

Curriculum Vitae



Prof. Mlewa Chrisestom Mwatete Ph.D

Associate Professor & Dean, School of Graduate Studies,
Pwani University, P.O. Box, 195-80108, Kilifi, Kenya.
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1.0 Biodata

Full Name: Prof. Mlewa Chrisestom Mwatete PhD
Date of Birth: 1st July 1963
Marital Status: Married, with children
Nationality: Kenyan

2.0 Education Profile

2000-2003 PhD (in Biology), Memorial University, Newfoundland, Canada

1994-1996 MSc (in Biology); Memorial University, Newfoundland, Canada.

1985-1988 BSc (Hons, Wildlife Management Science), Moi University

3.0 Employment History

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|-----------------------|--------------------------|----------------------|
| • Associate Professor | Pwani University | Feb 2013 to date |
| • Associate Professor | Pwani University College | Sep 2011 – Jan 2013 |
| • Senior Lecturer | Pwani University College | Jul 2009 – Sept 2011 |
| • Senior Lecturer | Moi University | Aug 2006 – Jun 2009 |
| • Lecturer | Moi University | Feb 1998 – Aug 2006 |
| • Tutorial Fellow | Moi University | Oct 1996 – Feb 1998 |
| • Graduate Assistant | Moi University | Nov 1989 – Oct 1996 |
| • Fisheries Officer | Civil Service of Kenya | Jan 1989 – Nov 1989 |

3.0 University Teaching and Research Experience

3.1 Teaching Experience

Currently Associate Professor in Department of Biological Science; with over 20 years teaching experience. Have taught several undergraduate and postgraduate level courses

3.2. Fisheries Curriculum Development Experience

- Development of the Marine Biology and Fisheries curriculum which was Approved by the Kenyatta University Senate and currently has undergraduate students in the 2nd Year of study at Pwani University
- Development of the Fisheries and Aquatic Sciences undergraduate Curriculum while at the now University of Eldoret
- Development of the Master of Science (Fisheries Management and Aquaculture) degree curriculum while at the now University of Eldoret
- Development of the Master of Science (in Fisheries management and aquaculture) degree curriculum while at the now University of Eldoret
- Development of the Diploma in Fisheries and Aquaculture curriculum while at the now University of Eldoret

3.3 Postgraduate and Undergraduate Student Research Supervision

Have supervised postgraduate students' research and writing of thesis. Also supervised over 30 undergraduate (4th Year) research projects and writing of B.Sc. honours dissertations

3.3.1 Postgraduate Student Supervision and Thesis Examination

On going Graduate Supervision

1. Odongo, Victor Otieno (2015). Evaluation of carbon sequestration in seagrass meadows of Malindi Marine Park, Kenya. MSc Environmental Science, Pwani University. *Proposal submitted for ERC review.*
2. Kimani Patrick (2014). Value chain analysis of small-scale marine fisheries at selected sites along Kenya's coast. PhD Fisheries, Pwani University. *Proposal Approved by ERC. Field data collection*
3. Mwangudza, Petronilla Masika (2014). Characterization of fisheries resources for water reservoirs of the solar salt works in Ungwana Bay Kenya. MSc Fisheries, Pwani University. *Proposal Approved by ERC. Field data collection*

4. Mutiso, Josephine (2014). Coral-algal phase shift in Kenya's coral reef ecosystem: the case of Kisite-Mpunguti Marine Conservation Area. MSc Environmental Science, Pwani University. *Proposal Approved by ERC. Field data collection*
5. Anam, Rashid O. (2013). Morphomeristic study of rabbitfishes (Pisces: Siganidae) along the Kenyan coastal waters. MSc Fisheries, Pwani University. *Data analysis and thesis writing*
6. Anyango, James O. (2013). The impacts of seaweed farming on wild fisheries resources in Shimoni south coast, Kenya. MSc Fisheries, Pwani University. *Data analysis and thesis writing*
7. Bett, David K. (2013). Impact of ringnet fishery on target and non-target fish along the Kenyan coast. MSc Environmental Science, Pwani University. *Data analysis and thesis writing.*

Graduated Students

8. Manyala, Julius Otieno (2013). Non-classical approaches to the analysis of ecology and fishery of *Rastrineobola argentea* (Pellegrin 1904) in the Winam Gulf of Lake Victoria, Kenya (**PhD Thesis**). *Graduated December 2013*
9. Mwakiti, Stephen M. (2013). Stock identification of the Cutlass fish, *Trichiurus lepturus* (Linnaeus, 1758), on the Kenyan Coast using morphometric characteristics. M.Phil (Fisheries Management), University of Eldoret. (**MSc Thesis**). *Graduated December 2013*
10. Abigail Mweruti Nyansorora (2011) Efficacy of iodized common salt during larval rearing on survival, growth, water quality and stress response of Nile Tilapia (*Oreochromis niloticus* Linn. 1758) fingerlings. (**MSc Thesis**), *Graduated December 2011*
11. Mwangi, George Kamau (2011) Effects of replacing fish meal with pasteurized bovine blood on growth performance, survival and economic benefits in Nile tilapia (*Oreochromis niloticus* L. 1758) culture. (**MSc Thesis**), *Graduated December 2011*
12. Ani-Sabwa, Josiah (2011) Effects of greenhouse and stocking density on growth and survival of African catfish (*Clarias gariepinus*, Burchell 1822) fry reared in a high altitude region. (**MSc Thesis**), *Graduated December 2011*

