

CURRICULUM VITAE



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1. **Family Name:** OGELLO
2. **First Names:** ERICK OCHIENG
3. **Date of birth:** 12TH JULY 1980
4. **Nationality:** Kenyan
5. **Marital Status:** Married
6. **Passport No.** AK0261448

7. Education history:

Institution [Date from - to]	Degree(s), Diploma(s) or certificate(s) obtained:
Nagasaki University, Japan (Sept. 2014 – Sept. 2017)	Doctor of Philosophy (PhD.) in Fisheries Science (Dissertation: Development of low-cost and stable live food production technologies for tropical aquaculture: A case Study of Rotifera, Family: Brachionidae)
Gent University, Belgium (Sept. 2011 – Sept. 2013)	Msc. Aquaculture; Great distinction (Thesis: Genetic differentiation of <i>Artemia franciscana</i> (Kellog, 1906) in Kenyan coastal saltworks.
Moi University (Aug. 2001 – Dec. 2005)	BSc. Fisheries; First class honours (Thesis: Use of macroinvertebrates diversity index to assess the quality of small wetlands in Lake Victoria Basin, Kenya
Kisumu Boys High School (Jan. 1996 – Nov. 1999)	Kenya Certificate of Secondary Education (KCSE), Grade B (Plain): 76/96 points
Kapiyo Primaty School (Jan. 1987 – Dec. 1995)	Kenya Certificate of Primary Education (KCPE) 433/700 marks

8. Language skills:

Language	Reading	Speaking	Writing
English	Excellent	Excellent	Excellent
Swahili	Excellent	Excellent	Excellent
Luo	Excellent	Excellent	Excellent
Japanese	Basic	Basic	Basic

9. Membership of professional bodies:

- ROTIFERA
- Asian Fisheries Society
- Eastern African Water Association (EAWA)

10. Computer & Personal skills:

- Excellent knowledge and experience in computer programs (e.g. Access, word, excell, Powerpoint)
- Data analysis (by SPSS, MINITAB, Statistica, S+ and R statistic).
- Public speaking and presentation skills

11. Leadership skills:

- Oct. 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)

12. Research interests

- Aquaculture (Live food and larviculture production)
- Fish nutrition
- Cage aquaculture
- Biofloc systems

13. Professional experience

- Microscopy
- DNA analysis
- Aquatic resource management
- Integrated aquaculture planning and management
- Project planning and management
- Environmental Impact Assessment / Audit (EIA)
- Reviewer in these International Journals: Aquaculture Nutrition, Asian Fisheries Science Journals, International Journal of Limnology

14. Project participation:

- The Lake Victoria Comprehensive Ecosystem & Aquatic Environment Research for Development (LAVICORD), 2014 – 2016
- Core-Core Asia-Africa Science Platform, 2014 – 2017
- Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA)
- Kenya Agricultural Productivity Program Commercializing of aquaculture production through sustainable technologies and market linkages (KAPAP)
- *Artemia* project
- Economic Stimulus Program (ESP) for fish farming in Kenya

15. International and local training

- May 2016: marine pollution, Tokyo University, Japan
- Sept. 2015: Sea expedition and cruise in East China sea
- December 2010 – Jan 2011: Aquaculture production and management: short training in University of Jerusalem, Israel.
- 2011: Aquaculture economics: Dairy Training Institute, Naivasha
- 2006: Applied aquatic sciences: Linchoping University, Sweden

16. International and local conference / workshop/ seminar participation

- 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 whiting, *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’

17. Employment history

Date from – to	Institution	Position	Job description and responsibilities
January 2019 to date	Maseno University	Lecturer	<ul style="list-style-type: none"> • Evolution and Ecology of freshwater fishes • Responsible Fisheries Code of Conduct • Ichthyobiology & Ichthyotaxonomy • Plankton ecology • Aquaculture
Jan. 2010 - Dec. 2018	Kenya Marine and Fisheries Research Institute (KMFRI)	Research officer I	<ul style="list-style-type: none"> • Aquaculture research & development: Live food production and fish larviculture • Designing aquaculture project action plan. • Fish feed formulation and feeding programs. • Training, supervision, defining job description and task evaluation of junior staff
Oct. 2013 – to date	Kisii University	Part time lecturer	<ul style="list-style-type: none"> • Aquaculture • Research methods • Fish nutrition
Sept. 2014 – Sept. 2017	Nagasaki University	Teacher & Research Assistant	<ul style="list-style-type: none"> • Teaching assistant (undergraduate students) • Designing laboratory experiments for undergraduate students, • Editing manuscripts in the laboratory
Nov. 2006 – Nov. 2009	The Cooperative Bank of Kenya	Microcredit Officer Cash custodian	<ul style="list-style-type: none"> • Appraising clients for loaning purposes. • Cash and ATM custodial services
May, 2005 – October, 2006.	Ministry of Fisheries Development (Bondo)	Assistant Fisheries Officer (Intern)	<ul style="list-style-type: none"> • Water quality assessment: Monitoring of biological and water quality parameters of River Yala and Lake Kanyaboli. • Selective breeding programme for tilapia and catfish • Feed Formulation • Cage aquaculture in Lake victoria
July – September 2004	Kisumu Water and Sewerage Company Ltd (kiwasco)	Water quality analyst (Student trainee)	<ul style="list-style-type: none"> • Water quality monitoring • Pollution control • Laboratory microbiological analysis

