

DR. BERNERD MULWA FULANDA (PH.D.)**Curriculum Vitae****Personal information**

First name(s)/Surname(s) **Bernerd Mulwa FULANDA**

Address (es) Pwani University P. O. Box 87884,
Department of Biological Sciences, Mombasa,
P. O. Box 195-8018, Kilifi - KENYA KENYA

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E-mail bernfulanda@yahoo.com / b.fulanda@pu.ac.ke

Nationality Kenyan

Date of birth 21/04/1971: Gender - Male

Work experience

Dates 2017 - Present

Occupation/ position **Senior Lecturer – Marine Biology/Ecology, Fisheries & Oceanography**

Dates 2013 - 2016

Occupation/ position held **Lecturer - Marine Biology/Ecology, Fisheries & Oceanography**

Main activities and responsibilities Marine Sciences; Marine Biology, Ecology, Ecology & Management of Marine/freshwater Fisheries, Reservoir Management, Research Methodology/Biostatistics, Oceanography at Undergraduate and Graduate levels. Supervision of Masters and PhD Projects, Examination of Student Dissertations, and Research.

Name and address of employer Pwani University - Kilifi
P.O. Box 195-80108, Kilifi, KENYA
E-mail : vc@pu.ac.ke
Web: <http://www.pu.ac.ke>

Institution /position held Adjunct / Part-time Lecturer, Kenyatta University – Mombasa Campus

Main activities and responsibilities Lecturer, Coastal and Marine Resource Management: Research Methods and Biostatistics; B.Sc. 4th Year Research Projects

Address of Institution Kenyatta University, Mombasa Campus; P.O. Box 16778-80100
Nkrumah Road, Mombasa, Tel: +254(041)2318975/8973/8976
Email: mombasa@ku.ac.ke / Website: www.ku.ac.ke

Type of business or sector Academic and Research

Work experience

Dates 2012 - 2013

Occupation/position held Research Officer I – Fisheries

Main activities and responsibilities Conduct research in Marine Biology, Ecology, Fish population dynamics, Fish stock assessment and Fisheries management, Modelling, Fisheries Monitoring Control and Surveillance, Marine Fisheries Surveys, Supervision of Student Projects at Under- and Graduate level. Research/Implementation of KCDP-GEF/WB/GOK project

Name and address of Kenya Marine & Fisheries Research – Mombasa Station

employer	P. O. Box 81651-80100, Mombasa / Hq, KENYA Tel: +254 (041)475151/4 Fax: +254 (041) 475157 Email: director@kmfri.co.ke Web: http://kmfri.co.ke
Type of business or sector	Research and Development (R&D)
Work experience	
Dates	2005-2012
Occupation/ position held	Research Officer II – Fisheries
Main activities and responsibilities	Conduct research in Marine Biology, Ecology, Fish population dynamics, Fish stock assessment and Fisheries management, Modelling, Fisheries Monitoring Control and Surveillance, Marine Fisheries Surveys, Supervision of Student Projects at Under- and Graduate level, Research/Implementation of SWIOFP – Kenya project
Name and address of employer	Kenya Marine & Fisheries Research – Mombasa Station P. O. Box 81651-80100, Mombasa / Hq, KENYA Tel: +254 (041)475151/4 Fax: +254 (041) 475157 Email: director@kmfri.co.ke Web: http://kmfri.co.ke
Type of business or sector	Research and Development (R&D)
Work experience	
Dates	2000-2004
Occupation/position held	Fisheries Officer I – Fisheries
Main activities/ responsibilities	Conduct research in Freshwater Aquaculture, Aquaculture Pond Dynamics, Fish Breeding, Fish Nutrition and Feeds, Fish Marketing, Integrated Aquaculture-Agriculture Systems, Reservoir Fisheries & Cage Fish Culture, Development of Extension and Outreach Programs, Education to Schools, Universities and Community Groups.
Name/ address of employer	State Department of Fisheries – National Aquaculture Research, Development and Training Centre, Sagana Centre P.O. Box 26-10230, Sagana/P.O. Box 58187-00100, Nairobi, KENYA Tel: +20-3742320/49 Fax: +Email: samaki@saamnet.com Web: http://kilimo.co.ke
Type of business or sector	Research and Development (R&D)
Work experience	
Dates	1997-2000
Occupation/ position held	Fisheries Officer II – Fisheries / Head, Mariculture Center.
Main activities and responsibilities	Conduct research in Shrimp Mariculture, Tidal Pond Dynamics, Breeding, Nutrition and Feeds, Marketing, Integrated Systems, Marine Fish Cage Culture, Development of Extension and Outreach Programs, Education to Schools, Universities and Community Groups.
Name and address of employer	State Department of Fisheries – National Aquaculture Research, Development and Training Centre, Ngomeni Centre P.O. Box 12, Malindi / P.O. Box 58187-00100, Nairobi, KENYA Tel: +20-3742320/49 Fax: +Email: samaki@saamnet.com Web: http://kilimo.co.ke
Type of business or sector	Administration, Research and Development (R&D)
Work experience	

