry. *Livestock Research for Rural Development*. 32 (27).

Resource Mobilization from Donors on the relevant area

Project Title		Project period and employer	Funding Agency
1.	East Africa land snail biodiversity	1997 – 2000 (NMK)	Darwin Initiative, UK
2.	Arabuko Sokoke forest Land-snails Biodiversity	1999 – 2000 (NMK)	Wildlife Conservation Society, USA
3.	Ecology and population size of 3 critically endangered and endemic land-snails in Taita Hills	2000 -2001 (NMK)	Flora and Fauna International, UK
4.			
5.	The impact of Anthropogenic disturbances on Biodiversity of Lake Victoria freshwater gastropods	2002 – 2005 (NMK)	DBL-Danida, Denmark
6.	Biodiversity of, Dry-land relic forest in Kitui, Eastern province of Kenya	2004 -2006 (NMK)	RPSUD-SIDA Program
7.	Terrestrial Biodiversity at Ndere Island National Park, L.Victoria: 2005 -2006	2004 -2005 (NMK)	Rufford, UK
8.	Diversity patterns of freshwater gastropods of L. Jipe, Kenya: 2005 -2007	2005 -2007 (NMK)	Internal Foundation for Science, Sweden
9.	Development of Baseline on Biodiversity of Mt. Elgon Ecosystem	2005 (NMK)	IUCN, EARO
10.	The impact of horticultural farming on freshwater gastropods of river Kiboko & Kiumbi, eastern Kenya	2005 -2006 (NMK)	British Ecological society. UK
11.	Mapping freshwater gastropods distributions at Lake Victoria basin wetlands.	2005 -2007 (NMK)	National Geographic society, USA
12.	Updating of Mt. Elgon Ecosystems Biodiversity database	2007 (NMK)	IUCN, EARO
13.	Multidiplinary alliance to optimize schistosomiasis surveillance in sub-saharan Africa –Partnership in 7 African countires & 4 European countries	2006 -2010 (NMK)	European Union (EU)
14.	Assessment of a rare freshwater snail species at Kiboko river	2008 (NMK)	Percy Sladen Memorial Fund, UK
15.	Kaya forests Biodiversity Project	2009 -2011 (NMK)	National Council for Science and Technology (NCST), Kenya
16.	Biodiversity assessment at British Army Training Unit camps at Nanyuki and Isiolo.	2010 (NMK)	British Army Training Unit in Kenya
17.	Mapping of Freshwater snails of L. Jipe basin wetlands	2010 -2012 (NMK)	International Foundation for Science (IFS),

			Sweden
			Norhred, Norway
19.	Assessment of a critically endangered freshwater snail species at L. Jilore, Kenya	2014 (NMK)	Mohamed bin Zayed Species Conservation Fund
20.	Development of Monuments and Historical sites Digital Library	2014 (NMK)	GoK
21.	Mobilizing freshwater information at the collection at the National Museums of Kenya	2016 -2017	EU grants via the Global Biodiversity Information Facility
22.	Mapping of Wetlands at Upper Tana, Kenya	2016 - 2020	Global Environment Facility via The nature Conservancy (TNC) as implementing entity
11.	Geo-mapping riparian zones in the designated special economic zones in Kenya	2017	National Research Fund, Kenya
12.	Regional Africa Environmental Health and pollution management project	2020 and ongoing	Global Environment Facility (GEF) 6 th Framework with World Bank as the GEF Agency
13.	Strengthening drylands forest management for sustainable food systems and biodiversity conservation in the of Southern rangelands ecosystem of Kenya	2021 and ongoing	Global Environment Facility (GEF) 7 th Framework – IUCN/FAO as GEF Agency

