

**Family name:** Mwangi  
**Other names:** Evans Mungai  
**Nationality:** Kenya

**Contacts:**

*Official:* School of Biological Sciences; University of Nairobi P.O. Box 30197 00100 Nairobi, Kenya  
*Private:*  
 Email: emmwangi@uonbi.ac.ke  
 Tel:

**Education:**

Institution attended	Month/Year attended	Degree(s) obtained
University of Nairobi	Mar 1991-Jul 1994	Ph.D., Ecology, 1995
University of Nairobi	Oct 1985-Oct 1987	M.Sc., Conservation Biology, 1988
University of Nairobi	Nov 1981-Jul 1985	B.Sc., Botany and Zoology, 1985

**Employment history and work experience:**

07/2012-Present	Senior Lecturer [ <b>University of Nairobi</b> ] Consultant, Natural Resources Management/Environment
08-12/2009	Visiting Scholar/Researcher, Bowdoin College, Brunswick, Maine, USA (Fall Semester)
08/2003-06/2012	Lecturer; <b>University of Nairobi</b>
1999–02	Regional Advisor on Environmental Matters, <b>UNECA</b> , Addis Ababa, Ethiopia
1999–99	Programme Officer, <b>UNEP</b> , Nairobi, Kenya
1997-99	Senior Scientist, <b>Kenya Wildlife Service</b> , Nairobi, Kenya
1990-97	Tutorial Fellow/Assist Lecturer/Lecturer; <b>JKUAT</b> , Juja, Kenya
1988-89	Biologist; <b>Ministry of Planning - DRSRS</b> , Nairobi, Kenya

**Academic and research assignments undertaken**

**Courses taught at University of Nairobi**

- Population Ecology (MSc)
- Conservation and Management of Biological Resources (MSc)
- Conservation in International Trade and Development (4th year)
- Population Ecology (4th year)
- Philosophy and History of Biology (4th year)
- Evolutionary Biology (3<sup>rd</sup> year)
- Environmental Biology and Conservation (3<sup>rd</sup> year)
- Field Course(3rd year)
- Vertebrate zoology (core to all 1st year students)

**Courses taught at Bowdoin**

- African biodiversity and conservation – Environmental Studies Program
- Seminar on off-campus studies in Africa: Centre for Common Good.

**External examination**

2017-present: Department of Natural Resources, Karatina University, Kenya.  
 2013/2014: Department of Zoology and Wildlife Conservation; College of Natural and Applied Sciences (CoNAS)-University of Dar es Salaam (UDSM), Tanzania.

**Postgraduate Supervision**

**Ph.D – 2:** 1 Ongoing; 1 Awarded 2004  
**M.Sc -19:** 18 completed; 1 Examined, awaiting thesis corrections

**Theses recently examined**

Internal -11  
External -3

**International/regional professional engagements**

- 2009: Visiting Melon Global Environment Scholar/Researcher, Bowdoin College (Environmental Studies programme), Brunswick, Maine, USA (Fall Semester)
- 2006-08 Bureau member (representing sub-Saharan Africa) for the International Assessment of Agricultural Science and Technology for Development (IAASTD).
- 2004-06 Contributor to biodiversity chapter of the third Africa environment Outlook (AEO).
- 2004-06 Reviewer to land-related chapters in the 4th Global Environment Outlook.
- 2003-04 Contributor/reviewer to the drylands chapter of the Millennium Ecosystem Assessment