Dates	1995-1997
Occupation/position held	BOG-Teacher, Sciences / Head of Dept-Science
Main activities and responsibilities	Teaching of Mathematics, Chemistry and Biology in Form 2-4, Cordination of Research, Students Science Congress and Department of Science Programs /Annual Planning.
Name and address of employer	Mazeras High School, P.O. Box 4-80114, Mazeras Township, Kwale, KENYA Telephone: +254-41-2229870
Type of business or sector	Administration, Academic/ Education
University Assignments	
2015	Member, Committee to Launch Oceanography Program, Pwani University
2014	Member, Pwani University Strategic Plan Committee 2014-2014
2014	Member, Board of Graduate Studies – School of Pure and Applied Sciences
2013 - Present	Curriculum development for Dept of Marine Sciences and Oceanography.
2014-Present	Department of Biological Sciences, Examinations Coordinator
2013-2014	Department of Biological Sciences, Assistant Examinations Coordinator
Education and training	
Dates	2009-2012
Qualification awarded	Ph.D.
Principal subjects /occupational skills	i) Thesis Title: Biomass estimation and trophic analysis of fish and shellfish in Kagoshima Bay, southern Japan ii) Design and Standardization of Fisheries Survey Protocols, Fishing Gear behaviour & Modelling, Fish Density and Biomass Estimations, Fish Stock Assessment, iii) Decision and Risk Analysis in Fisheries Management, Resource Economics, Marine Environmental Sampling and Monitoring, Spatial Mapping, Stable Isotope Techniques, Trophic Analysis, Ecosystem.
Name and type of organisation providing education and training	United Graduate School of Agricultural Sciences – Kagoshima University, Japan Shimoarata 4-50-20, Kagoshima 890-0056, JAPAN. Tel: +81-99-286-4111 Fax+81-99-286-4015 E-mail: fsomu@kuas.kagoshima-u.ac.jp Web: http://www.fish.kagoshima-u.ac.jp/
Education & training	
Dates	2007-2009
Qualification awarded	Master of Science (Fisheries)
Principal subjects /occupational skills	i) Standardization of Fishing Gear, Fish Stock Assessment, Density and Biomass Estimations, Species identification, Oceanography, Current & Fishing Gear Behaviour, Statistical Software & Biostatistics. ii) Thesis Title: Biomass estimation for fish and shellfish from experimental trawl surveys: case of the semi-enclosed deeper water Kagoshima Bay, southern Japan
Name and type of organisation providing education and training	Graduate School of Fisheries – Kagoshima University, Japan Shimoarata 4-50-20, Kagoshima 890-0056, JAPAN. Tel: +81-99-286-4111 Fax+81-99-286-4015 E-mail: fsomu@kuas.kagoshima-u.ac.jp Web: http://www.fish.kagoshima-u.ac.jp/
Education & training	
Dates	2001-2003

Qualification awarded	Master of Science (Environmental Science & Technology)
Principal subjects /occupational skills	Major – Environmental Technology, Limnology & Wetland Ecosystems, Environmental monitoring & Surveys, Pond Dynamics & Aquaculture, Fish Breeding, Feeds, Enterprise Budgets and Economic Analysis.
Name and type of organisation providing education and training	UNESCO-IHE Institute for Water Education Westvest 7, 2611 AX Delft, The Netherlands Tel.: +31152151715, Fax: +31152122921 Web: http://www.unesco-ihe.org/
Education & training	
Dates	1990-1995
Qualification awarded	Bachelor of Science (Fisheries)
Principal subjects /occupational skills	Major: Biology, Ecology, Fisheries, Aquaculture Minor: Research methods, Biostatistics, Computer Applications
Name and type of organisation providing education and training	MOI University (Chepkoilel Campus) P. O. Box 1125-30100, Eldoret, KENYA Fixed: +254 (0)53 43363 / 43620 Email: vc@mu.ac.ke Web: http://www.mu.ac.ke
Training Workshops	
June 2013-June 2014	International Training Programme on Integrated Sustainable Coastal Development ISCD 2013B – SIDA, Sweden/Tanzania/Kenya.
6 th -8 th March, 2013	PAERIP (Promoting African European Research Infrastructure Partnerships) Workshop, Brussels, Belgium.
19 th November, 2012	National Environment Management Authority – EIA / ESIA/EA Lead Expert Certification, Nairobi, Kenya.
22-26 th October, 2012	UNESCO-IHE: Developments in Water Quality Monitoring, Butare, Rwanda.
16 th -18 th October, 2012	PAERIP (Promoting African European Research Infrastructure Partnerships) Workshop, London, UK
8 th -10 th August, 2012	East African Community – Europe Food Security Symposium EU-FP7: Food, Agriculture and Fisheries, and Biotechnology (FAFB) Research, Arusha, Tanzania.
22 nd -24 th October, 2008	Marine Explorer GIS training Program, Environmental Simulation Laboratory, Kawagoe; Japan.
15 th -26 th August, 2005.	Economic Tools for Ecosystem Conservation, Conservation Strategy Fund, Stanford Univ., California, USA.
16 th May-9 th June, 2005	Aquaculture Production & Management, Fac. Agriculture, The Hebrew University of Jerusalem, Rehovot, Israel.
2 nd Apr. -27 th Sept., 2002	Post Graduate Training Course in Limnology (IPGL), Inst. For Limnology, Mondsee, Austria.
12 th -16 th October, 1998	Integrated Coastal Zone Management (ICZM), Kenya Wildlife Service Centre, Malindi, Kenya
3 rd -14 th March, 1997	Fisheries Management, Administration and Legislation, Kenya Wildlife Service Training Institute, Naivasha, Kenya
Conferences/Seminars/ Meetings	
26 th -30 th March, 2016	Regional Training Workshops in Negotiating Fair and Sustainable Fisheries Access Agreements (FAA) In Africa – West & Central Africa; Dakar, Senegal (AU-IBAR, Resource Person / Trainer)
21 st -24 th March, 2016	The 1 st Kenya Coastal Development Project Conference: Coasts, Resources and People, Voi Wildlife Lodge, (Chair, Scientific Committee, KCDP/KMFRI); Voi,

