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EDUCATION

Institution	[Date]	Degree obtained
Nagasaki University, Japan	October, 2014–October, 2017	PhD. Fisheries Science
Ghent University, Belgium	August, 2011 - September, 2013	MSc. Aquaculture (Great Distinction)
Moi University, Kenya	August 2001 - May 2005	BSc. Fisheries (First Class Honors)
Kisumu Boys' High School	January 1996 – November 1999	KSCE (72/96 points)

RESEARCH EXPERIENCE

I have 10-year research experience at the Kenya Marine & Fisheries Research Institute (KMFRI), where I participated in several projects on fisheries and aquaculture. These projects include:

- The Lake Victoria Comprehensive Ecosystem & Aquatic Environment Research for Development (LAVICORD), 2014 – 2016: Funded by Japan International Cooperation Agency (JICA), I was a co-Investigator, Aquaculture component based in KMFRI-Kegati research center.
- Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA): 2013-2015, Funded by World Bank, I was a research scientist in the fish value chain.
- Kenya Agricultural Productivity Program Commercializing of aquaculture production through sustainable technologies and market linkages (KAPAP), Funded by the World Bank 2011-2014, I was a research scientist in the fish value chain.
- Changing the lives of Kenyan coastal communities using Artemia (Artemia Project); 2011-2015, Funded by VLIRUOS, Belgium; I was co-Investigator based in KMFRI.
- Developing low-cost live food production technologies for tropical aquaculture, Funded by JICA. October 2014 to October 2017, PhD Student, Nagasaki University, Japan.

TEACHING EXPERIENCE

Institution	[Date from - to]	Roles
Nagasaki University, Japan	October, 2014–October, 2017	Teacher assistant, laboratory work
Kisii University, Kenya	August 2013 – September 2014	Part-time lecturer, Department of Fisheries and Aquatics
Maseno University	January 2019 to date	Full time lecturer, department of Fisheries & Natural Resources

HONORS AND AWARDS

- PhD Scholarship Award, Monbukagakusho, MEXT program, Government of Japan, 2014-2017
- Msc. Scholarship Award, VLIRUOS, Ghent Belgium, 2011-2013

PROFESSIONAL MEMBERSHIP

- ROTIFERA
- Asian Fisheries Society
- Eastern African Water Association (EAWA)
- Aquaculture Association of Kenya (AAK)

SKILLS AND TRAINING

Institution(s)	[Date from – to]	Training(s) or Courses	Location
University of Jerusalem	16 th Dec.,2010 – 6 th Jan. 2011	Aquaculture Production and Management	Jerusalem, Israel
Kenya Dairy Training Institute	15 th to 26 th Feb. 2010	Aquaculture Economics	Naivasha, Kenya
University of Nairobi	18 th – 20 th Feb. 2014	Participatory Action Research in Aquaculture	KARI, Nairobi
Linchoping University, Sweden	January – July 2006	Aquatic and Wetland Ecology, Coastal Zone Management	Linchoping, Sweden

LEADERSHIP EXPERIENCE

- June 2019 to date: Examination & Timetable coordinator, Department of Fisheries and Natural Resources, Maseno University
- June 2017-Dec. 2018: Center Director, KMFRI-sangoro Aquaculture Research Station
- September 2015-sept. 2016: Chairman of Kenyans in Nagasaki, Japan (KIN)
- Jan 2014 - Sept. 2014 Center Director, KMFRI Kegati Aquaculture station
- 2012 - 2013: President, The East African Students Association of Gent University, Belgium
- Jan. 2011 – Aug. 2011: Center Director, KMFRI-Kegati Aquaculture Station
- 2003/2004: Secretary general of Fisheries Association of Moi University (FAMU)

CONFERENCES AND WORKSHOPS

- 10th - 13th February 2020: TEAM project: Building strategic framework for aquaculture education in Kenya. La Mada Hotel, Nairobi, Kenya
- November 13-14, 2019: Kisii University AgriTech exhibitions and conference, Agriculture Technology 2019. Oral presentation, titled Biofloc technology: the new frontier for profitable aquaculture in the tropics