Papers/articles published in refereed journals

1. Mwangi E.M. and Mbane J.O. (in prep). Range Degradation and Herbivore Forage Availability in the Kitenden Wildlife Corridor, Kenya. to be submitted to Afr. J. Ecol
2. Peter Fundi, Evans Mwangi, and John Githaiga (forthcoming) Food Preference by Semi-wild Mountain Bongo (*Tragelaphus eurycerus isaaci*) at Mount Kenya Wildlife Conservancy: Is Reintroduction a Viable Option? International Journal of Ecology manuscript number 1014627
3. Ngowi, B.V., Tonnang, H.E.Z., Khamis, F., Mwangi, E.M. Nyambo, B. Ndegwa, P.N., Subramanian, S. (2019) Seasonal abundance of *Plutella xylostella* (Lepidoptera: Plutellidae) and diversity of its parasitoids along altitudinal gradients of the Eastern Afromontane. *Phytoparasitica*. <https://doi.org/10.1007/s12600-019-00732-3>
4. Mbane, J.; Chira, R.; and Mwangi, E. (2019) Impact of Land Use and Tenure Changes on the Kitenden Wildlife Corridor, Amboseli Ecosystem, Kenya *African Journal of Ecology*. DOI - 10.1111/aje.12611
5. Wanyonyi SN, Mwangi EM, Gichuki N. 2018. Effect of habitat disturbance on distribution and abundance of Papyrus endemic birds in Sio Port Swamp, Western Kenya. *Bonorowo Wetlands* 2: 51-62.
6. Ngowi, B.V.;Tonnang, H.E.Z.; Khamis, F.; Mwangi, E.M.; Nyambo, B.; Ndegwa, P.N. and Subramanian S. (2017). Population dynamics of *Plutella xylostella* (Lepidoptera: Plutellidae) and Its Parasitoids Along Altitudinal Gradients of the Eastern Afromontane. 231-234 in *Proceedings of the 5th International Symposium on Biological Control of Arthropods* (eds. P.G. Mason, D.R. Gillespie and C. Vincent). Langkawi, Malaysia, September 11-15, 2017. CAB International.
7. Subramanian, S; Ngowi, B; , Tonnang, H; Mwangi, E.M., Johansson,T; Ambale , J; Ndegwa, P (2017). Temperature-Dependent Phenology of *Plutella xylostella* (Lepidoptera: Plutellidae): Simulation and Visualization of Current and Future Distributions along the Eastern Afromontanes. *PLOS ONE* 12(3), e0173590 <https://doi.org/10.1371/journal.pone.0173590>.
8. Ngowi, Benignus V; Tonnang, Henri E Z; Mwangi, Evans M; Johansson, Tino; Ambale, Janet; Ndegwa, Peter N; Subramanian, Sevgan (2016): Field temperatures along Taita Hills, Farm Mwatungu. PANGAEA, <https://doi.org/10.1594/PANGAEA.858122>, In supplement to: Ngowi, BV et al. (2017)
9. Mwangi, EM (2015) Kenya's Natural Capital: A Biodiversity Atlas – Lead Author, Chapter 4: Status, Threats and Responses. Ministry of Environment, Natural Resources and Regional Development Authorities, Kenya.
10. Bernard Bett, Evans Mwangi, Salome Bukachi, Salome Wanyoike, Rosemary Sang, Ian Njeru (2013) Investigating the impacts of land use, climate and biodiversity changes on human health and wellbeing. ESPA /International Livestock Research Institute/Dynamic Drivers of Disease in Africa.
11. Mwangi, E.; Sang, R.; Bukachi, S.; Wanyoike, S. and Bett, B. (2013).Research Update: Situation Analysis, Kenya. Dynamic Drivers of Disease in Africa Consortium', NERC project no. NE-J00 1570-1.
12. Mwangi, E.M. (2013). *Kafue Flats*. pp 715-717 in Howarth, R.W and Mohan, J.E (eds.) *Biomes and Ecosystems: An Encyclopedia*. Salem Press, Pasadena, CA. ISBN: 978-1-4298-3813-9. 1440 pp; e-ISBN: 978-1-4298-3818-4
13. Ngaruiya, G.W. and Mwangi, E.M. (submitted) Culture and the conservation of elephant-shrews (*Rhynchocyon sp.*) in Lamu, Kenya.: *Journal for the Study of Religion, Nature and Culture* Manuscript URL: <http://www.equinoxpub.com/JSRNC/author/submission/15090>
14. Kamweya, A.M.; Mwangi, E.M., Njonge, F.K, and Mutugi, M (2012). Elephant movement and local community attitudes towards the proposed corridor between Thegu forest and Sangare ranch. *Journal of Agriculture, Science and Technology* 14(1): 4pp
15. Kinyamario, J.I and Mwangi, E (2012). *Principles of Environmental Biology and Conservation in Eastern Africa*. LAP Lambert Academic Publishing GmbH & Co. (ISBN 978-3-8484-2822-9) 143 pp
16. Munyekenye F.B; E.M Mwangi and N.N Gichuki. (2008) Bird species richness and abundance in different forest types at Kakamega forest, western Kenya. *Ostrich* 79 (1): 37-42.
17. Mwangi, E.M. and E.U. Kenya (2007). Overview of Principles and Application of Environmental Risk Assessment. Chapter 20 in Waswa F., Otor, S., Olukoye, G. and Mugendi, D. (eds) 2007. *Environment and Sustainable Development: A Guide for Higher Education in Kenya. Volume 2*. School of Environmental Studies and Human Sciences. Kenyatta University. pp 335-350
18. Mwangi, E. Raharimampionona, P. Lowry, E. Sene, P. Ashton, S, Blake and C.O. Justice (2006). Chapter 7: Biodiversity in *African Environment Outlook 2: Our Environment, Our Wealth*. United Nations Environment Programme. ISBN: 92-807-2691-9. pp 226-261
19. Patterson, B. D., J.M. Dubach, T.P. Gnoske, S. Weru, E. Mwangi, and R.W. Kays. (1999). Morphologic, genetic, and ecological variation of African lions: the mane story. **79th Annual Meeting of the American Society of Mammalogists**, Seattle WA.
20. Gichohi, H., Gakahu, C. and Mwangi, E. (1996). Savanna Ecosystems. Pp273-298 in T.R. McClanahan and T.P. Young (eds). *East African Ecosystems and Their Conservation*. Oxford University Press, New York.
21. Mwangi, E.M. (1998). Large herbivore dynamics in the face of insularization: the case of Lake Nakuru National Park, Kenya. **African Journal of Ecology** 36 276-279.
22. Mwangi, E.M. and D. Western. (1998). Fluctuations in food supply in an insularized and heavily grazed savanna ecosystem in Kenya. **African Journal of Ecology** 36: 207-212.
23. Mwangi, E.M. and D. Western. (1998). Habitat selection by large herbivores in Lake Nakuru National Park, Kenya. **Biodiversity and Conservation** 7: 1-8.
24. Mwangi, E.M. (1993). The structure and dynamics of large herbivore populations in Lake Nakuru National Park. in Howard G.W. and Bennun, L.A. *Research and Monitoring for Lake Nakuru National Park and Catchment*. Report of KWS/KWWG/WWF planning Workshop, Nakuru, 29-30 May 1993. Centre for Biodiversity. NMK, Nairobi
25. Mwangi, E.M. and W.K. Karanja (1993). Diurnal activity patterns in White-bellied and Kori Bustards. *Proceedings of the 8th Pan African Ornithological Congress*, Bujumbura, Burundi, 1992.