	Taita Taveta County, Kenya
25 th -27 th Feb, 2016	Regional Training Workshops in Negotiating Fair and Sustainable Fisheries Access Agreements (FAA) In Africa - East & Southern Africa; Maputo, Mozambique (AU-IBAR, Resource Person / Trainer)
22 nd -24 th Feb., 2016	Post-survey meeting on 2015 R/V Dr Fridtjof Nansen Indian Ocean survey Oceanographic Research Institute; Durban, South Africa (FAO/EAF Proj)
26 th - 30 th Oct., 2015	Eighth (9 th) Western Indian Ocean Science Association (WIOMSA) Scientific Symposium; Durban, South Africa
28 th - 30 th Oct., 2013	Eighth (8 th) Western Indian Ocean Science Association (WIOMSA) Scientific Symposium; Maputo, Mozambique
27 th -29 th January, 2012	Nippon Suisan Gakkai Spring Meeting-Kyushu Chapter, Kagoshima Japan.
28 th Sept – 2 nd Oct, 2011	Nippon Suisan Gakkai Autumn Meeting – Kyushu Chapter, 28 Sept - 02 Oct, 2011; Nagasaki, Japan
27 th -31 st March, 2011	Nippon Suisan Gakkai Spring Meeting – National Chapter; Tokyo, Japan.
20 th -25 th June, 2010	Seventh (7 th) International Crustacean Conference; Qingdao, China
20 th -24 th October, 2008	Fifth (5 th) World Fisheries Conference; Yokohama, Japan
29 th Aug-2 nd Sept., 2005	Fourth (4 th) Western Indian Ocean Marine Sciences Association (WIOMSA) Symposium; Grand Baie Mauritius
26 th - 28 th April, 2005	New Challenges In Pond Aquaculture; České Budějovice, Czech Repub.
March, 2003	First (1 st) Coastal Ecology Conference; Mombasa, Kenya
26 th April, 2000	Consultative Forum- Marine & Coastal Resources, National Museum Society; Malindi, Kenya
21 st -24 th March, 2000	Second (2 nd) Western Indian Ocean Science Association (WIOMSA) Scientific Symposium; Dar es Salaam, Tanzania.
Skills /competency	
Social skills and competences	<ul style="list-style-type: none"> - Competent skills in community Outreach and Mobilization acquired through initiatives for various projects including Shrimp aquaculture/mangrove management in Magarini /Malindi, Kwetu Centre Mtwapa, Bonje-Chogonwe in Port Reitz; Tilapia Aquaculture at NARDTC Sagana; Conflict Resolution in Malindi-Ungwana fishery Bay, Prawn/Lobster Fishery Management Plans. - Excellent Communication skills acquired in various projects: Malindi-Ungwana Bay Co-Management Plan, Tuna Fisheries Strategy, KCDP and on fisheries reporting and documents preparation.
Organisational skills and competences	<ul style="list-style-type: none"> - Good leadership qualities gained as team leader/team player in various assignments: Head of Station, GoK/FAO/UNDP Ngomeni Shrimp Project; Team player, GoK/UNDDP/GEF –KCDP Project; Team Leader, Fisheries/Biological Research, Planning & Sampling protocols on MV. Nansei-Maru Research Vessel – Kagoshima Japan.
Technical skills and competences	<ul style="list-style-type: none"> - Coordination of technical workshops, Fisheries meetings, Research planning and survey protocols, etc during assignment in Kagoshima Bay Surveys; KCDP, TNC/NRT; SIDA-NIRAS.
Computer skills and competences	<ul style="list-style-type: none"> - Proficiency in Microsoft Office, Assorted Statistical software e.g. Statistica, SPSS, DPlot, DeltaGraph, Statgraph, GrahpPad, Primer, SPECIES Software etc. Working knowledge of specialized fisheries software including Ecopath-Ecosim, FiSAT, LFSA etc; and Basic knowledge in Spatial mapping software (ArGIS, Quantum etc) and Remote sensing
Research awards	
2015, June-July	FAO-EAF NANSEN Project: R/V Dr. Fridtjof Nansen survey in the southern Indian Ocean; IOC-UNESCO 2 nd International Indian Ocean Expedition (IIOE-2) "Ecology in the Southern Indian Ocean gyre, Role of Mesopelagic fish and role of gyre as aggregation location for floating plastics" Fulanda BM (Survey team

