



UNIVERSITY OF EMBU

STAFF WEBSITE PROFILE

Name: Michael Njoroge Githaiga

Title/Qualification: PhD

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Short Biography

Michael N Githaiga is a lecturer at University of Embu, department of biological sciences. He earned his PhD in Marine Ecology from Edinburgh Napier University, UK. He holds a BEd Science degree from Kenyatta University and Msc Plant Ecology from the same university. Previously he worked with Kenya Marine and Fisheries Research Institute. He has a wide experience in the management of coastal ecosystems particularly mangroves and seagrasses.

Research Interests

Interests are in conservation ecology with strong focus on carbon accounting

Publications in Journals:

- **Githaiga, N. M.**, Gilpin, L., Kairo, J. G., & Huxham, M. (2016). Biomass and productivity of seagrasses in Africa. *Botanica Marina*, 59(2-3), 173–186. <http://doi.org/10.1515/bot-2015-0075>.
- **Githaiga N. M.**, Kairo J. G, Gilpin L, Huxham M (2017) Carbon storage in the seagrass meadows of Gazi Bay, Kenya. *PLoS ONE* 12(5): e0177001. <https://doi.org/10.1371/journal.pone.0177001>.
- Maria Potouroglou James C. Bull, Ken W. Krauss, Hilary A. Kennedy Marco Fusi Daniele Daffonchio, Mwita M. Mangora, **Michael N. Githaiga**, Karen Diele, & Mark Huxham. *SCIENTIFIC REPOrTS* | 7: 11917 | DOI:10.1038/s41598-017-12354-y

Presentation of Papers at Academic and Professional Conferences

- 21st – 23rd March 2016: Oral presentation: “**Effects of seagrass disturbance on sediment dynamics and on the benthic infauna communities at, Gazi Bay, Kenya**” at the 1st KCDP Conference at Voi Wildlife Lodge, Taita Taveta County, Kenya.
- 26th – 31st October 2015: Oral presentation on “**Carbon stocks of seagrass meadows, Gazi Bay, Kenya**” at the 9th WIOMSA scientific symposium at Durban, South Africa.
- 25th – 28th August 2015: Oral presentation on “**Status of seagrass biomass and productivity studies in Africa at the Africa Blue carbon workshop in Zanzibar, Tanzania**”
- Oct 29th - 2 Nov 2013 – Oral presentation on “**Mangrove forest productivity patterns across intertidal gradients of Gazi Bay, Kenya**”, at the 8th WIOMSA scientific symposium, Maputo Bay, Mozambique.
- July 25th-28th 2012 – Oral presentation at an International conference at Karatina University “**Productivity patterns across intertidal gradients of Gazi Bay, Kenya**”.

- 24th - 29th 2011 October 2011- Oral presentation titled ‘**Structure and biomass accumulation estimates of natural mangrove forests along the intertidal complex of Gazi Bay, Kenya**’ at the 7th WIOMSA scientific symposium, Mombasa, Kenya.
- 16th - 19th November 2010 - Poster presentation, in Aquatic Resources of Kenya (ARC) conference in Naivasha organized by KMFRI.

Books/Book Chapters Published

- **Githaiga N. M.**, (2017): The role of seagrass meadows in Gazi Bay, Kenya as carbon sinks. PhD Thesis, Edinburgh Napier University.
- **Githaiga N. M.**, (2013): Structure and biomass accumulation of natural mangrove forests at Gazi Bay, Kenya. M.Sc. Thesis, Kenyatta University.
- Skov, M., Kairo J. G., Langat J. K., Huxham M., Wanjiru C., **Githaiga N. M.**, Hamza, A., Obinga, A (2011): Sampling forest structure and growth for biomass and carbon estimation training manual, John Ellermans.