13. Agembe, Simon Were (2009). Some aspects of the biology and fishery of groupers (Teleostei; Serranidae) in inshore waters of south coast, Kenya. (**MSc Thesis**), *Graduated December 2009*
14. Nyamweya, Chrispine Sangara 2009. Age and Growth Parameters of commercially exploited native fish species in Lake Baringo. (**MSc Thesis**), *Graduated December 2009*
15. Gamoe, Albert (2008). Temporal variation in larval supply and catch rates of reef fishes in Malindi Marine Park, Kenya. (**MSc Thesis**), *Graduated December 2008*

3.2.2 Postgraduate Theses Examination

- 1 Morphometric, population genetics structure and phylogenetic studies of *Barbus altianalis* (Boulenger 1900) populations in Lake Victoria watershed. **PhD Thesis by Chemoiwa, Emily Jepyegon (2014)**.
- 2 Integrated Assessment of the Health of River Sosiani, Kenya. **MSc. Thesis by Achieng, Alfred Otieno 2013**
- 3 Nesting Ecology of the Green turtle, *Chelonia mydas* (Linnaeus, 1758) in coastal Kenya. **MSc. Thesis by Machaku, Rose Bahati (2013)**.
- 4 Effects of human activities on water quality and Biota along Nyangores Stream, Mara River basin, Kenya. **MSc. Thesis by Gichana, Zipporah Moraa (2013)**.
- 5 Temporal and spatial patterns in recruitment of juvenile corals on lagoonal reefs in coastal Kenya. **MSc Thesis by Karisa, Juliet Furaha (2008)**.
- 6 Effect of varying dietary protein levels on reproductive performance of Nile tilapia (*Oreochromis niloticus*) reared in earthen ponds. **MSc Thesis by Mugo, James Bundi (2008)**.
- 7 Development of a preliminary fish index of biotic integrity for bioassessment of Lakes Kanyaboli and Sare, Lake Victoria basin, Kenya. **MSc Thesis by Omukoto, Johnstone Omuhaya (2007)**.
- 8 Bioassessment of constructed wetlands using macroinvertebrates and nutrient removal by two macrophytes; *Cyperus papyrus* L. and *Echinochloa pyramidalis* L. at Chemilil Sugar. **MSc Thesis by Opa, Benard Onyango (2006)**.
- 9 Feeding ecology of *Barbus spp.* (Cuvier and Cloquet 1816) (Pisces: Cyprinidae) in River Nyando Floodplain, Lake Victoria. **MSc Thesis by Mboya, David Auma (2005)**.

- 10 Survival and growth of African catfish (*Clarias gariepinus* Burchell 1822) fry reared at different shading levels. **MSc Thesis by Rauni, John Gitonga (2005).**
- 11 Growth and survival of the African catfish *Clarias gariepinus* fry reared at different stocking densities in tanks. **MSc Thesis by Omwansa, Kebati Daniel (2004).**

3.2.3 Undergraduate (B.Sc.) Research Projects

1. Nganga, Samuel K. (2013). Determination of heavy metals in water and in fish tissue samples in Sabaki Estuary, Kenya.
2. Muteti, Daniel H. (2012). Human-wildlife conflict: A case study of human-elephant conflict in Chyulu Hills National Park in Makueni County.
3. Lolkinyati. Leakey F. (2012). Human carnivore conflict in Kalama Community Wildlife Conservancy.
4. Otieno, Victor O. (2011). Assessment of the concentrations of heavy metals in water and edible fish species in Makupa Creek, Mombasa.
5. Anam, Rashid, O. (2009). Some aspects of the biology of the African catfish (*Clarias gariepinus*) in Chepkoilel River.
6. Mjomba, G. Evans (2009). Biology of the red swamp crayfish, *Procambarus clarkii* at Chepkoilel Fish Farm and the surrounding swamp.
7. Osuka Kennedy Edeye (2008). Taxonomic study of *Barbus spp* (Cuvier & Cloqueet, 1816) from Chepkoilel Reservoir and Two Rivers Dam.
8. Lidweye A. Peggy (2008). Food habits, length-weight relationship and condition factor of Baringo Tilapia *Oreochromis niloticus baringoensis*. Muriuki,
9. Chege S. (2008). Systematic study of *Barbus* from upper Tana River (Sagana) and upper Athi River.
10. Bett, Alfred K. (2008). A systematic study of *Oreochromis niloticus* (Linnaeus 1758) (Teleostei, Cichlidae) from Kesses Dam and Lake Baringo. *BSc. Dissertation. Graduated*
11. Nyambu M. Cecilia (2006). A study of food and feeding habits of *Oreochromis niloticus* and *Clarias gariepinus* in Chepkoilel Fish Farm Reservoirs.
12. Amutabi Kennedy (2006). Investigation of endoparasites and ectoparasites of fish in Chepkanga dam.
13. Yator Philip (2006). The status of fish farming in Uasin Gishu District.

