

CURRICULUM VITAE

NAME: Stephen Mwangi

ADDRESS: Kenya Marine and Fisheries Research Institute (KMFRI),
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NATIONALITY: Kenyan

GENDER: Male

DATE OF BIRTH: 21st September 1962

LANGUAGES: English, Swahili, Kikuyu.

Academic qualifications

1992 – 1994 Master of Science in Fundamental and Applied Marine Ecology. Free University of Brussels (VUB)- Belgium

1984 – 1987 Bachelor of Education (Sci.)-Botany & Zoology (upper second honours)-Kenyatta University, Kenya.

Current Position:

Senior Research Officer, Kenya Marine and Fisheries Research Institute (KMFRI).

Major Responsibilities held:

- 2013-2017: Technical Coordinator-World Bank-GOK funded Kenya Coast Development Project (KCDP).
- 2005-2008: Assistant Director (Marine and Coastal Division)-Responsible for Multi-disciplinary research on issues related to marine and coastal ecosystems.
- 2008-2011. Project Coordinator MASMA funded project: Distribution of pathogenic *Vibrio cholerae* strains in aquatic environments in coastal areas of East Africa: Implication to cholera outbreaks and control.
- February 2005- July 2008: Country Coordinator: EU funded Peri-urban mangrove forests as filters and potential phytoremediators of domestic sewage in East Africa (PUMPSEA) Project-Global Budget: 1.65 million Euros
- 1996-1998: *Local* manager: Kenya Belgium Project (KBP) in Marine Sciences

Research Interests

Research related to water quality, microbial foodwebs, primary production in tropical marine ecosystems and coastal and marine aquatic resource management.

Selected publications

Kamau Joseph N, Kuschik, Peter, Machiwa, John, Macia, Adriano., Mothes, Sibylle, **Mwangi, Stephen**, Munga, Daniel, and Kappelmeyer, Uwe (2015). Investigating the distribution and fate of Cd, Cu, Fe, Mn and Zn in sewage impacted mangrove fringed creeks of Kenya, Tanzania and Mozambique. *Journal of Soils and Sediments* DOI 10.1007/s11368-015-1214-3

Kamau Joseph N., Jane Catherine Ngila, Bernard Kirui, , **Stephen Mwangi**, Charles Mitto Kosore, Veronica Wanjeri and Sturcky Okumu (2015). Spatial variability of the rate of

- organic carbon mineralization, in a sewage impacted forest, Mikindani Kenya. *Journal of Soils and Sediments* (in press)
- Orwa, P.O., Omondi, R., Okuku, E.O, Ojwang, W. & **Mwangi, S** (2014) Composition, abundance and feeding guilds of macroinvertebrates in Lake Kenyatta, Kenya. *International Journal of Environmental Monitoring and Analysis* 2(5): 239-243.
- Munga, C.N., **Mwangi, S.**, Ong'anda, H., Ruwa, R., Manyala, J., Groeneveld, J.C., Kimani, E., and Vanreusel, A. (2013). Species composition, distribution patterns and population structure of penaeid shrimps in Malindi-Ungwana Bay, Kenya, based on experimental bottom trawl surveys. *Fisheries Research* 147: 93 – 102
- Kiteresi L.I., Okuku E.O., **Mwangi, S.N.** and Mkono M. (2013): Potentially Harmful Algae along the Kenyan Coast: A Norm or Threat. *Journal of Environment and Earth Science*: 3(9), 1-11
- Ongore, C. O, Okuku, E. O., **Mwangi, S. N.**, Kiteresi, L. I., Ohowa B.1, Wanjeri, V. O., Okumu, S., and Kilonzi, J (2013). Characterization of nutrients enrichment in the estuaries and related systems in Kenya coast. *Journal of Environmental Science and Water Resources*: 2(6), 181-190.
- Kiteresi L.I., Okuku E.O., **Mwangi, S.N.**, Ohowa, B., Wanjeri V.O., Okumu, S. and Mkono M. (2012). The influence of land based activities on the phytoplankton communities of Shimoni-Vanga system. *Int. J. Environ. Res.*, 6(1) 151-162.
- Okuku, E.O., Ohowa, B., Munga D., **Mwangi, S.N.**, Kiteresi L. I., Wanjeri, V.O., Okumu, S., and Kilonzo J. (2011). Sewage pollution in the coastal waters of Mombasa City, Kenya: A norm rather than an exception *Int. J. Environ. Res.*, 5(4):865-874.
- Penha-Lopes G. , Xavier S, Okondo J., Cannicci S., Fondo E., Ferreira S., Macamo C., Macia A., **Mwangi S.**, Paula J. (2010). Effects of urban wastewater loading on macro and meiofauna assemblages in subtropical east
- Munga D., **S. Mwangi**, H. Onganda, J.U. Kithaka, S.M Mwanguni, F. Mdoe, J. Barongo, H.S. Massa,, G. Opello. 2006. Vulnerability and pollution of groundwater in Kisauni, Mombasa, Kenya. In; *Groundwater pollution in Africa*: edited by Yongxin Xu, Brent

Other Duties and responsibilities

1. Alternate National Coordinator RAF7009: Supporting an Integrated Approach for Marine Pollution Monitoring Using Nuclear Analytical Techniques
3. Alternate National coordinator, Africa Regional Project on Enhancing Regional Capability in assessment of Marine contamination in Africa- RAF 7008
4. Alternate National coordinator, Africa Regional Project on Receptor binding assay of potentially harmful algal blooms-Coastal Zone Management Project Phase II- RAF 7007

Professional contributions:

Member of National Technical Committee on Beaches

REFEREES

1. Dr. Johnson Kazungu,
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