

Curriculum Vitae



Prof. Mlewa Chrisestom Mwatete Ph.D

Professor & Dean, School of Graduate Studies,
Pwani University, P.O. Box, 195-80108, Kilifi, Kenya.
Email:; m.mwatete@pu.ac.ke,

1.0 Biodata

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

2.0 Education Profile

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

Thesis Title: Biology of the African lungfish *Protopterus aethiopicus* Heckel 1851,
and some aspects of its fishery in Lake Baringo, Kenya.
Supervisor: Prof. John M. Green PhD

1994 - 1996 M.Sc. (in Biology), Memorial University, Newfoundland, Canada.

Thesis Title: A comparative study of the growth and feeding habits of
underyearling (0+) Brown trout (*Salmo trutta* Linn.) in disturbed and
undisturbed stream habitats in the Avalon Peninsula.
Supervisor: Prof. Donald H. Steele PhD

1985 - 1988 B.Sc. (Hons). Moi University, Eldoret, Kenya.

Dissertation Title: Some observations on the food habits of the Sitatunga
(*Tregelaphus spekei*) in Saiwa Swamp National Park, Kenya.
Supervisor: Dr. S.J.A. Sumba PhD

3.0 University Teaching, curriculum development and Supervision of Students

3.1 Teaching Experience

Currently serving as a Professor in Department of Biological Science, Pwani University; with over 25 years teaching experience. Have taught several undergraduate and postgraduate level courses, including participation in development of curricula at undergraduate and graduate levels. Have supervised undergraduate and graduate student research and writing of dissertation and theses

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 3rd 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 to successful completion Masters and PhD several postgraduate students. Currently supervising several postgraduate students research and writing of thesis. In addition, have 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

1. Mohamed, Athman Mohamed (2017). Bycatch assessment of elasmobranchs, marine mammals and sea turtles in the Kenya coast fisheries. MSc Fisheries Science, Pwani University. *Data Analysis*
2. Mrombo, Nathan Lenjo (2016). Stock status and some aspects of the biology of the Pinkear Emperor (*Letrinus letjan* Lacepede 1802) in south coast, Kenya. MSc Fisheries Science, Pwani University. *Data Analysis*

3. Kimani Patrick (2017). Value chain analysis of small-scale marine fisheries at selected sites along Kenya's coast. PhD Fisheries, Pwani University. *Proposal Writing thesis*
4. Katello, Jillo (2017). Aspects of biology and ecology of coconut crab, *Birgus latro* (Linnaeus) on islands in Kisite Mpunguti area. MSc Environmental Science, Pwani University. *Data Analysis*
5. Odongo, Victor Otieno (2017). Evaluation of carbon sequestration in seagrass meadows of Malindi Marine Park, Kenya. MSc Environmental Science, Pwani University. *Writing thesis*
6. Mutiso, Josephine (2017). Coral-algal phase shift in Kenya's coral reef ecosystem: the case of Kisite-Mpunguti Marine Conservation Area. MSc Environmental Science, Pwani University. *Writing thesis*
7. Bett, David K. (2017). Impact of ring net fishery on fishes and their habitats along the Kenyan coast. MSc Environmental Science, Pwani University. *Writing thesis*
8. Mwangudza, Petronilla Masika (2016). Characterization of fisheries resources in water reservoirs of the solar salt works in Ungwana Bay Kenya. MSc Fisheries, Pwani University. *Graduated September 2016*
9. Anam, Rashid O. (2016). Some Aspects of the Taxonomy and Biology of Rabbitfishes in Kenyan Inshore waters. MSc Fisheries, Pwani University. *Graduated September 2016.*
10. Anyango, James O. (2015). Influence of seaweed farming on the diversity and abundance of wild fisheries resources in Kibuyuni, south coast, Kenya. MSc Fisheries, Pwani University. *Graduated September 2016.*
11. 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 Supervisor**). *Graduated December 2013*
12. 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 Supervisor**). *Graduated December 2013*
13. Abigael 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 Supervisor**), *Graduated December 2011*

14. 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 Supervisor)**, *Graduated December 2011*
15. 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 Supervisor)**, *Graduated December 2011*
16. Agembe, Simon Were (2009). Some aspects of the biology and fishery of groupers (Teleostei; Serranidae) in inshore waters of south coast, Kenya. **(MSc Thesis Supervisor)**, *Graduated December 2009*
17. Nyamweya, Chrispine Sangara 2009. Age and Growth Parameters of commercially exploited native fish species in Lake Baringo. **(MSc Thesis Supervisor)**, *Graduated December 2009*
18. Gamoe, Albert (2008). Temporal variation in larval supply and catch rates of reef fishes in Malindi Marine Park, Kenya. **(MSc Thesis Supervisor)**, *Graduated December 2008*