	member)
2012-2013	National Council for Research Science and Innovation NACOSTI land-based seaweed farming, south coast Kenya, Fulanda BM (co-PI)
2006-2012	MOMBUKAGAKUSHO Study & Research Scholarships for the small scale seine fisheries of Kagoshima Bay, Japan, Fulanda BM (Co-PI)
2005-2006	Marine Research Grant (MARG-I), Western Indian Ocean Sciences Association (WIOMSA), Coastal and Marine Fisheries, Kenya. Fulanda BM (PI)
2005	WWF Russell E. Train Education for Nature Professional Development Grant, Conservation Strategy Fund, Stanford CA, USA.
2002-2003	UNESCO-IHE NUFFIC Fund for Research on Pond Dynamics and Economics of Pond-Cage Culture, Sagana, Kenya.
National and Regional responsibilities	
July 2015 – to date	University Coordinator, Pwani University PU – UCD University College Dublin Ireland Collaborative Research on Marine fisheries in the Western Indian Ocean, Environmental, Wildlife & eDNA Monitoring at the Galana Wildlife Conservancy, Kilifi; 2015-2019
2015 June –March 2016	Chair, Scientific Committee for the 1 st Kenya Coastal Development Project Conference planned for March, 2016 at Voi Wildlife Lodge, Taita Taveta
2015 June/June -	Participant Scientist, Second International Indian Ocean Exploration (IIOE-2); Leg 1: Southern Indian Ocean and Gyre – Meso-pelagic fish & Micro-plastics
2014 -	Co-Team Leader / Resource Expert, Malindi-Ungwana Bay Fishery Co-management Plan
2014 -	Resource Expert, National Tuna Working Group/Dialogue
2013 -	Resource Expert, Lobster Fisheries Stock Assessment / Management Plan
2013 -	Resource Expert, Curricula Development Team for Training CBOs (BMUs) on Coastal and Marine Resource Management
Membership to Professional Associations	
2000 - 2014	Western Indian Ocean Marine Sciences Association (WIOMSA)
2010 - 2014	Faculty of 1000, African Journal of Food Science (AJFS), South Africa
2008 - 2014	The Japanese Society of Fisheries Science, Japan,
2003 - 2014	Water for Development Association UNESCO-IHE, Delft, the Netherlands.
2003 - 2006	East African Water Association (EAWA)
Publications in Refereed Journals	
2015	B.O. Ogongo, E.C. Mwachiro and B.M. Fulanda (2015). Population Structure, Condition and Length-Weight Relationships of Ten Vulnerable <i>Epinephelus</i> Genus Groupers off Kenyan South Coast Indian Ocean Marine Waters. <i>Ecologia</i> , 5: 22-30.
2015	Ogongo B.O., Mwachiro E.C. and Fulanda B.M. (2015). Distribution and reproductive patterns of the <i>Epinephelus</i> genus groupers off Kenyan South coast marine waters. <i>Journal of Fisheries and Aquatic Science</i> 10(3):159
2014	Ahamed, F., B. Fulanda , M.A.B. Siddik, M.Y. Hossain, Z.F. Ahmed and J. Ohtomi (2014). An overview of freshwater prawn fishery in Bangladesh: Present status and future prospects. <i>Journal of Coastal Life Medicine</i> , 2(7): 580-588.
2014	Ndungu, J., Denie, C., Augustin, M., Suzanne J.M., Hulscher, H., Fulanda, B. , Kitaka, N. and J.M. Mathooko (2014). A multivariate analysis of water quality in Lake Naivasha, Kenya. <i>Marine and Freshwater Research</i> , 66 (2) 177-186