14. Malala Robinson (2006). A study of the nutritional status of fresh and traditionally preserved African lungfish, *Protopterus aethiopicus*, Heckel 1851, from Lake Victoria and Lake Kanyaboli, Kenya.
15. Apindi Kennedy Ochieng (2005). Some aspects of the biology of the African lungfish *Protopterus aethiopicus* Heckel, in Lake Kanyaboli, Kenya.
16. Tole, Jael Makumbo (2005). Comparative study of the growth performance of a hybrid catfish and *Clarias gariepinus*. BSc. Dissertation. Graduated.
17. Were, Daniel Ogolla (2005). Some aspects of biology of African lungfish, *Protopterus aethiopicus* Heckel, raised in earthen ponds.
18. Onchanji Enoch Guda (2004). Length-weight relationship, condition and food of the Nile tilapia (*Oreochromis niloticus* Linn. 1758) in Chepkoilel Fish Farm, Uasin Gishu District, Kenya.
19. Kariuki, James Kamau (2004). Determination of phosphorous and nitrates in Kesses dam, Eldoret.
20. Bosire O. Robert (2004). Length-weight relationship and relative condition factor of the African catfish, *Clarias gariepinus* Burchell 1822 in River Chepkoilel, Kenya.
21. Wafula Roy Makhaso (2004). Water quality parameters and primary productivity of two adjacent fish ponds on Chepkoilel Fish Farm.
22. Ochino, Kennedy Ochieng' (2004). A comparative study of zooplankton abundance and diversity in Marula Swamp and Chepkanga dam.
23. Okoth Elijah Oyoo (2001). Food and feeding habits of Nile tilapia (*Oreochromis niloticus* Linn. 1758) in Kesses dam, Eldoret Kenya.
24. Ruguru, Florence G. (2001). Some aspects of the reproductive biology of Nile tilapia *Oreochromis niloticus* (L) in Kesses dam, Uasin Gishu District, Kenya.
25. Munga Cosmas N. (2000). Growth and feeding habits of African catfish (*Clarias gariepinus*, Burchell) fingerlings in the first four weeks post-hatch in selected nursery ponds at Sagana Fish Culture Farm, Kenya.
26. Mutuku, Josiah Musembi (1999). Some aspects of the reproductive biology of Nile tilapia *Oreochromis niloticus* (L) in Chepkanga dam, Uasin Gishu District, Kenya.
27. Ondu C.J.O. (1998). A survey of soils along Marura Swamp and their suitability for freshwater fish farming.
28. Otieno Amos Nyang'wara (1998). Food habits of catfish (Family: Clariidae) in Marura Swamp, Eldoret, Kenya.

29. Ogola M.O. (1998) Post-impoundment colonization of a tropical dam by littoral macroinvertebrates: A case study of Kipkarren dam.
30. Orwa P.O. (1997). Suitability of Munyaka Borehole water for the production of Nile tilapia *Oreochromis niloticus* and African catfish *Clarias gariepinus* under culture.
31. Wanyonyi, B. (1997). Water quality parameters of Chepkoilel Reservoir.
32. Mutiso Agnes (1997). A study of littoral macroinvertebrates fauna of Chepkanga dam.

3.2 Research Interests and Experience

- National Coordinator of Component 5 on Biodiversity Mainstreaming; The Regional Project South West Indian Ocean Fisheries Project (SWIOFP)
- Principal Investigator (PI) of an on-going NCST funded project: Enhancing Food Security among Coastal Fisher Communities: Promoting Small Scale Mariculture Technologies along Kilifi Creek.
- As PI in the NCST funded project am involved in activities towards Mangrove rehabilitation and development of silvofisheries along the Kilifi Creek
- As National coordinator of Component 5 on Biodiversity Mainstreaming of the SWIOFP Project am also overseeing the turtle tagging and monitoring project for Kenya
- Facilitated training of Enumerators and participation in the carrying out of the Rapid Bycatch Assessment survey at various landing sites along the Kenya Coast.
- I have expertise in using ultrasonic and radio telemetry to study fish movements; and also in evaluation and analysis of limnological and fishery data; and application of morphometric techniques in fish taxonomy.
- Application of Ecological Approach to Fisheries (EAF) & Ecological Risk Assessment (ERA) Methodology from a Workshop (SWIO), Nyali Beach Hotel, Mombasa, Kenya
- Practical experience in taxonomic work gained from Fishbase and Fish Taxonomy training at the Royal Museum for Central Africa (RMCA), Tervuren, Belgium from 2nd April – 22nd June 2007.