18. Referees

Prof. Atsushi Hagiwara

Dean of faculty,
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Nagasaki University, 1-14 Bunkyo, Nagasaki 852-8521,
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19. Publications in international peer reviewed journals

- 1) **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
- 2) **Ogello EO**, Kembenya, EM, Githukia CM, Aera, CN, Nyamweya, CS. and 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
- 3) **Ogello EO**, Sakakura, Y. and Hagiwara A. 2016. Culturing *Brachionus rotundiformis* Tschugunoff (rotifera) using dried foods: application of Gamma-Aminobutyric Acid (GABA). *Hydrobiologia* **796**: 99 – 110
- 4) **Ogello EO**, Kim H-J, Suga K. and 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
- 5) **Ogello EO**. and 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
- 6) **Ogello EO**, Kembenya EM, Obiero KO. and 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
- 7) **Ogello EO**. and 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
- 8) **Ogello EO**, Munguti JM, Sakakura Y. and 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
- 9) **Ogello EO**, Nyonje BM. and 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
- 10) **Ogello EO**, Kembenya E, Githukia CM, Nyonje BM. and 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
- 11) **Ogello EO**, Safina M, Aura CM, Abwao JO and 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
- 12) **Ogello EO**, Frank TM, Munguti JM, Nyonje BM. and 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
- 13) **Ogello EO**, Obiero KO. and 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
- 14) **Ogello EO**, Omondi R, Opiyo M, Charro-Karisa H. and 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

- 15) **Ogello EO** and 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
- 16) Abwao JO, Boera PN, Munguti JM, Orina PS. and **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
- 17) Abwao JO, Boera P, Musa S, Munguti JM. and **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
- 18) Abwao J, Safina M, Ondiba R, Ogello E, and 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
- 19) Aera CN, Migiro KE, **Ogello EO**, Githukia CM, Yasindi A, Outa N. and 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
- 20) Aura MC, Musa S, **Ogello EO**, Otwoma LM, Wainaina M. and 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.
- 21) Githukia CM, **Ogello EO**, Kembenya E, Achieng' AO. and 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
- 22) Kembenya EM, Munguti JM. and **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
- 23) Kembenya EM, **Ogello EO**, Gathukia CM, Aera CN, Omondi R. and 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
- 24) Munguti JM, Mugiranea JK and **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
- 25) Munguti JM, Safina M, Orina PS, Kyule DN, Opiyo MA, Charo-Karisa H. and **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
- 26) Munguti JM, **Ogello EO**, Liti D, Waidbacher H, Straif M and 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
- 27) Munguti JM, Charo-Karisa H, Opiyo MA, **Ogello EO**, Marijani E, Nzayisenga L. and 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
- 28) Musa S, Orina PS, Aura CM, Kundu R. **Ogello EO**. and 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

- 29) Musa S, Aura CM, **Ogello EO**, Omondi R, Charo-Karisa H. and 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
- 30) Novriadi R, Djazuli I. H, **Ogello EO.**, Agusnar H, Willis S, and 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
- 31) Obiero KO, Abila RO, Njiru MJ, Raburu PO, Achieng AO, Kundu R, **Ogello EO**, Munguti JM. and 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
- 32) Opiyo MA, **Ogello EO.** and 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
- 33) Opiyo MA, Munguti JM, **Ogello EO.** and 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
- 34) 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.
- 35) Kyule D, Opiyo MA, **Ogello E**, 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.
- 36) Nesta K, **Ogello EO**, Sakakura Y, Hagiwara A. 2018. Fish processing wastes as an alternative diet for culturing the minute rotifer, *Proales similis* de Beauchamp. *Aquaculture Research* DOI: 10.1111/are.13707

Books and Book chapter(s)

- 37) Aura MC, Musa S, Njiru J, **Ogello EO.** and Kundu R. 2012. Fish-restocking of lakes in Kenya: should solemnly be an environmental issue, 39-60pp. *In: Adoyo, W.A. & Wangai, C.I. African Political, Social and Economic Issues: Kenya Political, Social and Environmental Issues.* NOVA Science Publishers, Inc NewYork. ISBN: 978-1-62081-085-9
- 38) P. Orina, **E. Ogello**, E. Kembenya, C. Githukia, S. Musa, V. Ombwa, V. Mziri, J. Abwao, R. Ondiba, J. Okechi, (2018). *Status of cage culture in Lake Victoria, Kenya.* KMFRI research report no. AQUA/FWS/2017-2018/5