3.3.2 Postgraduate Theses Examination

1. Obota, Clay O. (2016). Reproductive biology and body condition of exploited populations of Emperor Angelfish *Pomacanthus imperator* along the Kenyan coast. Pwani University. **(MSc. Thesis, Internal Examiner)**
2. Morogo, Francisca Chelagat (2016). Effects of wheat bran and chicken maure on growth performance of milkfish (*Chanos chanos* Forskal 1775) fingerlings in mariculture ponds. University of Eldoret. **(MSc. Thesis, External Examiner)**
3. Mwakosya, Catherine Adam (2016). Abundance, distribution and reproductive biology of two selected Penaeid Prawns In Tanzanian waters. University of Dar es Salaam. **(PhD Thesis, External Examiner)**.
4. Mshana, Johnson Grayson (2015). Genetic structure and life history of *Euthynnus affinis* Cantor (1849) and *Scomberomorus commerson* Lacepede (100) Fishes in the Northern Coastal waters of Tanzania. University of Dar es Salaam. **(PhD Thesis, External Examiner)**.
5. Chemoiwa, Emily Jepyegon (2014). Morphometric, population genetics structure and phylogenetic studies of *Barbus altianalis* (Boulenger 1900) populations in Lake Victoria watershed. University of Eldoret **(PhD Thesis, External Examiner)**.

6. Achieng, Alfred Otieno (2013). Integrated Assessment of the Health of River Sosiani, Kenya. University of Eldoret. **(MSc. Thesis, External Examiner)**
7. Machaku, Rose Bahati (2013). Nesting Ecology of the Green turtle, *Chelonia mydas* (Linnaeus, 1758) in coastal Kenya. University of Eldoret. **(MSc. Thesis, External Examiner)**.
8. Gichana, Zipporah Moraa (2013). Effects of human activities on water quality and Biota along Nyangores Stream, Mara River basin, Kenya University of Eldoret. **(MSc. Thesis, External Examiner)**.
9. Karisa, Juliet Furaha (2008). Temporal and spatial patterns in recruitment of juvenile corals on lagoonal reefs in coastal Kenya **(MSc Thesis, Internal Examiner)**
10. Mugo, James Bundi (2008). Effect of varying dietary protein levels on reproductive performance of Nile tilapia (*Oreochromis niloticus*) reared in earthen ponds **(MSc Thesis, Internal Examiner)**
11. Omukoto, Johnstone Omuhaya (2007). Development of a preliminary fish index of biotic integrity for bioassessment of Lakes Kanyaboli and Sare, Lake Victoria basin, Kenya. **(MSc Thesis, Internal Examiner)**
12. Opa, Benard Onyango (2006). Bioassessment of constructed wetlands using macroinvertebrates and nutrient removal by two macrophytes; *Cyperus papyrus* L. and *Echinochloa pyramidalis* L. at Chemilil Sugar. **(MSc Thesis, Internal Examiner)**
13. Mboya, David Auma (2005). Feeding ecology of *Barbus spp.* (Cuvier and Cloquet 1816) (Pisces: Cyprinidae) in River Nyando Floodplain, Lake Victoria. **(MSc Thesis, Internal Examiner)**
14. Rauni, John Gitonga (2005). Survival and growth of African catfish (*Clarias gariepinus* Burchell 1822) fry reared at different shading levels. **(MSc Thesis, Internal Examiner)**
15. Omwansa, Kebati Daniel (2004). Growth and survival of the African catfish *Clarias gariepinus* fry reared at different stocking densities in tanks. **(MSc Thesis, Internal Examiner)**

3.4 University Administration Experience

Have served in several administrative capacities such as a timetable coordinator, examinations coordinator, chairman of department and Dean of School of Graduate studies as detailed below

3.4.1 At Pwani University

- i. Dean, School of Graduate Studies, October 2010 to date
- ii. Member, Pwani University Senate (on going)
- iii. Member, Pwani University Deans Committee (on going)
- iv. Member, Research and Innovation Committee (on going)
- v. Member, Pwani University Budget Committee (on going)
- vi. Member, Pwani University Statutes Committee (2013)
- vii. Member, Department of Biological Sciences Curriculum Committee (on going)
- viii. Member, Pwani University Tender Committee (2013-2066)
- ix. Chairman, Dept of Biological Sciences, Oct 2009 . Sept 2010
- x. Chairman, Graduate Supervision Policy Committee December 2011 to date
- xi. Chairman, Pwani University Research Board, December 2010 to date
- xii. Chairman, Research Policy Development Committee
- xiii. Member, Curriculum Development Policy Committee
- xiv. Member, Publication Policy Committee, Dec 2011 to date
- xv. Member, Master Plan Reference Team, Pwani University College

3.4.2 At Moi University (Nov 1989 – June 2009)

1. Member, Editorial Board of JEANARM, 2004 to July 2009
2. Examinations Coordinator, School of NRM, July 2005 . July 2006
3. Member, School of NRM Research Committee, 2004 to July 2009
4. Departmental Examinations Coordinator: 1997 . 2000, 2004 to 2007
5. Faculty Teaching Timetable Coordinator 1998-2000
6. Faculty Examinations Timetable Coordinator: 1998 - 2000
7. University Timetable and Space Allocation Committee member: 1998 - 2000

4.0 Research Interests and Experience

Currently involved in research with my postgraduate students on various topics including stock status and biology of *Letrinus letjan*, value chain analysis of small-scale marine fisheries, biology and ecology of coconut crab, evaluation of carbon sequestration in seagrass meadows in Malindi Marine Park, coral-algal phase shift in Kenya's coral reef ecosystem, Impact of ring net fishery, and characterization of fisheries resources in the lower Tana Delta.