- Ahamed, F., **Fulanda, B.**, Siddik, M.A.B., Hossain, M.Y. and M.M. Rahman (2014). An overview of freshwater prawn fishery in Bangladesh: present status and future prospect. *Jn. Coastal Life Med.*, 2 (7), 580-588
- 2013 Soomro, A.N., Baloch, W.A., Jafri, S.I.H., Burdi, G.H. and **B. Fulanda** (2013) Reproduction and feeding habits of the River Catfish *Eutropiichthys vacha* (Hamilton, 1822)(Siluriformes, Schilbidae) in an impacted habitat: Kotri hydrodam, River Indus, Pakistan. *Our Nature* 10 (1): 269-280
- Hossain, Md. B., Rahman, Md. M., Sarwer, Md. G., Ali, Md. Y., Ferdous A., Rahman, S., **Fulanda, B.**, Rahman, M.M., Subba, B.R. and Md Y. Hossain (20143). Comparative Study of Carp Pituitary Gland (PG) Extract and Synthetic Hormone Ovaprim Used in the Induced Breeding of Stinging Catfish, *Heteropneustes fossilis* (Siluriformes: Heteropneustidae) *Our Nature* 10 (1): 89-95
- 2012 Munga, C.M., Ndegwa, S., **Fulanda, B.**, Manyala, J., Kimani, E., Ohtomi, J. and A. Vanreusel (2012). Bottom shrimp trawling impacts on species distribution and fishery dynamics; Ungwana Bay fishery Kenya before and after the 2006 trawl ban. *Fisheries Science*, 78(2): 209-219.
- Hossain, M.Y., M. M. Rahman, **B. Fulanda**, M. A. S. Jewel, F. Ahamed and J. Ohtomi (2012). Length-weight and length-length relationships of the five threatened fishes from the Jamuna (Brahmaputra River distributary) River, northern Bangladesh. *J. Applied Ichthyology*, 28(2): 275-277.
- Ahamed, F., Hossain, M.Y., **Fulanda, B.**, Salam, A., Faruque, Z.A. and J. Ohtomi (2012). Indiscriminate exploitation of wild prawn postlarvae in the coastal region of Bangladesh: A threat to the fisheries resources, community livelihoods and biodiversity. *Ocean and Coastal Management* 66: 56-62
- MY Hossain, MAS Jewel, B Fulanda, F Ahamed, S Rahman (2012). Dynamics of Cyanobacteria Planktothrix species (Oscillatoriales: Phormidiaceae) in Earthen Fish Ponds, Northwestern Bangladesh *Sains Malaysiana* 41 (3), 277-284
- MY Hossain, J Ohtomi, MM Rahman, MAS Jewel, ZF Ahmed, F Ahamed, **B. Fulanda** & E.M. Abdullah. (2012). Conditions and from factor of the five threatened fishes from the Jamuna (Brahmaputra River Distributary) River, Northern Bangladesh. *Sains Malaysiana* 41 (6): 671-678
- 2011 **Fulanda, B.** and Ohtomi, J., 2011. Effect of tow duration on estimations of CPUE and abundance of the grenadier *Coelorinchus jordani* (Gadiformes, Macrouridae). *Fisheries Research*, 110: 298-304
- Fulanda, B.** and Ohtomi, J., 2011. Determination of effective tow duration for estimation of fish and shellfish abundance in deeper-water bottom trawl surveys. *Fisheries Science*, 77:487-485
- Fulanda B.**, Ohtomi J., Mueni, E., Kimani, E., 2011. Fishery trends, resource-use and management in the Ungwana Bay fishery Kenya. *Ocean & Coastal Management*, 54:401-414.
- Ahamed F., Molina, M., Jasmine, S., Hossain, M.Y., Jewel, M.A.S & **B. Fulanda** (2011) Potential and Economic Viability of Freshwater Prawn *Macrobrachium rosenbergii* (de Man, 1879) Polyculture with Indian Major Carps in Northwestern Bangladesh. *Our Nature* 9 (1): 61-72
- 2009 **Fulanda B.**, Munga C., Ohtomi J., Osore M., Mugo R. & Md. Y. Hossain, 2009. The Structure and Evolution of the Coastal Migrant Fishery of Kenya. *Ocean & Coastal Management*, 52: 459-466
- 2008 Wambiji N., Ohtomi J., **Fulanda B.**, Kimani E., Kulundu N. and M.Y. Hossain, 2008.