- 26th -28th Nov. 2018: Sustainable Blue Economy Conference, Nairobi, Kenya: Panellist, Cold storage technologies for Kenyan small holder fish farmers.
- 4th – 7th September 2017: 7th Fish & Shellfish larviculture symposium, Gent University, Belgium. Presented “A universal microalgal replacement diet for culturing freshwater and marine planktonic live foods for larviculture.
- 22nd – 24th September 2017: The Japanese Society of Fisheries Science International Symposium. Fisheries Science for Future Generations. Tokyo University of Marine Science & Technology, Tokyo, Japan. Presented ‘Dietary value of fishwaste diet-cultured rotifer, *Brachionus rotundiformis* for larviculture of Japanese whitting, *Sillago japonica*.
- 28th – 29th September 2016: The 1st International seminar on Tropical Aquatic Resources Science & Management. Theme: Enhancing Sustainable Environmental Resources Management; Poverty alleviation & Climate adaptation Strategies in Indonesia. Sintesa Peninsula Hotel, Manado – Indonesia. Presented “Morphological and molecular identification of a rotifer species isolated from Kenyan freshwater fish pond’
- 3rd – 7th August 2016: The 11th The ASEAN Fisheries and Aquaculture Conference and Exposition 2016 “ASEAN Seafood for the World” Bangkok, Thailand. Presented ‘development of low-cost and stable live food culture technique for tropical aquaculture.
- 20th Oct. – 26th Oct 2015: International symposium, Pukyong National University, Nam-Gu, Busan, Korea. Presented “Feasibility of live food resources from African inland waters for larviculture’
- 30th August – 4th September 2015: Rotifera XIV, International Rotifer Symposium,. Institute of Soil Biology, Biology Centre, České Budějovice, Czech Republic. Presented a paper “Culturing *Brachionus rotundiformis* Tschugunoff (Rotifera) using dried foods; application of gamma-aminobutyric acid (GABA).”
- 9th – 11th November 2015: The United States Japan Natural Resource (UJNR) Aquaculture Workshop, Nagasaki University, Japan. (presented a paper “The life table demography of the rotifer *Brachionus angularis* Gosse; the influence of temperature and food densities’
- 3rd – 6th Feb. 2015: International Conference on Integrated Ecosystem and Water Management in The Lake Victoria Basin Region. Maseno University, Kisumu Hotel. The error of management: Recent experiences in implementing fisheries co-management in Lake Victoria, Kenya.
- 11th – 15 November 2014: International Conference on the Human Impact on Oceanic Environment, Ecosystem and Fisheries, Nagasaki University, Japan
- 16th Nov. – 19th Nov 2010: Aquatic Resources of Kenya (ARKII) KMFRI international conference in Naivasha (presented a paper on ‘use of tobacco waste to control gastropods in freshwater fish ponds’

PUBLICATIONS

Peer-Reviewed Journal Articles

1. **Ogello EO**, Wullur S, Sakakura Y, Hagiwara A. 2020. Dietary value of waste-fed rotifer *Brachionus rotundiformis* on the larval rearing of Japanese Whiting *Sillago japonica*. E3S Web of Conferences 147, 01005 (2020) <https://doi.org/10.1051/e3sconf/202014701005>
2. **Ogello EO**, Wullur S, Hagiwara A. 2019. Blending fishwastes and chicken manure extract as low-cost and stable diet for mass culture of freshwater zooplankton, optimized for aquaculture. IOP Conf. Series: Materials Science and Engineering 567 (2019) 012022 doi:10.1088/1757-899X/567/1/012022
3. **Ogello EO**, Wullur S, Sakakura Y, Hagiwara A. 2018. Composting fishwastes as low-cost and stable diet for culturing *Brachionus rotundiformis* Tschugunoff (Rotifera): influence on water quality and microbiota. *Aquaculture*, 486: 232–239
4. **Ogello EO**, Kembenya, EM, Githukia CM, Aera, CN, Nyamweya, CS, Munguti, JM. 2017. Substitution of fish meal with sunflower seed meal in diets for Nile tilapia (*Oreochromis niloticus* L) reared in earthen ponds. *Journal of Applied Aquaculture* 29(1):81-99
5. **Ogello EO**, Sakakura Y, Hagiwara A. 2016. Culturing *Brachionus rotundiformis* Tschugunoff (rotifera) using dried foods: application of Gamma-Aminobutyric Acid (GABA). *Hydrobiologia* 796: 99 – 110
6. **Ogello EO**, Kim H-J, Suga K, Hagiwara A. 2016. Life table demography and population growth of the rotifer *Brachionus angularis* in Kenya: influence of temperature and food density, *African Journal of Aquatic Science*, 41(3):329-336
7. **Ogello EO**, Munguti JM 2016. Aquaculture: a promising solution for food insecurity, poverty and malnutrition in Kenya. *African Journal of Food Agriculture, Nutrition and Development*, 16 (4): 11332 – 11351
8. **Ogello EO**, Kembenya EM, Obiero KO, Munguti JM. 2016. Effects of *Nicotina tobacum* (Linnaeus) on the survival and behavioral response of the freshwater leeches, *Hirudinaria* sp., *International Journal of Aquatic Sciences* 7(1):1-6
9. **Ogello EO**, Hagiwara A. 2015. Effects of chicken manure extract on the population growth, mixis induction and body size of the freshwater rotifer *Brachionus angularis* Gosse 1851. *Asian Fisheries Science* 28:174-185
10. **Ogello EO**, Munguti JM, Sakakura Y, Hagiwara A. 2014. Complete replacement of fish meal in the diet of Nile tilapia (*Oreochromis niloticus*) grow-out with alternative protein sources. A review. *International Journal of Advanced Research*, 2 (8): 962 – 978
11. **Ogello EO**, Nyonje BM, Van Stappen G. 2014. Genetic differentiation of *Artemia franciscana* (Kellogg, 1906) in Kenyan coastal salt-works. *International Journal of Advanced Research*, 2 (4): 1154-1164
12. **Ogello EO**, Kembenya E, Githukia CM, Nyonje BM, Munguti JM. 2014. The occurrence of the brine shrimp, *Artemia franciscana* (Kellogg 1906) in Kenya and the potential economic impacts among Kenyan coastal communities. *International Journal of Fisheries and Aquatic Studies*, 1 (5): 151-156