Seminars/workshops organized

At the National Museums of Kenya

1. Organized first National Museums of Kenya Annual Scientific Conference, 15th – 17th November, 2006 at Nairobi
2. Organized the Directorate of Research and Collections Open Day at National Museums of Kenya, 20th – 21st November 2008 at NMK Headquarters Grounds.
3. Organized 2nd National Museums of Kenya Scientific Conference and Science Expo, 23rd – 28th November, 2009 at Nairobi, NMK Headquarters.
4. Organized 3rd National Museums of Kenya Scientific Expo, 22nd – 23rd October, 2010, NMK Headquarters.
5. Coordinated a National Steering Committee comprised of various public and private organizations in the organization of the commemoration of World Day Desertification and Drought day at Marsabit County on 17th June 2017 graced by the Cabinet Secretary, Ministry of Environment and Natural Resources.
6. Coordinated a National Steering Committee comprised of various public and private organizations in the organization of the commemoration of World Day Desertification and Drought day at Oldonyo Nyokie area of Kajiado County on 17th June 2018 graced by the Cabinet Secretary, Ministry of Environment and Forestry.
7. Coordinated a National Steering Committee comprised of various public and private organizations in the organization of the commemoration of World Day Desertification and Drought Day at Makindu Sports Grounds of Makueni County on 17th June 2019 graced by Cabinet Secretary, Ministry of Environment and Forestry.
8. Coordinated a National Steering Committee comprised of various public and private organizations in the organization of the commemoration of World Day Coordinated organization of a seminar of Tana River County Environment Committee on the development of Lamu County Environment Action Plan on 2nd October, 2020 at Malindi Desertification and Drought day at City park, Nairobi County on 17th June 2020 graced by Cabinet Secretary, Ministry of Environment and Forestry.
9. Coordinated a National Steering Committee comprised of various public and private organizations in the organization of the commemoration of World Day Desertification and Drought day at Chalbi Desert, Marsabit County on 17th June 2021 graced by Cabinet Secretary, Ministry of Environment and Forestry.
10. Coordinated a National Steering Committee comprised of various public and private organizations in the organization of the commemoration of World Day Desertification and Drought day at Eldume area of Baringo County on 17th June 2022 graced by Cabinet Secretary, Ministry of Environment and Forestry.
11. Coordinated organization of a seminar of Tana River County Environment Committee on the development of Tana River County Environment Action Plan on 2nd October, 2020 at Malindi.
12. Coordinated organization of a seminar of Lamu County Environment Committee on the development of Lamu County Environment Action Plan on in early March, 2020 at Malindi.
13. Coordinated organization of a seminar of Lamu County Assembly on the development of Lamu County Environment Action Plan on in early March, 2020 at Malindi

Contributions in Heritage Exhibitions

1. Chaired committee on the development of diversity gallery at the Nairobi National Museum during the European Union Funded NMK Revitalization Project.
2. Pioneered NMK Science Expo in 2008
3. Coordinated NMK science Expo in 2009
4. Coordinated NMK science expo in 2011

Collections Development

1. Over 5,000 invertebrates collections acquired
2. Coordinated databasing of 35,000 taxa at invertebrates sections
3. Described two land snail species new to science;
 - i. Gulella ndiwenyiensis*
 - ii. Gulella nictitans*

International Scientific Conferences presented since 2011

1. November, 2011: Participated and presented a paper in the 4th Bar-coding of Life Conference at Adelaide, Australia.
2. April 2012: Participated and presented a paper in a Freshwater Science workshop at Malawi
3. August, 2014: Participated and presented a paper at a insects biodiversity workshop at Kigali, Rwanda
4. September, 2015: Participated and presented a paper at the Biodiversity Information Standards TDWG 2015 Annual Conference, Windsor Hotel, Nairobi.
5. Feb. 2017: Participated in the Lake Victoria Basin Commission Scientific Conference, Mwanza Kenya.
6. Participated in 13th Conference of Parties (Cop 13) at Ordos, China
7. February, 2019, Participated in the Negotiation of the summary for policy makers on the sixth Global Environment Outlook (GEO) at Un Environment Headquarters, Nairobi, Kenya
8. March, 2019 Participated at the United Nations Environment Assembly (UNEA 4) at Un Environment Headquarters, Nairobi, Kenya
9. Jan. 2019 Participated at the seventeenth session to the committee for the review of the implementation of United Nations Convention to Combat Desertification (cric 17) at Georgetown, Guyana, 25th – 30th January, 2019.
10. Participated at the 14th Conference of Parties to the United Nations Convention to Combat Desertification, New Delhi, India 2nd – 13th September, 2019
11. . Participated in a FAO meeting at Rome for developing a global project on Dryland Sustainable Forestry. 26 -27 January, 2020, Rome, Italy
12. Participated and presented a paper during a national wetlands virtual conference in 12th – 14th May, 2021, Coordinated from Eldoret, Kenya
13. Participated and presented a paper at National Research Conference on Sustainable Use of Land and Natural Resources to Enhance Food Security in Kenya held on 24th – 25th November, 2021 at Nairobi, Kenya.
14. Participated at the fifteenth session of the Conference of Parties to the United Nations Convention to Combat Desertification at Cote D'Ivoire, May 2022
15. Participated at BRS Conventions at Geneva, Switzerland 6th – 19th June, 2022
16. Participated in an Inter-Governmental Working Group on Drought under the United Nations Convention to Combat Desertification (UNCCD), Bonn Germany, 29th – 30th November, 2022.