4.0 Awards

- SWIOFP Component 5 Kenya Grant worth 865,000 to conduct a Rapid Bycatch Assessment (RBA) survey at Selected Fish landing beaches along the Kenya Coast. March 2012

- NCST ST&I Research Grant worth KShs 6,000,000.00 (Read six million only) as PI to conduct research on promoting small scale mariculture along Kilifi Creek Jan 2011
- Long Service Award, Moi University, Eldoret, Kenya. July 2007
- RMCA Scholarship for Training in Fishbase and Fish Taxonomy, Tevuren, Belgium. April 2007
- Research Grant (Can\$ 1 million) as a part of a team of scientists for the Tier II Project 603-T203-05 “Community-based Management of Aquatic Resources for Food & Income” Sep 2006
- Moi University Annual Research Grant (worth KShs 100,000.00) to conduct experimental studies on the African lungfish fishery in Lake Baringo. July 2006
- KVDA Consultancy to conduct feasibility study on fish introduction into the Turkwel Reservoir (worth KShs 300,000.00). Aug 2005:
- LVEMP Research Grant (worth KShs 115,000.00) for Field Collection of Lungfish Tissue samples for Genetic (mitochondrial DNA) Analysis. May 2004:

5.0 University Administration Experience

- i. Member, Research and Innovation Committee (on going)
- ii. Member, Pwani University Budget Committee (on going)
- iii. Member, Pwani University Senate
- iv. Member, Pwani University Deans Committee (on going)
- v. Member, Pwani University Statutes Committee (2013)
- vi. Member, Department of Biological Sciences Curriculum Committee (on going)
- vii. Member, Pwani University Tender Committee (on going)
- viii. Dean, School of Graduate Studies, October 2010 to date
- ix. Chairman, Dept of Biological Sciences, October 2009 – September 2010
- x. Chairman, Graduate Supervision Policy Committee December 2011-2013
- xi. Chairman, Pwani University Research Board, December 2010 - 2013
- xii. Chairman, Research Policy Development Committee
- xiii. Member, Curriculum Development Policy Committee
- xiv. Member, Publication Policy Committee, Dec 2011 - 2012
- xv. Member, Master Plan Reference Team, Pwani University College
- xvi. Member, Editorial Board of JEANARM, 2004 - 2009, MU
- xvii. Examinations Coordinator, School of NRM, 2005–2006, MU

- xviii. Member, NRM Research Committee, 2004 to July 2009, MU
- xix. Departmental Exams Coordinator: 1997 – 2000, 2004 - 2007, MU
- xx. Faculty Teaching Timetable Coordinator 1998-2000, MU
- xxi. Faculty Examinations Timetable Coordinator: 1998 – 2000, MU
- xxii. Member, University Timetable & Space Allocation Committee 1998-2000, MU

6.0 Peer Reviewed Scientific Publications

1. Mwakiti, S.M., Kaunda-Arara, B., **Mlewa, C.M.** and R.K. Ruwa (2015). Morphometric variation of the cutlassfish, *Trichiurus lepturus* (Linnaeus, 1758), on the Kenyan coast: Implications for stock identification and management. *In Review, African Journal of Marine Science. Manuscript ID TAMS-2015-0011*
2. Ani-Sabwa, J., **Mlewa, C.M.** and J.M. NJiru (2014). Effects of greenhouse and stocking density on growth and survival of the African catfish (*Clarias gariepinus* Burchell 1822) fry reared in high altitude Kenya regions. *International Journal of Science and Research* **3(9)**: 1558-1563.
3. **Mlewa, C.M.** (2013). Taxonomic study of *Barbus pellegrini* and *Barbus neumayeri* from the Lake Kivu-Lake Edward region in Eastern Africa. *African Journal of Ecology* **51**: 300-306.
4. Nyamweya, C.S., **Mlewa, C.M.**, Ngugi, C.C., Kaunda-Arara, B., Gichuki, J. Ojwang, W. and J. Ojuok (2012). Aspects of the biology and fishery of *Labeo cylindricus* (Pisces: Cyprinidae) in Lake Baringo, Kenya". *Lakes & Reservoirs: Research and Management*. **17**: 225-229.
5. Osuka, K.E. and **Mlewa, C.M.** (2012). Morphomeristic study of sympatric *Barbus* species from a man-made reservoir in upland Kenya. *African Journal of Ecology* **50(1)**: 53-59.
6. **Mlewa, C.M.**, Green, J.M. and Dunbrack, R. (2011). The General Natural History of the African Lungfishes. **In** Jorgensen, J.M. & Joss, J. (Eds). *The Biology of Lungfishes. Science Publishers*. ISBN: 978-1-57808-431-9. 530pp.
7. E.K. Mbaru, **C.M. Mlewa** and E. N. Kimani (2010). Length-weight relationship of 39 selected reef fishes in the Kenyan Coastal Artisanal Fishery. *Fisheries Research* **102**: 567-569
8. Gamoe, A. Kaunda-Arara, B. and **Mlewa C.M.** (2010). The influence of reef type and seasonality on population structure of coral reef fishes within Malindi Marine Park, Kenya. *Marine Ecology* **31**: 494-505