13. **Ogello EO**, Safina M, Aura CM, Abwao JO, Munguti, JM. 2014. A critical appraisal of feasibility of tilapia production in earthen ponds using biofloc technology, a review. *International Journal of Aquatic Sciences*, 5 (1): 21-39
14. **Ogello EO**, Frank TM, Munguti JM, Nyonje BM, Charro-Karisa H. 2013. Can integrated livestock-fish culture be a solution to East African food insecurity? *African Journal of Food Agriculture, Nutrition and Development*, 13 (4): 1 – 22
15. **Ogello EO**, Obiero KO, Munguti JM. 2013. Lake Victoria and the common property debate: is the tragedy of the commons a threat to its future? *Lakes, Reservoirs and Ponds*, 7 (2): 101-126
16. **Ogello EO**, Omondi R, Opiyo M, Charro-Karisa H, Aura CM. 2012. Survival and avoidance response of the freshwater gastropod *Melanoides tuberculatus* (Muller) to different concentrations of tobacco waste. *Aquaculture Research*, 43: 1571–1576
17. **Ogello EO**, Opiyo MA. 2011. A review of the African catfish production in Kenya: Opportunities and challenges. In *Aquaculture development in Kenya towards food security, poverty alleviation and wealth creation*. Samaki News, Vol. VII. No. 1. October 2011
18. Outa NO, Yongo EO, Keyombe JLA, Ogello EO, Wanjala DN, 2020. A review on the status of some major fish species in Lake Victoria and possible conservation strategies. *Lakes & reservoirs: science, policy and management for sustainable use* DOI: 10.1111/lre.12299
19. Abwao JO, Boera PN, Munguti JM, Orina PS, **Ogello EO**. 2014. The potential of periphyton based aquaculture for Nile tilapia production. A review. *International Journal of Fisheries and Aquatic Studies*, 2(1): 147-152
20. Abwao JO, Boera P, Musa S, Munguti JM. **Ogello EO**. 2014. Effect of different artificial diets on the culture potential of *Labeo victorinus* (Boulenger, 1909) reared in aquaria. *International Journal of Advanced Research*, 2(11): 246-252
21. Abwao J, Safina M, Ondiba R, **Ogello EO**, Obiero K. 2017. Effect of replacing marine protein with hydrolyzed feather meal on growth, apparent digestibility and body composition of juvenile tilapias; *Oreochromis mossambicus* (peters, 1852) *International Journal of Fisheries and Aquatic Studies* 5(6): 242-250
22. Aera CN, Migiro KE, **Ogello EO**, Githukia CM, Yasindi A, Outa N, Munguti JM. 2014. Length-weight relationship and condition factor of common carp, *Cyprinus carpio* in Lake Naivasha, Kenya. *International Journal of Current Research*, 6(9):8286-8292
23. Aura MC, Musa S, **Ogello EO**, Otwoma LM, Wainaina M, Kundu R. 2011. Methane emissions from swampy and riverine coastal wetlands: influence of open and macrophyte infested areas. *Lakes and Reservoirs: Research and Management*, 16 (4): 265 - 272.
24. Githukia CM, **Ogello EO**, Kembenya E, Achieng' AO, Munguti JM. 2015. Comparative growth performance of monosex (Males) and mixed sex Nile tilapia (*Oreochromis niloticus* L.) reared in earthen ponds. *Croatian Journal of Fisheries*, 73: 20-25
25. Kembenya EM, Munguti JM, **Ogello EO**. 2014. The Length-weight relationship and condition factor of Nile tilapia (*Oreochromis niloticus* L.) broodstock at Kegati aquaculture research station, Kisii, Kenya. *International Journal of Advanced Research*, 2 (5): 777-782