Environment management Policy documents involvement in development at NEMA

1. Revision of State of Environment report (SoE 2012)
2. Development of the State of Environment report 2014
3. Development of State of Environment Report 2016 - 2018
4. Development of Environment Action Preparation Guidelines for Kenya
5. Development of the National Environment Action Plan 2018 -2024
6. Development of the Kenya Environmental Performance Index, 2018
7. Development of State of Environment Report 2019 - 2021

Strengthening Heritage Research Capacity

NMK Staff co-supervised (MScs)

1. Ms. Ann Mwaura – Msc Kenyatta University – Successfully completed in 2010 – CBD Dept, NMK
2. Mr. James Odanga – Msc. student, Kenyatta University – completed in 2011, Zoology Dept, NMK Sect
3. Mr. John Kochev – Msc., Kenyatta University- completed in 2013

Others co-supervisions

1. Mr. Kasper Gade – Msc. Student Copenhagen University – completed in 2011.
2. Ms. Mercy Ndalila – Msc University of Nairobi – successfully completed in 2009.
3. Co-supervising Mr. Busienei of NEMA on his PhD. At Moi University

United Nations Assignments

- Represented Kenya in a Global Steering Committee to UNEP on development of Options for Future Global Environment Outlook 2020 – 2021.
- Currently (From September, 2022) nominated to represent Kenya as an expert to Open Ended Meetings to the development of Seventh Global Environment Outlook Report convened under UNEP.
- Currently part of three nominees from Africa participating in Inter-sessional Working Group on Drought Convened by United Nations Convention to Combat Desertification Secretariat.

Professional Bodies Membership

1. Nature Kenya

Leadership Experience

Leadership Positions Served

- Deputy Director, NEMA** – Environmental Planning and Research - June 2016 – todate
Reporting to DG - Coordinating environmental planning and research for NEMA
- Head, Planning Monitoring & Evaluation Department,** 2011–June 2016
 NMK - *Reporting to the Director General (CEO) for strategic advisory on NMK Performance and Quality management.*
- Coordinator NMK Performance Contracting** 2011- June 2016
 Management:-*Covering coordination of the Performance contract Negotiation with the Parent Ministry and fast-tracking accomplishment of the performance contract targets.*
- Coordinator NMK Budgeting Process:-** *Covering liaison with the Parent Ministry on budget negotiations and fast tracking the process with The National Treasury and Parliamentary Committee on Budgets for NMK Budgetary allocation.* 2011 – June 2016
- ISO 9001:2008 Management Representative (MR):-** 2011 – June 2016
Involving fast-tracking NMK compliance with Quality Management Systems
- First Chair, National Museums of Kenya Scientific & Ethics Committee:-** *Spearheading strategic advisory group (Think-tank of professionals – PhDs) for developing strategies for advancing NMK Core Functions and policies development.* 2006 - 2011
- Head Invertebrates Research Department:-** *Spearheading a technical team of PhDs, Mscs, Bscs, Diplomas and Support Staff in natural science research promotion through fundraising, projects implementation and information dissemination.* 2004 -2011

Referees and contacts

1. Prof. Charles Musyoki Principal, Kenya Utalii College P.O Box 31052-00600, Nairobi Kenya Cellphone: +254 722826911 Email: cmmusyoki@gmail.com	1. Dr. Paul Matiku Executive Director Nature Kenya P. O. Box 44486 - 00100 Nairobi, Kenya Tel. 3749957 Cellphone: 0714741849 Email: matiku@naturekenya.org
2. Mr. Solomon Kyalo Deputy Director Kenya Wildlife Services P.O. Box 40241 - 00100, Nairobi Kenya Tel: +254 (20) 2379407 Cellphone: 0722722214 Email: ambkyalo.solomon@gmail.com	