Morphometric Relationship and Condition Factor of *Siganus stellatus* (Forsskål, 1775), *S. canaliculatus* (Park, 1797) and *S. sutor* (Valenciennes, 1835) (Family; Siganidae) from the Western Indian Ocean Waters of Southcoast Kenya. *J. South Pacific Studies*, 29(1): 1-15

MY Hossain, ZF Ahmed, J Ohtomi, AHM Ibrahim, MAH El-kady, **B Fulanda** & SK Chakraborty (2008). Threatened fishes of the world: *Wallago attu* (Bloch and Schneider, 1801) (Siluriformes: Siluridae). *Environ. Biol. Fish.*, 82 (3): 277-278

Shah, Md.M., Hossain Md.Y., Begum, M., Ahmed Z.F., Ohtomi, J., Rahman, M.M., Alam, Md Md.J., Islam, A. & B. Fulanda (2008). Seasonal Variations of Phytoplanktonic Community Structure and Production in Relation to Environmental Factors of the Southwest Coastal Waters of Bangladesh." *Jn. Fisheries & Aquatic Science* 3(2): 102-113

2007 **Fulanda, B.**, Ohtomi, J., Mueni, E., Nzuki, S., Muasa, J., Muthama, C. & Md. Y. Hossain, 2007. A Preliminary Assessment of the Green Sea Turtle *Chelonia mydas*, Population and its Foraging Grounds in Kilifi Creek, Kenya. *J. South Pacific Studies*, 28(1): 31-41

M Begum, MY Hossain, MA Wahab, ZF Ahmed, M J Alam, M M R Shah, J Ohtomi, S Jasmine, M A H El-Kady, **B. Fulanda** (2007). Effects of iso-nutrient fertilization on plankton production in earthen ponds of Bangladesh. *Pakistan Jn. Biological Sciences* 10(8): 1221-1228

MY Hossain, S Jasmine, AHM Ibrahim, ZF Ahmed, J Ohtomi, **B Fulanda**, M Begum, A Mamun, MAH El-Kady, MA Wahab (2007) A preliminary observation on water quality and plankton of an earthen fish pond in Bangladesh: Recommendations for future studies. *Pakistan Jn. Biological Sciences* 10(6): 868-873

MY Hossain, MM Rahman, S Jasmine, AHM Ibrahim, ZF Ahmed, J Ohtomi, MAH El-Kady, **B Fulanda** (2007). Comparison studies on water quality and plankton production between perennial and non-perennial ponds of Bangladesh. *Jn. Fisheries and aquatic Science* 3(3): 176-183

2005 Liti, D. M., **Fulanda, B.**, Munguti, J.M., Straif, M., Waidbacher, H. and G. Winkler, 2005. Effects of open-pond density and caged biomass of Nile Tilapia (*Oreochromis niloticus* L.) on growth, feed utilization, economic returns and water quality in fertilized ponds, *Aquaculture Research*, 36(15): 1535-1543.

Book Chapter

2009 Okemwa G.M, **Fulanda, B.**, Kimani E.N. & J. Ochiwo, 2009. Exploitation of Marine Aquarium Reef Fisheries at the Kenyan Coast. *In: Hoorweg J. & Muthiga N. (eds.), Advances in Coastal Ecology: People, Processes and Ecosystems in Kenya*, African Studies Collection 20: 28-42, Leiden, PrintPartners Ipskamp BV, Enschede, Netherlands.

2003 **Fulanda, B.**, 2003. Shrimp Trawling in Ungwana Bay: A Threat to Fishery Resources. *In: Hoorweg J. & Muthiga N. (eds.), Recent Advances in Coastal Ecology: Studies from Kenya*, African Studies Centre Res. Report 70: 233-242, Leiden, PrintPartners Ipskamp BV, Enschede, Netherlands.

Seminars, Workshops and Symposia Papers

- 2016; 1st Kenya Coastal Development Project Conference, Voi, Taita Taveta
1. Fulanda, B.M., Barabara, M., Mueni, E., Manyala, J.O., Munga, C., Maina, G.W., Murage L.D. & Kimani E.N. (2016). Decades of Resource Management: History, Advances and Future Prospects in the Management of Coastal and Marine Fisheries of Kenya.
 2. Obota, C., Okemwa, G., **Fulanda, B.M.** & E. Kimani (2016). Reproductive biology and body condition of Emperor angelfish, *Pomacanthus imperator* along the Kenya Coast.

