

CURRICULUM VITAE

1. PROSPER LAURENT MFILINGE(PhD)

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2. PROFESSIONAL EXPERTISE

- Estuarine ecology and Limnology
- Wetland ecology (with particular interest in trophic dynamics)

3. MEMBERSHIP IN PROFESSIONAL ORGANISATIONS

- Member, Western Indian Ocean Marine Sciences Association (WIOMSA).
- Eastern Africa JSPS Alumni Association (EAJSPAAA)

4. PUBLICATIONS

Pagu Julius, Magnus Ngoile and **Prosper Mfilinge** (2017) Temporal and Spatial variability in Reef fish Density and Biomass within the Dar es Salaam Marine Reserve System, Tanzania. *WIO Journal of Marine Science* **15** (1) 2016 69-78.

Mfilinge Prosper and Tsuchiya Makoto (2016) Changes in Sediment Fatty Acid Composition during Passage through the Gut of Deposit Feeding Holothurians: *Holothuria atra* (Jaeger, 1883) and *Holothuria leucospilota* (Brandt, 1835). *Journal of Lipids*, Volume 2016, Article ID 4579794, 9 pages <http://dx.doi.org/10.1155/2016/4579794>.

Robert Agnes, **Mfilinge Prosper**, Limbu Samwel M., and Mwita Chacha (2014) Fatty Acid Composition and Levels of Selected Polyunsaturated Fatty Acids in Four Commercial Important Freshwater Fish Species from Lake Victoria, Tanzania. *Journal of Lipids*, Volume 2014, Article ID 712134, 7 pages <http://dx.doi.org/10.1155/2014/712134>.

Bachok Z, Meziane T, **Mfilinge PL**, Tsuchiya M. (2009) Fatty acid markers as an indicator for temporal changes in food sources of the bivalve *Quidnipayus palatum*. *Aquatic Ecosystem Health and Management* **12** : (4)390-400.

Mfilinge PL, Tsuchiya M. (2008) Effect of temperature on leaf litter consumption by grapsid crabs in a subtropical mangrove (Okinawa, Japan). *Journal of Sea Research* **59**:94-102.

Mchenga IS, **Mfilinge PL**, Tsuchiya M. (2007) Bioturbation activity by the grapsid crab *Helice formosensis* and its effects on mangrove sedimentary organic matter. *Estuarine, Coastal and Shelf Science* **73**:316-324.

Meziane T, Lee SY, **Mfilinge PL**, Shin PKS, Lam MHW, Tsuchiya M. (2007) Interspecific and geographical variations in fatty acid composition of mangrove leaves: Implications for using fatty acids as trophic tracers. *Marine Biology* **150**:1103-1113.

Bachok Z, **Mfilinge PL**, Meziane T, Tsuchiya M. (2006) Food sources of coexisting suspension feeding bivalves as indicated by fatty acid biomarkers, subjected to the bivalve abundances on a tidal flat. *Journal of Sustainability Science and management* **1** (1):92-111.

Bachok Z, **Mfilinge PL**, Tsuchiya M. (2006) Characterization of fatty acid composition in healthy and bleached corals from Okinawa, Japan. **Coral Reefs** **25(4):545-554**.

Mfilinge PL, Meziane T, Bachok Z, Tsuchiya M. (2005) Total lipid and fatty acid classes in decomposing mangrove leaves of *Bruguieragymnorhiza* and *Kandeliacandel*: significance with respect to lipid input. **Journal of Oceanography** **61:613-622**.

Mfilinge PL, Meziane T, Bachok Z, Tsuchiya M. (2005) Litter dynamics and particulate organic matter outwelling from a subtropical mangrove in Okinawa Island, South Japan. **Estuarine, Coastal and Shelf Science** **63:301-313**.

Islam S, Shokita S, **Mfilinge PL**, Tsuchiya M. (2004) Status of organic and Inorganic nutrients in waters and sediments at the habitats of the mangrove sesarmid crabs from the Ryukyu Islands, Japan. **Bulletin of the Faculty of Science, University of the Ryukyus** **78: 327-356**.