CURRICULUM VITAE

James G. Njogu, PhD, HSC



Areas of Specialization: Environment, Biodiversity and Natural Resource Management

Current Position: Deputy Secretary General – Kenya National Commission for UNESCO

Summary

I have over twenty year's professional work experience in the field of environmental, biodiversity and natural resource management (Wildlife Management), with a BSc (Wildlife Management - Moi University 1992), MPhil (Environmental Studies Biological Science - Research on Elephants, Moi University) and PhD degree (Environmental Studies, Social and Behavioural Sciences – University of Amsterdam). In the academia, I have authored several papers and examined PhD thesis for the University of Amsterdam. Work experience includes in government and non-governmental organization under different capacities. The specific work experience includes negotiations under various multilateral environmental agreements (MEAs), research, policy analysis, proposal development and reviews, resource mobilization, project management among other including administrative work. In addition to my experience, I have trained and acquired skills and competencies in diverse spheres enabling me rise from entry level, through middle-level to top-level management and leadership.

Currently I am an employee of Kenya National Commission for UNESCO (KNATCOM) since August 2019. Previously I worked with Kenya Wildlife Service since 2005 as the Head of Conventions and Research Authorization and later in 2018/2019 as the Principal Kenya Wildlife Training Institute where I served for one year. As the Head of Conventions and Research Authorization, I specifically coordinate all Multilateral Environment Agreements (MEAs) that Kenya has ratified and that relate to wildlife conservation and protected areas in Kenya. These include Ramsar Convention - formally the Convention on Wetlands of International Importance, especially as Waterfowl Habitat, Convention on Migratory Species (CMS) and the African-Eurasian Migratory Waterbird Agreement (AEWA), International Whaling Commission (IWC) and World Heritage Convention (WHC) – Natural Sites. Other conventions that I was involved include Convention on Biological Diversity (CBD), United Nation Conventions on Climate Change (UNFCCC) and on Desertification (UNCCD). In addition to convention, I coordinate matters relating to the International Union for Conservation of Nature (IUCN) Kenya Membership and the United Nations Educational, Scientific and Cultural Organization (UNESCO) matters and United Nation Environment Assembly (UNEA). Key result areas include developing and negotiating decisions/resolutions, implementation, and reporting.

The following summarises key areas of responsibility including chairing of committees:

1. UNESCO:
 - Member of the Executive Committee (2015 – 2019) (<https://unesdoc.unesco.org/ark:/48223/pf0000380813>) representing Kenya
 - Chair of Group V(a), Committee (NGP - <https://unesdoc.unesco.org/ark:/48223/pf0000371183>) on Non-Governmental Partners
 - Vice Chair of Kenya Man and Biosphere (MAB) National Committee – Key result area include extension of Malindi-Watamu Biosphere Reserve to include Arabuko Sokoke Forest.

November 2022

- Member of Kenya UNESCO Natural Science Expert Committee and Cultural Expert Committee. As the team leaders, am proud to have delivered the designation of the Kenya Lake System in Great Rift Valley as World Heritage Site (<https://unesdoc.unesco.org/search/5fcadfa5-cfff-4a54-99b2-3fd8923f89f0> - Splendour of Kenya Rift Valley lakes earns global recognition), Extension of Mt. Kenya World Heritage Site among others key achievements
2. IUCN:
- Vice Chair for Eastern and Southern Africa (ESARO) Regional Committee. Was the Chair 2013 -2016 when we elected new chair at the last IUCN Congress Hawaii, 2016
<https://www.iucn.org/news/eastern-and-southern-africa/201611/profiles-iucn-esaro-regional-committee-elected-4th-september-2016>
 - Chair IUCN Kenya national Committee – It is during my tenure that the Kenya National Committee was register (<https://www.iucn.org/news/eastern-and-southern-africa/201611/profiles-iucn-esaro-regional-committee-elected-4th-september-2016>)
3. Ramsar Convention
- Focal Point for the Ramsar Convention
 - Member of the Standing Committee (2015 – 2018) and previously 2006-2008
4. Convention on Migratory Species
- Focal Point for the CMS (2005-2018)
 - CMS family Agreement focal point
 - o Focal Point Agreement on the Conservation of African-Eurasian Migratory Waterbirds (AEWA) – 2005 to 2018 <http://www.unep-aewa.org/en/news/people-behind-aewa-dr-james-njogu>
5. Convention on International trade in Endangered Species (CITES)
- Coordinate Convention on International Trade in Endangered Species of Wild Fauna and Flora – 2005 to 2018
6. World Heritage Convention (1972 UNESCO Convention)
- Championed three of Great Rift Valley's lakes designation in the list of the coveted World Natural Heritage List (2011) - <https://www.standardmedia.co.ke/business/article/2000038321/at-last-kenyan-lakes-get-global-protection>
 - Championed extension of Mt. Kenya |World Heritage Site to include Ngare Ndare Forest and LEWA Wildlife Conservancy