26. Kembenya EM, **Ogello EO**, Gathukia CM, Aera CN, Omondi R, Munguti JM. 2014. Seasonal changes of length-weight relationship and condition factor of five fish species in Lake Baringo, Kenya. *International Journal of sciences: Basic and Applied Research*, 14 (2):130-140
27. Munguti JM, Mugiraneza JK, **Ogello EO**. 2014. An overview of Kenyan aquaculture sector; current status, challenges and opportunities for future development. *Fisheries and Aquatic sciences*, 17 (1): 1-11
28. Munguti JM, Safina M, Orina PS, Kyule DN, Opiyo MA, Charo-Karisa H, **Ogello EO**. 2014. An overview of Kenyan fish feed industry and feed management practices: current status, challenges and opportunities. *International Journal of Fisheries and Aquatic Studies*, 1 (6): 128-137
29. Munguti JM, **Ogello EO**, Liti D, Waidbacher H, Straif M, Zollitsch W. 2014. Effects of pure and crude papain on the utilization and digestibility of diets containing hydrolysed feather meal by Nile tilapia (*Oreochromis niloticus L.*) *International Journal of Advanced Research*, 2 (6): 809-822
30. Munguti JM, Charo-Karisa H, Opiyo MA, **Ogello EO**, Marijani E, Nzayisenga L, Liti D. 2012. Nutritive value and availability of commonly used feed ingredients for farmed Nile Tilapia (*Oreochromis niloticus l.*) and African catfish (*Clarias gariepinus, burchell*) in Kenya, Rwanda and Tanzania. *African Journal of Food Agriculture, Nutrition and Development*, 12 (3): 1 - 22
31. Musa S, Orina PS, Aura CM, Kundu R. **Ogello EO**, Munguti JM 2014. The Effects of dietary protein and greenhouse on growth performance, behavior and fecundity in Nile tilapia (*Oreochromis niloticus L.*) broodstock. *International Journal of Science and Research*, 3(10):2271-2278
32. Musa S, Aura CM, **Ogello EO**, Omondi R, Charo-Karisa H, Munguti JM. 2013. Haematological response of African catfish (*Clarius gariepinus*) fingerlings exposed to different concentrations of tobacco (*Nicotina tobaccum*) leaf dust. *ISRN Zoology Volume 2013*, doi.org/10.1155/2013/492613
33. Novriadi R, Djazuli I. H, **Ogello EO.**, Agusnar H, Willis S, Haw KB. 2014. Aquaherb conditioners: the silver bullet for Asian seabass (*Lates calcarifer*) and Silver pompano (*Trachinotus blochii*) protection against *Vibriosis*. *International Journal of Advanced Research*, 2 (7):275 – 284
34. Obiero KO, Abila RO, Njiru MJ, Raburu PO, Achieng AO, Kundu R, **Ogello EO**, Munguti JM Lawrence T. 2015. The challenges of management: Recent experiences in implementing fisheries co-management in Lake Victoria, Kenya. *Lakes and Reservoirs: Research and Management*, 20: 139–154
35. Opiyo MA, **Ogello EO**, Charo-Karisa H. 2013. Effectiveness of sodium bicarbonate as an anaesthetic for different sizes of Nile tilapia (*Oreochromis niloticus L.*, 1758) Juveniles. *International Journal of Aquatic Sciences*, 4 (2):14 – 22
36. Opiyo MA, Munguti JM, **Ogello EO**, Charo-Karisa H. 2014. Growth response, survival and profitability of Nile tilapia (*Oreochromis niloticus*) fed at different feeding frequencies in fertilized earthen ponds. *International Journal of Science and Research*, 3(9):893 – 898
37. Kamizono S, **Ogello EO**, Sakakura Y, Hagiwara A. 2017. Effect of starvation on mixis induction in offspring of the monogonont rotifer, *Brachionus manjavacas* hatched from resting eggs. *Hydrobiologia* 796: 93 – 97.