9. Agembe, S., **Mlewa, C.M.** and Kaunda-Arara, B. (2010). Catch composition, abundance and length-weight relationships of groupers (Pisces: Serranidae) from inshore waters of Kenya. *Wiomsa Journal of Marine Science* **9(1)**, 239-248
10. Nyamweya, C.S., **Mlewa, C.M.** Ngugi, C.C. and B. Kaunda-Arara (2010). Validation of daily growth of African catfish *Clarias gariepinus* (Burchell 1822) young-of-the-year from Lake Baringo, Kenya. *Lakes & Reservoirs: Research and Management* **15**, 341-345.
11. Nyamweya, C.S., **Mlewa, C.M.** Ngugi, C.C. and B. Kaunda-Arara (2010). Daily growth of young-of-the-year Baringo tilapia *Oreochromis niloticus baringoensis* (Trewavas 1983). *African Zoology* **45(1)**, 139-143
12. Ngugi, C.C., Manyala, J.O., Njiru, M. and **Mlewa, C.M.** (2009). Some aspects of the biology of the stargazer mountain catfish, *Amphilius uranoscopus* (Pfeffer); (Siluriformes: Amphiliidae) indigenous to Kenya streams. *African Journal of Ecology* **47**, 606-613.
13. **Mlewa, C.M.**, Green, J.M. and R. Dunbrack (2007). Are wild African lungfish obligate air breathers? Some evidence from radio telemetry. *African Zoology* **42(1)**, 131-134.
14. Garner, S., T.P. Birt, **C.M. Mlewa**, J.M. Green, A. Seifert and V.L. Friesen (2006). Genetic variation in marbled lungfish (*Protopterus aethiopicus*) in Lake Victoria and introduction to Lake Baringo, Kenya. *Journal of Fish Biology* **69(b)**, 189-199.
15. **Mlewa, C.M.** and J.M. Green (2006). Translocation of marbled African lungfish *Protopterus aethiopicus* (Teleostei: Protopteridae) and its fishery in Lake Baringo, Kenya. *African Journal of Aquatic Science* **31(1)**, 131-136.
16. Dunbrack, R., J.M. Green and **C.M. Mlewa** (2006). Marbled lungfish growth rates in Lake Baringo, Kenya, estimated by mark-recapture. *Journal of Fish Biology* **68**, 443-447.
17. **Mlewa, C.M.**, J.M. Green and A. Simms (2005). Movement and habitat use by the marbled lungfish *Protopterus aethiopicus* Heckel 1851 in Lake Baringo, Kenya. *Hydrobiologia* **537**, 229-238.
18. **Mlewa, C.M.**, J.M. Green and A. Simms (2004). Space utilization by the African lungfish in Lake Baringo: Some data from ultrasonic telemetry. In AARSE 2004: Proceedings of the 5th AARSE. UNEP, Nairobi, Kenya. CD ROM proceedings
19. **Mlewa, C.M.** and J.M. Green (2004). Biology of the marbled African lungfish *Protopterus aethiopicus* Heckel in Lake Baringo, Kenya. *African Journal of Ecology* **42**, 338-345.