Through my professional work, training and part of my personal traits, I have demonstrated excellent communication skills, leadership and management, interpersonal and teamwork in a cross-cultural setting, networking and advocacy, negotiation, among others including but not limited to being analytical. I have undertaken successful research project, strategic planning among others including project management. In undertaking my assignment, I have effectively used several relevant computer packages.

Membership to Professional Body

1. African Association for Public Administration and Management (AAPAM)
 - a. Training: to Capacity Development Conference on Leadership, Public Service for National development: A Continental Approach scheduled for 15th - 19th November 2021 at the Kenya School of Government, Mombasa Campus

Philanthropic and community work

- Chairman Board of Management of Longonot Secondary School
- Patron Living Water Centre, Kibera Slum – Have been fundraising for this centre for over ten years though with a small annual budget of USD 20,000
- Chairman Olloolaiser neighbourhood (Residential area where I live)
- Member of Development Committee, Mary Mother of God, Ebulbul Catholic church

Particulars

1. Family name: Njogu
2. First names: James Gichiah
3. Date and place of birth: 12th December 1968, Nakuru District, Kenya
4. Nationality: Kenyan
5. Contact details: P. O. Box 697 – 00208 Ngong Hills
Tel: +254 (0721) 216597(Mobile)
Office e-mail: jgichiah@unesco.go.ke
Personal: jgichiah@gmail.com
6. Civil status: Married

-
7. Education Background: PhD in Natural Resource Management

(A) Academic Training

(i) Doctorate (PhD)

Institution:	Amsterdam Research Institute for Global Issues and Development Studies (AGIDS), Faculty of Social and Behavioural Sciences, Department of Social Geography, University of Amsterdam.
Date:	March 1999 - October 2003
Degree obtained:	Doctorate degree (PhD) in Social and Behavioural Sciences, in the discipline of natural resource management, environmental sciences (2003). Publication Citation: Njogu, J. G. (2004). Community-based conservation in an entitlement perspective: wildlife and forest biodiversity conservation in Taita, Kenya. Leiden: African Studies Centre. ISBN 9054480572 (Downloaded from: https://hdl.handle.net/1887/12921)

(ii) Masters (MPhil)

Institution:	School of Environmental Studies, Moi University, Eldoret, Kenya.
	September 1993 - December 1995 completed and graduated 1997. As an outstanding student, the School of Environmental Studies of Moi University (MU-SES) nominated me in 1996 as a recipient of a Jan Tinbergen Scholarship, tenable in the Netherlands for six months where I studied resource dynamics at the Research School for Resource Studies for Development (CERES) of University of Amsterdam. I used the same period to develop a PhD proposal which was successful and funded by WOTRO, a multi-disciplinary funding organisation residing under the Netherlands Organisation for Scientific Research (NWO).
Degree obtained:	Master of Philosophy, Environmental Studies, Biological Sciences (1997) Unpublished Thesis: Elephant population and environmental degradation in Tsavo East National Park. M.Phil. Thesis, School of Environmental Studies, Moi University, Kenya, (1997).

(iii) Bachelor of Science (BSc)

Institution:	Faculty of Forestry and Wildlife Management, Moi University, Eldoret, Kenya.
Date:	October 1989 - December 1992
Degree or obtained:	Bachelor of Science (Hon. Upper Second), Wildlife Management

(B) Professional, Leadership and Management Short Training of Over Two (2) Weeks**(i) Strategic Leadership Development Program (LK/SLDP/294/2022) – Executive Leadership Programme**

Institution:	Kenya School of Government
Date:	21 st February – 22 nd April 2022 and experiential Week 21 st to 25 th November 2022 (Six Week Course)
Training:	Certificate in Strategic Leadership