Bachok Z, **Mfilinge PL**, Tsuchiya M (2003) The diet of the mud clam *Geloinacoaxans* (Mollusca, Bivalvia) as indicated by fatty acid markers in a subtropical mangrove forest of Okinawa, Japan. **Journal of Experimental Marine Biology and Ecology** **292:187-197**.

Mfilinge PL, Meziane T, Bachok Z, Tsuchiya M (2003) Fatty acids in decomposing mangrove leaves: microbial activity, decay and nutritional quality. **Marine Ecology Progress Series** **265:97-105**.

Mfilinge PL, Atta N, Tsuchiya M (2002) Nutrient dynamics and leaf litter decomposition in a subtropical mangrove forest at Oura Bay, Okinawa, Japan. **Trees Structure and Function** **16:172-180**.

Chapters in Books

Tsuchiya M, **Mfilinge PL** (2006) Biodiversity of coral reef and island ecosystems of the Ryukyus. In: 21st Century COE Program, University of the Ryukyus (ed.). Tokai University Press, pp 332-349. ISBN4-486-01731-5.

5. SELECTED CONFERENCES AND WORKSHOPS ATTENDED

Workshop on Evaluation of performance of Beach Management Units (BMUs) as tools for decentralized management; Results of BMU assessment in Kenya and Tanzania. 24th to 25th, February, 2014, Kibaha Conference Center Tanzania.

Workshop on Beach Management Units (BMU) Harmonization methodologies, Ubungo Plaza 29th-30th July 2013, Dar es Salaam, Tanzania.

Mfilinge PL, Tsuchiya M (2006) Effect of season on litter consumption by grapsid crabs in a subtropical mangrove (Okinawa, Japan). Mangrove Macro-benthos Meeting II. 25-30 June, 2006 Gold Coast, Australia.

Mfilinge PL, Tsuchiya M (2004) Organic matter and nutrients in mangrove-intertidal ecosystems exposed to a catchment area affected by red soils. Presented at the 10th International Coral Reef Symposium, Okinawa, Japan, 28 June - 2 July, 2004.

Tsuchiya M. **Mfilinge PL (2004)** Particle transfer by sea cucumber: bioturbation or biopurification? First Nereis Park Conference 2004 Bioturbation: The ever changing Seafloor. November 7-9, 2004. Vancaciel La Calanquel – Carry – Le- Rouet, France.

Mfilinge PL, Meziane T, Bachok Z, Tsuchiya M (2003) Lipid classes in decomposing leaves of *Bruguieragymnorrhiza* and *Kandeliacandel*. Presented at the 4th International Workshop on Oceanography and Fishery in the East China Sea, The University of the Ryukyus, Okinawa, Japan 8-9 November 2003.

Mfilinge PL, Atta N, Tsuchiya M (2001) Nutrient dynamics associated with mangrove leaf litter decomposition. Presented at the International symposium on mangroves: Evolution, Physiology and Conservation, University of Tokyo, Japan 10-12 July 2001.

6. CONSULTANCY

Machiwa, J., Shilla, D., **Mfilinge, PL.**, Kaaya, L., and Pamba, S., 2008. Applied Training Project – Nile Basin Initiative. Development and Review of teaching materials for Ecology Management Module. Report submitted.

B. Benno and **P. Mfilinge** (2015) A baseline suitability study for the establishment of cage culture in southern Lake Victoria.

Mfilinge P.L. (2016) Terrestrial flora and wetland study of the proposed Mbeya Coal to Power Project in Songwe region. A Consultancy Report submitted to MTL Consulting Company Limited, Dar es Salaam, Tanzania.

Mfilinge P.L. (2016) Fauna and Aquatic Biology study of the proposed Geita Gold Underground Mining Project in Geita District, Geita Region. A Consultancy Report submitted to MTL Consulting Company Limited, Dar es Salaam, Tanzania.

Mfilinge P.L. and **Haji Selemani** (2017) Wetland and terrestrial flora study of the proposed Nyanzaga Gold Mine in Sengerema District, Mwanza region. A Consultancy Report submitted to MTL Consulting Company Limited, Dar es Salaam, Tanzania.



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