7.0 Contribution at Scientific Conferences & Workshops

1. Mwakiti, S. B. Kaunda-Arara and **Mlewa, C.M.** (2013). Stock identification of the cutlassfish, *Trichiurus lepturus* (Linnaeus, 1758), on the Kenyan Coast using morphometric characteristics. *Poster presentation at the 8th WIOMSA Scientific Symposium Oct 28 – Nov 2, Maputo Mozambique*
2. **Mlewa C.M.** (2013) SWIOFP Component 5 Kenya. Mainstreaming biodiversity in national and regional fisheries management. A National Component 5 Achievement Report. *Oral presentation at the SWIOFP/KCDP Workshop, Continental Hotel, Mombasa. 21-22 March 2013.*
3. Machaku, R., Swaleh, K., **Mlewa, C.** and J. Karisa (2013). Post-nesting migration of the Green Turtles, *Chelonia mydas*; A case study of Vipingo, Kenya. *Poster presentation at the SWIOFP Donors Conference, Ledger Plaza Hotel, Dar es Salaam 1st March 2013.*
4. **Mlewa, C.**, Manyala, J., Ong'anda, H., Munga, C., Ruwa, R., Mwakiti, S. and K. Swaleh (2013). Examination of the impact of fishing on marine biodiversity using rapid bycatch assessment (RBA) in Kenya. *Poster presentation at the SWIOFP Donors Conference, Ledger Plaza Hotel, Dar es Salaam 1st March 2013*
5. Walakira, J.; Molnar, J.J. and **Mlewa C. M.** (2012). Prospects and potential of the African Lungfish *Protopterus* spp.: An alternative source of fish farming livelihoods in sub-Saharan Africa. *Paper presented at The World Aquaculture Society Aquaculture America 2012 Conference.*
6. Ngugi, C.C., and **C.M. Mlewa** (2011). Air Breathing Fishes of Kenya: The Case of Marbled African Lungfish (*Protopterus ethiopicus*). *Aquafish ACRSP Air Breathing Fishes Workshop, Marriot Hotel Hangqiao, Shanghai, April 2011.*
7. Nyamweya, C.S., **Mlewa, C.M.**, Ngugi, C.C. and B. Kaunda-Arara (2010). Validation of daily growth of African catfish *Clarias gariepinus* (Burchell 1822) young-of-the-year from Lake Baringo, Kenya. *Poster presentation at the 2nd Aquatic Resources of Kenya International Conference, Naivasha, Kenya 16-19 November 2010.*
8. **Mlewa, C.M.** (2010). The Lake Baringo Kamongo *Protopterus aethiopicus*: what we know about them. *Paper presented at the First Lake Baringo Stakeholders workshop held at Soi Safari Lodge, KYS, from 18th - 20th March 2010.*

9. Nyamweya, C.S., **C.M. Mlewa** and C.C. Ngugi (2010). An assessment of age and growth of the Baringo tilapia (*Oreochromis niloticus baringoensis*) from Lake Baringo, based on otolith counts. *Paper presented at the 4th Annual Moi University International Scientific Conference, Eldoret, Kenya. July 29th - 2nd August 2008.*
10. Agembe, S., **C.M. Mlewa** and B. Kaunda-Arara (2009). Some aspects of the biology and fishery of groupers (Teleostei, Serranidae) in inshore waters of South Coast Kenya. *Poster presented at the Sixth WIOMSA Scientific Symposium held at the L'Université de la Réunion in Saint Denis, Réunion Island, from 24th – 29th August 2009*
11. Nyamweya, C.S., **C.M. Mlewa** and C.C. Ngugi (2009). Age and growth parameters of *Barbus intermedius australis* from Lake Baringo determined using their otolith microstructure. *Paper presented at 5th Annual International Conference, Moi University, 4th – 8th Aug. 2009, Eldoret, Kenya*
12. Ani, J.S., **C.M. Mlewa** and J.M. Njiru (2009). The effect of greenhouse and stocking densities on growth and survival rates of African catfish (*Clarias gariepinus*) reared at high altitude region. *Paper presented at 5th Annual International Conference, Moi University, 4th – 8th Aug. 2009, Eldoret, Kenya*
13. Nyamweya, C.S., **C.M. Mlewa**, C.C. Ngugi and B. Kaunda-Arara (2009). Age validation and growth of redeye labeo, *Labeo cylindricus* Peters 1852 from Lake Baringo, Kenya. *Paper presented at the 5th Annual International Conference, Moi University, 4th – 8th Aug. 2009, Eldoret, Kenya*
14. **Mlewa, C.M.**, D.O. Were and C.C. Ngugi. (2008). Growth of the marbled lungfish *Protopterus aethiopicus* in earthen pond culture. *Paper presented at the 4th PAFFA Conference held at Addis Ababa University, Ethiopia, 21 – 26th September 2008.*
15. Nyamweya, C.S., **C.M. Mlewa** and C.C. Ngugi (2008). Age and growth parameters of exploited native fish species in Lake Baringo, Kenya. *Paper presented at 4th PAFFA Conference held at Addis Ababa University, Ethiopia, 21 – 26th September 2008.*
16. Agembe, S., **Mlewa, C.M.** and B. Kaunda-Arara (2008). Reproductive activity of Groupers in Coastal Kenya: Is there evidence for spawning aggregations? *Paper presented at the 4th PAFFA Conference held at Addis Ababa University, Ethiopia, 21 – 26th September 2008.*