(ii) Secretaries General Training

Institution:	Azerbaijan Diplomatic Academy (ADA) University
Date:	September 24 to October 8, 2022 in Baku, Azerbaijan
Training:	Certificate in Management of National Commission for UNESCO

(iii) Environmental Impact Assessment (EIA) and Audits,

Institution:	School of Environmental Studies, Moi University
Date:	19 th June 8 th to July 1994
Training:	Certificate in Environmental Impact/Audit Assessment

Other Professional Short Trainings (less than two weeks)***(iv) Leadership, Public Service for National Development***

Institution:	African Association for Public Administration and Management (AAPAM) & Kenya School of Government
Date:	15 th - 19 th November 2021 at the Kenya School of Government, Mombasa Campus
Training:	Capacity Development Conference on Leadership, Public Service for National development: A Continental Approach

(v) Finance Training for Non-Financial Managers

Institution:	Kenya Wildlife Service
Date:	9 th - 11 th February 2010
Training:	Certificate

(vi) ISO 9001, Training Course and Assessment on Documentations and Procedure Writing

Institution:	Kenya Wildlife Service and Bureau Veritas
Date:	11 th - 13 March 2008
Training:	Certificate

(vii) Management Development

Institution:	Kenya Wildlife Service and Spadier Consultancy Ltd
Date:	25/09/06 to 30/09/06
Training:	Certificate

(viii) Performance Contracting

Institution:	Department of Personnel Management (DPM)
Date:	23/03/05 to 25/03/05
Training:	Certificate

(ix) Project Proposal Writing Skills & Fundraising

Institution:	Regional Partnership for Resource Development - Institute of Fundraising and Direct Marketing
Date:	27 th February 2002 to 1 st March 2002
Training:	Certificate

(x) Conservation in Education; Environmental Issues and Communication Skills, Certificate

Institution:	ELSAMERE Field Study Centre, Naivasha, Kenya
Date:	18 th November 1991 to 25 th November 1991
Training:	Certificate in Conservation Education

School Attended

School	Period	Examination
Advanced Level		
Njoro Boys High School	1986-1988	KACE
Ordinary Level		
Naivasha Mixed Secondary School	1984-1985	KCE
Magumu High School	1982-1984	
Primary Education		
Longonot Primary School	1981	CPE

8. Language ability: (Marked 1 to 5 for competence / 5-excellent, 1-basic)

Language	Reading	Speaking	Writing
English	5	5	5
Swahili	5	5	5

9. Some skills, knowledge, abilities, and traits

- Excellent communication
 - Mobilization
 - Teamwork and interpersonal
 - Networking, advocacy, and lobbying
 - Negotiation and debate
 - Planning and organizing
 - Socio-economic research
 - Capacity-building trainings
 - Project management (all component of project management cycle)
 - Resource mobilization
 - Computer literate
- I have much admiration of Gemba Kaizen, a Japanese concept of continuous improvement designed for enhancing processes and reducing waste which I apply in my management and leadership

10. Professional experience and competencies

Over twenty-year experience in diverse working environment

- Head of Conventions; Head of Conventions, Biotechnology & Information; and Head of convention and Research Authorization Kenya Wildlife Service (2005 - 2018)
- Natural Resource Manager, Ewaso Ngiro South Development Authority (July 2004 – November 2005)
- Research Fellow, University of Amsterdam (March 1999 - March 2003). Four years (24 months in Netherlands and 24 months in Kenya)
- Parttime lecture Tangaza College of the Catholic University of Eastern Africa (CUEA). Taught between 1997-1999
- Research Fellow Biodiversity Programme, African Centre for Technology Studies - one year
- Project Manger and Project Advisor, Living Water Centre (Philanthropic work for 19 years – 1998 - 2017).
- Involvement in several consultancy works and university lecturing