38. Kyule D, Opiyo MA, **Ogello EO**, Obiero KO, Maranga B, Orina P, Charo-Karisa H, Munguti JM. 2016. Determination of fish value added product preferences among the residents of Wote Town, Makueni County, Kenya. *Bulletin of Animal Health and Production in Africa* (2016), 69 - 78. ISSN 0378 – 9721.
39. Nesta K, **Ogello EO**, Sakakura Y, Hagiwara A. 2019. Fish processing wastes as an alternative diet for culturing the minute rotifer, *Proales similis* de Beauchamp. *Aquaculture Research* DOI: 10.1111/are.13707
40. Musyoka SN, Liti, DM, **Ogello EO**, Waidbacher H. 2018. Utilization of the earthworm, *Eisenia fetida* (Savigny, 1826) as an alternative protein source in fish feeds processing: A review. *Aquaculture Research*, DOI: 10.1111/are.14091
41. Musyoka SN, Liti D, Ogello EO, Meulenbroek P, Waidbacher H. 2020. Earthworm, *Eisenia fetida*, bedding meal as potential cheap fishmeal replacement ingredient for semi-intensive farming of Nile Tilapia, *Oreochromis niloticus*. *Aquaculture research* DOI: 10.1111/are.14579
42. Musyoka SN, Liti, DM, **Ogello EO**, Waidbacher H. Meulenbroek P 2020. Using earthworm, *Eisenia fetida* to Bio-convert Agro-industrial wastes for aquaculture nutrition. *BioResources* 15(1):574-587
43. Gichana Z, Meulenbroek P, **Ogello EO**, Drexler S, Zollitsch W, Liti D, Akoll P, Waidbacher H. (2019) Growth and Nutrient Removal Efficiency of Sweet Wormwood (*Artemisia annua*) in a Recirculating Aquaculture System for Nile Tilapia (*Oreochromis niloticus*) *Water* 2019, 11, 923
44. Gichana Z, Liti D, Drexler S-S, Zollitsch W, Meulenbroek P, Wakibia K, **Ogello E**, Akoll P, Waidbacher H. 2019. Effects of aerated and non-aerated biofilters on effluent water treatment from a small-scale recirculating aquaculture system for Nile tilapia (*Oreochromis niloticus* L.). *Die Bodenkultur: Journal of Land Management, Food and Environment*, 70 (4), 209–219
45. Wullur S, Ginting EL, Waraow V, Rumengan IFM, **Ogello EO**, Hagiwara A. 2019. Growth response of rotifers on a bacterial-based diet made from fishwastes. *IOP Conf. Series: Materials Science and Engineering* 567 (2019) 012030 doi:10.1088/1757-899X/567/1/012030
46. Gichana Z, Liti D Wakibia J, **Ogello E**, Drexler S, Meulenbroek P, Ondiba R, Zollitsch W, Waidbacher H 2019. Efficiency of pumpkin (*Cucurbita pepo*), sweet wormwood (*Artemisia annua*) and amaranth (*Amaranthus dubius*) in removing nutrients from a smallscale recirculating aquaponic system. *Aquaculture International*. <https://doi.org/10.1007/s10499-019-00442-x>
47. Outa NO, **Ogello, EO**. 2019. Culture trials of Nile perch juveniles in cages and earthen ponds. *World Aquaculture* 2019: 45-49
48. Choia, B-S, Lee, YH, Lee J-S, **Ogello EO**, Kim H-J, Hagiwara A, Lee J-S, 2019. Complete mitochondrial genome of the freshwater monogonont rotifer *Brachionus angularis* (Rotifera, Brachionidae) *Mitochondrial DNA* 2019
49. Ouma H, Owiti, DO, Oyieng' P, Ang'ienda, P, Mwamburi J, **Ogello EO**. 2019. Effect of low crude protein diets on the growth performance, survival and feed conversion ratio of the African Catfish, *Clarias gariepinus* (Burchell, 1822) larvae. *Global Research Journal of Fishery Science and Aquaculture*, Vol. 3(3): pp 035-044, March, 2019.

50. Outa NO, Yongo EO, Keyombe JLA, **Ogello EO**, Wanjala DN. 2020. A review on the status of some major fish species in Lake Victoria and possible conservation strategies *Lakes and Reservoirs: Research and Management* DOI: 10.1111/lre.12299
51. Musyoka, S. N., Liti, D. M., **Ogello, E.**, Meulenbroek, P., Silke-Silvia, D., Waidbacher, H. 2019. Physicochemical properties and proximate composition of agro-industrial wastes appropriate for recycling and culturing earthworm, *Eisenia fetida* for aquaculture nutrition. Accepted by Journal of Bioresources.