17. Nyamweya, C.S., **C.M. Mlewa** and C.C. Ngugi (2008). Validation of age and growth for the Baringo tilapia (*Oreochromis niloticus*) and African catfish (*Clarias gariepinus*). *Paper presented at 4th Annual International Conference, Moi University 29th July – 1st Aug 2008*
18. Gamoe, A., B. Kaunda-Arara and **C.M. Mlewa** (2008). The influence of reef structure and seasonality on abundance of coral reef fishes within Malindi Marine Park. *Paper presented at 4th Annual International Conference, Moi University 29th July – 1st Aug 2008*
19. Green, J.M., **C.M. Mlewa** and R. Dunbrack (2006). Are African lungfish obligate air-breathers? Rates of aerial respiration in *Protopterus aethiopicus*. *Poster presented at the VII International Congress on the Biology of Fish, St. John's, NF, Canada July 18-22, 2006.*
20. **Mlewa C.M.**, D.W. Ogolla and C.C. Ngugi (2005). Towards the Recruitment of Marbled Lungfish (*Protopterus aethiopicus*) into Aquaculture in the Lake Victoria Basin: Some Preliminary Results of Culture Trials at the Chepkoilel Fish Farm, Kenya. *Paper presented at the 2nd National LVEMP Scientific Conference, Tom Mboya Labour College, Kisumu. 17th – 19th October, 2005.*
21. **Mlewa, C.M.**, J.M. Green and A. Simms (2004). Space utilization by the African lungfish in Lake Baringo: Some data from ultrasonic telemetry. *Paper presented at the 5th African Association of Remote Sensing of the Environment Conference. UNEP, Nairobi, Kenya. 17th – 22 October 2004.*
22. **Mlewa, C.M.** & J.M. Green (2004). Growth and reproduction of the African lungfish in Lake Baringo, Kenya. *Poster presented at the 4th World Fisheries Congress: Vancouver, BC. 2nd - 6th May 2004.*
23. Ngugi, C.C. and **Mlewa C.M.** (2004). Potential for African Catfish, *Clarias gariepinus* Production as Bait fish for Lake Victoria Fishery. *Paper presented at the Community Sensitization Workshop, Capacity Building, Funded by the World Bank, LVEMP*
24. **Mlewa, C.M.** and J.M. Green (2001). Biology of the lungfish (*Protopterus aethiopicus*) in Lake Baringo, Kenya: A Progress Report. *Poster presented at the Annual Conference of the American Society of Ichthyologists and Herpetologists, USA. July 2001.*
25. **Mlewa, C.M.** and D.H. Steele (1996). Growth and feeding of underyearling Brown trout (*Salmo trutta* L.) from two headwater streams on the Avalon Peninsula,

Newfoundland. *Poster presented at the 35th Annual Conference of the Canadian Society of Zoologists, St. John's, Newfoundland, Canada.*

26. **Mlewa, C.M.** and D.H. Steele (1995). Growth and feeding ecology of juvenile Brown trout (*Salmo trutta*, L.) in disturbed and undisturbed stream environments. *Paper presented at the 1st Pan-African Fisheries Congress at Unep Hq. Nairobi, Kenya.*

8.0 Selected Technical Reports

1. **Mlewa, C.M.**, Mwakumanya, M.A., Tunje, J.G., Mirera, D.O, Nyaga, W.K. and Bett, D.K. (2014). Second Midterm Review Report for the Project: Enhancing Food Security among Coastal Fisher Communities: Promoting Small Scale Mariculture Technologies along Kilifi Creek. Submitted July 2014.
2. **Mlewa C.M.** (2012). SWIOFP Component 5 Kenya. Mainstreaming biodiversity in national and regional fisheries management. A Progress Report since Maputo 2011 meeting. Submitted to National Focal Point – Kenya. April 2012.
3. Manyala, J.O., **Mlewa C.M.** and Swaleh, K. (2012). Rapid Bycatch Assessment Survey at selected fish landing beaches along the Kenya Coast. Report submitted to Dr. Jeremy Kizska, RBA Consultant SWIOFP Project April 2012
4. **Mlewa, C.M.** (2012) Enhancing Food Security among Coastal Fisher Communities: Promoting Small Scale Mariculture Technologies along Kilifi Creek. Fourth Quarter Report Prepared and submitted to the National Council for Science and Technology – April 2012
5. Mwakumanya, M.A., Tunje, J.G. and **Mlewa, C.M.** (2011). Environmental Impact Assessment (EIA) Project Report for the Proposed Mariculture Project at Kibokoni along Kilifi Creek.
6. Agembe, S., **C.M. Mlewa** and B. Kaunda-Arara (2009). Some aspects of the biology and fishery of groupers (Teleostei, Serranidae) in inshore waters of South Coast Kenya. *Poster presented at the Sixth WIOMSA Scientific Symposium held at the L'Université de la Réunion in Saint Denis, Réunion Island, from 24th – 29th August 2009*
7. **C. Mlewa**, J. Manyala, E. Mbaru, James Macharia and S. Ngete (2009). Data Summary and National Gap Analysis Report for Component 5: Biodiversity – Kenya. May 9th -10th 2009; 14p.
8. R.P.van der Elst (S. Africa); M.D. Devi, V.S. Soondron (Mauritius); P. Santana Afonso (Mozambique); **C. Mlewa** (Kenya); B. Kamardine (Comoros); H.