11. Experience in projects financed by international organisations: (country, project, years)

Country	Project	Year
UNFAO	Impacts of the Policies and Laws of Kenya in Different Sectors on Traditional Agricultural Livelihood Systems in Kenya, Globally Important Agricultural Heritage Systems (GIAHS)	2012
WWF	Emerging Insights for Sustainable River Basin Management Integrated Water Resource Management for The Mara River Basin Management Initiative Project, 2003-2012 Prepared for World Wide Fund For Nature (WWF) Eastern And Southern Africa Regional Programme Office (ESARPO), June 2012	2011
ICRAF	Assessment of the wildlife/biodiversity status in five defined ecological zones (Greater Mau Forest Complex including Western Highlands Water towers; Coastal Forest and Marine Conservation Areas; Greater Ewaso-Samburu Ecosystem; Mount Kenya/ Aberdare National Park Landscape; and Amboseli and Tsavo Landscape)	2010
European Union	UNEP-DEPI: Mid-Term Evaluation of Community Based Integrated Forest Resource Conservation and Management Project (COMIFORM - 1)	June 2010
European Union	UNEP-DEPI: Assessment of the Community Based Integrated Forest Resource Conservation and Management Project (COMIFORM - 1)	June 2010
European Union	UNEP-DEPI: Development of project document for Community Based Integrated Forest Resource Conservation and Management Project, phase II (COMIFORM II)	November 2010
UNEP	Community Based Integrated Forest Resource Conservation and Management Project (COMIFORM-1) Mid-term and end-term project progress assessment.	2009 (Team Leader)
UNEP	Development of Project Document for Community Based Integrated Forest Resource Conservation and Management Project phase two (COMIFORM-2)	2009 (Team Leader)
European Union	Siana Group Ranch Land Use Plan. CDTF-BCP funded Project	2006
European Union	CDTF-BCP (Community Development Trust Funds – Biodiversity Conservation Programme) Workshops facilitation (four workshop – three regional and one national) for BCP Funds Delivery Mechanism evaluation and development of Best Practice Toolkit	2005 – 2006 (Team leader)
Ireland, Austria & United States	Living Water Centre, Kibera slums girls' vocational training project.	1998 – 2004 (Fundraising and reporting)

Country	Project	Year
Netherlands/Kenya (UNU-INTECH)	COLBIOTECH: North- south partnerships in agricultural biotechnology in Kenya (2003).	June 2003 – February 2004 (Field Researcher)
Netherlands	Beyond community-based conservation: policy and institutional arrangement for partnerships in forest biodiversity conservation. Research paper presented at the <i>International Congress on 'Globalization, localization and tropical forest management in the 21st century'</i> , October 2003, Amsterdam, Netherlands	2003
Netherlands / Kenya (University of Amsterdam)	Resources, Environment and Development Research Associates (REDRA) and Research School for Resource Studies for Development (CERES) Working Programme 1, Natural resource management: Knowledge transfer, social insecurity, and cultural coping. Funded by Netherlands Foundation for the Advancement of Tropical Research (WOTRO) and Amsterdam Research Institute for Global Issues and Development Studies (AGIDS).	1999-2003
Sweden (SIDA)	Community forest resource utilization: the case of Mau forest. SIDA, Regional Land Management Unit.	April 2001
Netherlands (Free University)	Project 163/Narok: Poverty and environment degradation nexus, Narok district.	1998 – 2000 (Field Researcher)
Netherlands,	Jan Tinbergen: Resource dynamics, University of Amsterdam and Research School for Resource Studies for Development (CERES), Utrecht University, the Netherlands	January 1997 – June 1997
Netherlands/ Kenya	“Survey and design of impact measurement for second phase of the Kenya Wood Fuel and Agro-forestry Programme (KWAP)” June-July, 1994.	19 th June 8 th - July 1994

Voluntary and philanthropic work (in the last five years)

- Patron Living Water Project, Kibera

12. Current Membership of Professional Bodies and Other Responsibilities

- African Association for Public Administration and Management (AAPAM)
- Member of IUCN WCPA Tourism and Protected Areas Specialist Group
- Board Chairperson – Wetland International Eastern Africa
- Chairman Board of Management, Longonot Secondary School
- Member of Board of Management – Naivasha High School