26. Mwangi, E.M. and W.K. Karanja (1992). Population densities and habitat utilization among White-bellied and Kori bustards in Nairobi National Park and its environs. Proceedings of the 7th Pan African Ornithological Congress, Nairobi, Kenya, 1988.
27. Mwangi, E.M. and W.K. Karanja (1989). Home range, group size and sex composition in White-bellied and Kori bustards. *Bustard Studies* 4: 114-122.

Selected recent research reports

1. Byers, B, Hecht, J and Mwangi, E (2011) Kenya: Tropical Forest and Biodiversity Assessment - Prosperity, Livelihood and Conserving Ecosystems (USAID).130pp
2. Mwangi, E.M and Easa, P.S (2008). IFAW Elephant Habitats Study: Identifying Critical Elephant Habitats in Africa and Asia. International Fund for Animal Welfare (IFAW), Nairobi, Kenya. 120pp
3. Mwangi, E.M (2007). Survey of the golden-rumped sengi north of Tana in Kenya. **Afrotherian Conservation** 5: p8.
4. Mwangi, E.M.; Mumma, A. and Ndungu, J. (2006). Conservation Outside Protected Areas in Kenya: Selection of Priority Sites. African Wildlife Foundation. Nairobi. 48pp

Conferences/Seminars/Workshop Proceedings

1. 2016 Pathways Kenya 2016: *Integrating Human Dimensions into Fisheries and Wildlife* – organised and facilitated Panel Session: OS-F4: Mitigating Human Wildlife Conflict in East Africa Mt Kenya Safari Club: 10th - 13th January 2016;
2. 2009 Mellon Global Symposium: presented a paper entitled: *Climate change and biological diversity: perspectives from sub-saharan Africa*. Oct 23, 2009. Drukenmiller Hall, Bowdoin College, Brunswick, ME; Fall 2009;
3. 2009 presented talk entitled: *Species and Space Constraints: The Continuing Fight for Africa's Wildlife*". Annual Mellon Global Scholar Address on the theme: "Parks, people and the African elephant" Nov 19, 2009; Bowdoin College, Brunswick, ME
4. 2009 presented talk entitled: *Living and Working in Africa* McKeen Center for the Common Good; Bowdoin College, Brunswick, ME
5. 2008 IFAW Elephant Strategy meeting. Presentation entitled: *Critical Elephant Habitats: Securing Space for African and Asian Elephants*. Resort and Conference Centre, Hyannis, Massachusetts, USA; 2-3 Nov 2008
6. 2008 Brown Bag Seminar: *Bushmeat and the decline of East Africa's wildlife*. WWF-US, Washington DC; 4 Nov 2008
7. 2007 National Grevy's Zebra Conservation Strategy Workshop, Co-edited the proceedings; 11-14 April 2007. KWS Training Institute, Naivasha, Kenya
8. 2007 Regional workshop of the Kenya National Academy of Sciences. Presented paper entitled: *Biodiversity and indigenous knowledge: linkages between science and legislation*.