- Razafindrainibe (Madagascar); R. Crawford (South Africa); J. Bourjea and J. Kiszka (France); G.K. Yona (Tanzania); R. Payet and R.A. Quatre (Seychelles) (2009). Regional Data Gap Analysis Report for Component 5: Biodiversity; Albion, Mauritius 4th - 6th August 2009; 30p
9. Hermann, J., Ngugi, C.C. and **Mlewa, C.M.** (2005) Draft Application to Internationella Programkontoret (International Programme Office, IPO), a part of SIDA for Exchange Programme Linnaeus- Palme. Collaboration between Moi University and Karmer University, Sweden. *Funding Granted in June 2006*
 10. **Mlewa, C.M.** (2005) Evaluation Report on the Manuscript of the Book entitled: Freshwater Ecosystems and Fisheries in Ethiopia. *Assessment Report to Longhorn Publishers. Oct.2005*
 11. Ngugi, C.C., **C.M. Mlewa** and J. Manyala. (2005) Feasibility study on fish introduction in Turkwel Gorge Reservoir. *Consultancy Report for Kerio Valley Development Authority (KVDA). Nov. 2005.*

9.0 Journal Reviewer and Editorial Experience

Have reviewed articles for publication in several peer- reviewed Journals including:

1. International Journal of Fisheries and Aquaculture
2. Marine and Freshwater Research
3. African Journal of Food Science
4. Ethiopian Journal of Biological Sciences
5. Journal of East African of Natural Resources Management
6. 4th Moi University Annual International Conference Proceedings
7. Book Review for publication - Longhorn Publishers Kenya Ltd
8. Research grant proposal under the Kenyan–South African research partnership programme bilateral agreement

10.0 Community Service

1. Mace Bearer, Award of Charter and First Graduation Ceremony, PU
2. CUE Quality Assurance Peer Reviewer
3. Member, Board of Management, Malindi High School

11.0 Workshops Attended (2012 to date)

11-12 Nov 2014 CUE External Peer Reviewers' Training, KSMS, Nairobi

23 Mar 2014	JSPS Fellowships Sensitization Workshops, PU
28-29 Oct 2013	CUE Stakeholders Workshop on Regulations & Standards, KSMS
7 th May 2013	CAJ Public Complaints Handling Training Workshop, PU, Kilifi
21-22 Mar 2013.	SWIOFP/KCDP Briefs meeting, Continental Hotel, Mombasa.
19–20 Mar 2013	CAS Planning Workshop, CDA Wananchi Cottages, Kilifi
1 st Mar 2013	SWIOFP Donors' Awareness Conference, Ledger Plaza Hotel, TZ
27-28 Feb 2013	SWIOFC Special Session, Ledger Plaza Hotel, Tanzania.
25-26 Feb 2013	SWIOFP 6 th Session of Regional Policy and Steering Committee Meeting, Ledger Plaza Beach Hotel, Dar-es-Salaam, Tanzania.
15 th Jan 2013	KCDP Mariculture Stakeholders Workshop, PUC, Kilifi
10 –15 Dec 2012	SWIOFP Regional Fisheries Atlas Workshop, Mombasa
02 –08 Dec 2012	IUCEA Quality Assurance Workshop, Dar-es- Salaam
22 nd Nov 2012	Kenya Strategic Action Program (SAP) for the WIO Region, National Consultation Meeting, Kemfri, Mombasa
17 – 22 Jun 2012	Quality Assurance Coordinators Training Course, Nairobi
22 – 23 May 2012	Workshop for Quality Assurance Officer for HEI, CHE HQs,
24 - 27 Apr 2012	Higher Education Management Training, MMUC, Nairobi
07 – 09 Mar 2012	Rapid Bycatch Assessment Training, KMFRI, Mombasa

12.0 Membership in Professional Societies

1. WIOMSA – Western Indian Ocean Marine Science Association
2. ESEA – Ecological Society of East Africa

13.0 Referees

1. Prof. Charles C. Ngugi PhD, Fisheries Secretary, Ministry of Fisheries Development, P.O. Box 58187-00200 Nairobi, Kenya
2. Prof. Lazare Etiegni PhD, Dept of Forestry & Wood Science, University of Eldoret, P.O. Box 1125 Eldoret, Kenya
3. Prof. Muniru Khamis Tsanuo PhD, Deputy Vice Chancellor, (Research and Extension), Pwani University, P.O. Box 195 80108, Kilifi, Kenya.