3. Irungu, K.W., Fulanda, B.M. & S. Ndegwa (2016). Habitat Preference Of Spinefoot Rabbitfish *Siganus Sutor* (Valenciennes, 1835) In Likoni Fishing Grounds, South-Coast Kenya
 4. Mueni, E., **Fulanda, B.M.**, Munga, C., Omukoto, J., Kiilu, B. & R. Anam (2016) Survey and Inventory of Small and Medium Pelagic Fishing Gears in Kenya's Marine Fisheries.
 5. Odhiambo, J., Obota, C., **Fulanda B.M.** & A. Wamukota (2016). Valuing Marine Fisheries – Case Analysis of the Tuna and Tuna-Like Fisheries of Lamu, North Coast Kenya.
 6. Ngeti, J.M., Wamukota, A. & **B.M. Fulanda** (2016). An Evaluation of the Contribution of Mombasa Marine National Park And Reserve (MMNP&R) to the Social-Economic Development of the Neighbouring Local Communities.
 7. Nzomo, D.N., Swaleh K.S., **B.M. Fulanda** (2016). Assessment of the Common Octopus (*Octopus vulgaris*, Cuvier 1797) Fishery Landings in Msabweni, South Coast Kenya.
 8. Omar, N., Omukoto J., Kareko J., Juma, A. & **B.M. Fulanda** (2016). Challenges and Opportunities in the Artisanal Tuna Fishery in Mombasa, Kenya.
 9. Oketch, O., Okuku, E., Shokut D., **B.M. Fulanda** (2016). Assessment of Seawater Intrusion into coastal Fresh water wells in Tiwi, Kwale, Kenya.
 10. Mbithi, O.M. & **B.M. Fulanda** (2016). Role of Beach Management Units (BMUs) in Management of Fishery Resources: A Comparative Study of Bambini, Likoni ferry and Old town BMUs in Mombasa County, Kenya.
 11. Murungu, D.K. & B.M. Fulanda (2016). Assessing the Status of Mangrove Mud Crab Fisheries in Tudor Creek, Mombasa, Kenya.
 12. Nguu, J., Obura, D., Murunga, M. & B.M **Fulanda (2016)**. Review of coral classification status: a case study of Kiunga Marine National reserve, North Coast Kenya.
 13. Omukoto, J.O., Kimani, E.N., Mkare, T.K., Mwakiti, S.M., Mbaru, E.K., Karama, K.S., Aura, C.M., **Fulanda, B.M.**, Munga, CN, Maina, G.W., Manyala, J.O., Mututa, W.K. (2016). Population dynamics of penaeid prawns in the Malindi-Ungwana Bay, Kenya.
 14. Mumbah, S.K., Manyala, J.O., Njiru, J. & **B.M. Fulanda** (2016). Impact of disposed hyper-saline water on crab species composition, distribution and abundance at Gongoni-Marereni salt industrial area in North Coast Kenya.
 15. Wambiji, N., Kimani, E.N., Munga, C., Manyala, J.O., Maina, G.W., Aura, C.M., **Fulanda, B.M.**, Ndegwa, S. (2016). Baseline Stock Assessment of Rabbitfish - *Siganus sutor* (Valenciennes, 1835) in the Kenyan marine waters.
- 2010 Ohtomi, J & **B. Fulanda** (2010). Preliminary Study on Spatio-temporal Distribution of Penaeid Shrimps in the Semi-enclosed Deeper Water Kagoshima Bay, Southern Japan. *Proc. Seventh (7th) International Crustacean Conference*, Qingdao, China.
- 2008 Ohtomi, J., Akaishi, K. & **B. Fulanda** (2008). Spatiotemporal distribution of crustacean species in the semi-enclosed deeper water Kagoshima Bay, southern Japan. *Proc. 5th World Fish. Conf.*, Yokohama, Japan
- Fulanda, B.** & J. Ohtomi (2008). Biomass estimation for demersal fishes from experimental trawl surveys: case of the semi-enclosed deeper-water Kagoshima Bay, Southern Japan. *Proc. 5th World Fish. Conf.*, Yokohama, Japan.

Consultancies/Assignments

2016 Dec – 2017 Jan	Financial Analysis of Fishing Vessel Performance and Design of Potential Micro-Financing Systems and Arrangements in Puntland, Somalia; FAO-SOM Coastal Communities Against Piracy project CCAP; Fulanda B.M. (Lead, Fisheries Comp.)
2016, April/May	Socio- Economic Valuation of Artisanal Tuna Fishery in Tanzania: Zanzibar - Kizimkazi, Nungwi and Pemba; WWF Tanzania; Fulanda B.M. (Lead Consultant)
2015, Dec - 2016, Jan	Assessment of Constraints to the Implementation/Adoption of International Instruments for Fisheries Management and Aquaculture Development for Identification of Intervention Areas to Support African Union Member States; AU-IBAR; Fulanda B.M. (Lead Consultant)
2015, Nov-Dec.	Preliminary Assessment of Natural Capital and Potential Planning Interventions, Lamu, Kenya; WWF-Kenya; Fulanda B.M. (Lead-Fisheries)
2015, June-August	Socio- Economic Valuation of Artisanal Tuna Fishery in Kenya: Case Study of the Lamu Seascape; WWF-Tanzania; Fulanda B.M. (Lead Consultant)
2014, Oct. – 2015, Jan	Preparation of Priority Fishery Profiles for Lamu-Tana Seascape; WWF Coastal East Africa, Fulanda B.M. (Component Leader - Tuna Fishery)
2014, Sept.-Nov.	Developing a Sustainable Fisheries Market for Kiunga and Pate Island Community Conservancies in Kenya's North Coast; North Rangelands Trust – Coast / The Nature Conservancy, Fulanda, B.M. (Lead Consultant)
2013-2014	Environmental Impact Assessment for the Construction of the first 3 berths and Associated infrastructure for the Proposed Lamu Port at Manda Bay, Lamu. February-March, 2014. Fulanda B.M. (Team member) Assessment of impact & design of proposed construction of a seawall on land area abutting the Indian Ocean /adjacent to the Mombasa MPA. August 2013-July, 2014. Fulanda B.M. (Component Leader).
2012-2014	Feasibility, Environmental Impact Assessment and Installation of a Marine Hatchery Facility for the State University of Zanzibar SUZA, Zanzibar, Tanzania. August 2012-2014. Fulanda B.M. (Team leader). Ecological and Environmental Impact Assessment of the Proposed Sea Marina and Moorings in Kilifi Creek, Kenya. Fulanda B.M. (Comp. Leader).
2014-2011	Ecological Assessment & EIA for Land Reclamation from Makupa Creek (Kibarani), Kenya by Multiple Hauliers (Ea) Ltd; Makupa Causeway. November 2010-January, 2011. Fulanda BM. (Component Leader).
1998-2000	Project Development, Community Mobilization and EIA/ESIA of Bonje-Chogongwe shrimp Culture Project, Port Reitz Creek, Kenya. 1998-1999. Fulanda BM. (Lead Consultant).