13. Publications

Published as the Principal Author

- *Njogu J. G. (2012). KWS in the 21st Century – Protecting Globally Significant Areas and Resources, Wildlife Management and Conservation in View of International Conventions, in The George Wright Society Journal (In process of being published).*
- *Njogu, James Gichiah, and Ton Dietz (2006), Land use and tenure entitlement: Rights for community-based wildlife and forest conservation in Taita Taveta, Kenya. IDS, Working Paper. Vol. 542. Nairobi: Institute for Development Studies, University of Nairobi.*
- *Njogu, J. G. (2004). Community-based conservation in an entitlement perspective: wildlife and forest biodiversity conservation in Taita, Kenya, African Studies Centre, Leiden, Netherlands.*
- *Njogu J. G. and A. J. Dietz (2003). Land use and tenure: entitlement rights for community-based wildlife and forest conservation in Taita Taveta, Kenya. Working Paper submitted to the Institute for Development Studies University of Nairobi.*
- *Njogu. J. G. (2003). Beyond community-based conservation: arrangements for partnership in forest biodiversity management. A paper presented at an International Congress “Globalization, localization and tropical forest management in the 21st century” held in Roeterseiland Amsterdam, the Netherlands on 22-23 October 2003. Article with the same title published in the European Tropical Forest Research Network (ETFRN) Newsletter, No. 39-40 Autumn/Winter 2003 (see website [Http://www.etfrn.org/etfrn](http://www.etfrn.org/etfrn)).*
- *Njogu J. G. (2005). Beyond rhetoric: Policy and institutional arrangements for partnership in community-based forest biodiversity management and conservation in Kenya. In: "Linking global conservation objectives and local livelihood needs: lessons from Africa" Editors: M.A.F. Ros-Tonen, A.F.M. Zaal and A.J. Dietz (AMIDSt, University of Amsterdam, Chapter 11, pg. 285 - 316. Edwin Mellen Press*
- *Njogu J. Gichiah, Mirjam A.F. Ros-Tonen, Ton Dietz, and Wario Roba Adano (2005) Durable Forests and Sustainable Livelihoods: Romantic Illusion or Environmental and Social Necessity? In: "Linking global conservation objectives and local livelihood needs: lessons from Africa" Editors: M.A.F. Ros-Tonen, A.F.M. Zaal and A.J. Dietz (AMIDSt, University of Amsterdam, Chapter 15, Pg 392 – 416. Edwin Mellen Press*
- *UNEP 2016: Enhancing Synergies across Global Biodiversity Conventions - Experiences from the Global South 15–17 March 2016, Nairobi, Kenya Workshop Proceedings and Country Reports: James G. Njogu et al (Pages 31-36)*

Published as a Co-Author

- *Mungai P. Hyde KD, Cai L, Njogu J. G., Chukeatirote E. 2011 – Coprophilous ascomycetes of northern Thailand. Current Research in Environment & Applied Mycology 1, 135–159.*
- *Mungai PG, Njogu J. G., Chukeatirote E, Hyde KD. 2012a – Studies of coprophilous ascomycetes in Kenya. *Ascobolus* species from wildlife dung. Current Research in Applied and Environmental Mycology 2 (1), 1–16.*
- *Mungai PG, Njogu J.G., Chukeatirote E, Hyde KD. 2012b – Studies of coprophilous ascomycetes in Kenya. *Saccobolus* species from wildlife dung. Mycosphere 3(2), 20-43.*
- *Mungai PG, Chukeatirote E, Njogu J.G., Hyde KD 2012 – Studies of coprophilous ascomycetes in Kenya: Taxonomy of coprophilous Sordariales from wildlife dung. (Mycosphere. In Press).*

Un-published papers and posters presentations

- Community-based conservation in an entitlement perspective: wildlife and forest biodiversity conservation in Taita, Kenya. Unpublished doctorate thesis (October 2003).
- Entitlement: Tsavo community-based wildlife and forest biodiversity conservation. Poster presentation at Research School for Resource Studies for Development (CERES), Summer School, June 26-28, 2002. Utrecht University.
- Theoretical issues in the current biodiversity conservation approach: Entitlement perspectives. Paper presented on 25th October 2002 at Amsterdam research Institute for Global Issues and Development Studies (AGIDS), seminar.
- Analysis of court cases related to wildlife and forest biodiversity conservation in Taita Taveta district, Kenya (September 2001)
- Entitlement rights for wildlife and forest biodiversity conservation: A demographic analysis of Taita Taveta District (June 2001).
- A historical overview of wildlife and forest biodiversity conservation in Kenya: Entitlement rights and conflicts (March 2001).
- The role of local government in wildlife and forest biodiversity conservation in Taita Taveta District, Kenya (May 2000).
- A historical analysis of the Taita people in an entitlement perspective (September 1999).
- Elephant population and environmental degradation in Tsavo East National Park. M.Phil. Thesis, School of Environmental Studies, Moi University, Kenya, (1997).
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14. Referees

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