Other research undertaken:

- National Coordinator of Component 5 on Biodiversity Mainstreaming; The Regional Project South West Indian Ocean Fisheries Project (SWIOFP)
- Principal Investigator (PI) of NACOSTI funded project: Enhancing Food Security among Coastal Fisher Communities: Promoting Small Scale Mariculture Technologies along Kilifi Creek.
- As PI in the NACOSTI 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 morphomeristic 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.

5.0 Awards

Mar 2012	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, as co-researcher.
Jan 2011	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
July 2007	Long Service Award, Moi University, Eldoret, Kenya
Apr 2007	RMCA Scholarship for Training in Fishbase and Fish Taxonomy
Sep 2006	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+

- July 2006: Moi University Annual Research Grant (worth KShs 100,000.00) to conduct experimental studies on the African lungfish fishery in Lake Baringo.
- Aug 2005: KVDA Consultancy to conduct feasibility study on fish introduction into the Turkwel Reservoir (worth KShs 300,000.00).
- May 2004: LVEMP Research Grant (worth KShs 115,000.00) for Field Collection of Lungfish Tissue samples for Genetic (mitochondrial DNA) Analysis.

6.0 Peer Reviewed Scientific Publications

1. Mwakiti, S.M., Kaunda-Arara, B., **Mlewa, C.M.** and R.K. Ruwa (2016). Morphometric variation of the cutlassfish, *Trichiurus lepturus* (Linnaeus, 1758), on the Kenyan coast: Implications for stock identification and management. *African Journal of Marine Science* **38(1)**: 49-56.
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. Imo, M., Ipara, H., Etiegni, L., **Mlewa, C.M.**, Njiru, J.M. and K.B. Balozzi (Eds.) (2010). Natural Resource Management for Improved Livelihoods: *Proceedings of the 4th Annual Moi University International Scientific Conference, Eldoret, Kenya.*
12. 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
13. 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.
14. **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.
15. 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.
16. **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.
17. 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.
18. **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.

19. **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
20. **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. Mwangudza, P.M., **Mlewa, C.M.** (2016). Characterization of fisheries resources for water reservoirs of the solar salt works in Ungwana Bay Kenya. *Paper presented at the KCDP Conference, Voi, Kenya.*
2. Kimani, P., **Mlewa, C.M.**, Wamukota, A. and Manyala, J.O. (2015). Influence of local fish grading systems in value chain structure differentiation. *Paper Presented at the WIOMSA Symposium, October 26-30th, South Africa.*
3. Odongo, V.O., Mwakumamnya, M.A., **Mlewa, C.M.** and Asmus, H. (2016). Evaluation of carbon sequestration in seagrass meadows of Malindi Marine Park and Reserve, Kenya. *Paper Presented at the WIOMSA Symposium, October 26-30th, South Africa.*
4. 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*
5. **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.*
6. 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.*
7. **Mlewa, C.**, Manyala, J., Onganda, 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*

8. 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.*
9. 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.
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. *Poster presentation at the 2nd Aquatic Resources of Kenya International Conference, Naivasha, Kenya 16-19 November 2010.*
11. **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.*
12. 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.*
13. 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*
14. 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*
15. 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*
16. 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*
17. **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.*
 18. 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.*
 19. 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.*
 20. 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*
 21. 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*
 22. 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.*
 23. **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.*
 24. **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.*

25. **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.*
26. 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*
27. **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.*
28. **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.*
29. **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

10.0 Community Service

1. Programme Reviewer, Commission for University Education
2. Member, Board of Management, Malindi High School
3. Mace Bearer, Award of Charter to PU
4. Mace Bearer, First Graduation Ceremony, PU

11.0 Membership in Professional Societies

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

12.0 Referees

1. Prof. James Kahindi PhD, Deputy Vice Chancellor (ASA), Pwani University, P.O. Box 195 80108, Kilifi, Kenya
2. Prof. Muniru Tsanuo PhD, Deputy Vice Chancellor (R&E), Pwani University, P.O. Box 195 80108 Kilifi, Kenya
3. Prof. Charles C. Ngugi PhD, EBS, P.O. Box 101040-00101 Nairobi, Kenya