University Students' Supervision

ONTWOMA, M.	M.Sc.: Hook Size Selectivity for Hand line Fishery along the South Coast Kenya (Pwani Univ., Kenya).	2015-2016 Ongoing
OMAR, A.M.	M.Sc.: Assessment of Community Participation Management of Marine Resources in the Lamu Archipelago, Kenya; Case Study of the Pate Marine Community Conservancy (Pwani Univ., Kenya).	2015-2016 Ongoing
ABUBAKAR, A.A.	Characterization of the small-scale tuna fishery in Kenya (Pwani Univ., Kenya).	2015-2017 Ongoing
AKWEYU, K.S.	M.Sc.: Impact of Beach Seines on fish population structure and habitat in coastal marine fisheries (Pwani Univ., Kenya).	2015-2017 Ongoing
KAPOMBE, L.	M.Sc.: Assessment of Ecological Integrity of Sabaki River Using Macro-Benthic Invertebrates as Biological Indicators (Pwani Univ., Kenya).	2015-2016 Ongoing
YAA, J.	M.Sc.: Abundance and Residence Patterns of Bottlenose Dolphin	2015-2016

	Inhabiting Watamu National Marine Reserve, North coast Kenya (Pwani Univ., Kenya).	Ongoing
JILANI, W.	M.Sc.: The Role of Local Knowledge in Conservation of Marine Resources: A Comparative Assessment of Kuruwitu and Msambweni Fishing Villages, Kenya (Pwani Univ., Kenya).	2015-2016 Ongoing
NGETI, J.M	M.Sc.: An Evaluation of the Contribution of Mombasa Marine National Park and Reserve to the Social-Economic Development of the Coastal Local Communities (Pwani Univ., Kenya).	Graduated 2016
OBOTA, C.	M.Sc.: Reproductive Biology of Emperor Angelfish <i>Pomacanthus imperator</i> Bloch, 1787: Implication on fisheries management (Pwani Univ., Kenya).	Graduated 2016
OGONGO, B.O.	M.Sc.: The distribution and reproductive patterns of <i>Epinephelus</i> genera groupers within the Kenyan south coast inshore fisheries (Pwani Univ., Kenya).	Graduated 2016
JAPHARI, K.I.	B.Sc.: Assessment of data leakages and evaluation mechanisms for estimation of fishery mortality in lobster fisheries of Kenya. (Kenyatta Univ., Kenya)	Graduated 2013
HUSSEIN M.A.	B.Sc.: Population Structure and Distribution of the Indo-pacific bottlenose dolphin <i>Tursiops aduncus</i> in the waters off Watamu, Kenya (Kenyatta Univ., Kenya)	Graduated 2013
SHIRAISHI, H	M.Sc.: Distribution and reproduction of the Glass shrimp, <i>Pasiphaea japonica</i> in the Kagoshima Bay, Southern Japan: (Kagoshima University, Japan).	Graduated 2012
HATA, K.	B.Sc.: Stable isotope analysis of Crustacean species in semi-enclosed deep-water Kagoshima Bay, southern Japan (Kagoshima University, Japan)	Graduated 2012
AKAISHI, K.	B.Sc.: Spatiotemporal distribution of crustacean species in the semi-enclosed deep-water Kagoshima bay, southern Japan. (Kagoshima University, Japan)	Graduated 2009

Referees	
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