

CURRICULUM VITAE

ERICK OCHIENG OGELLO, PhD.

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PERSONAL DETAILS

Place of Birth: Bondo, Kenya

Marital Status: Married

Nationality: Kenya

Language: English, Kiswahili and Luo

National ID: 22205638

Passport: AK0261448

CAREER OBJECTIVE

I am a prolific researcher and scholar with over 15 years of consolidated experience in matters fisheries, aquaculture and blue economy. Currently, I am the head of the department of Animal and Fisheries Sciences, Maseno University, Kenya. My career mission is to provide transformative leadership towards achieving sustainable food and nutrition security through demand-driven and innovative research, training and capacity building, and policy advocacy within the confines of fisheries, aquaculture, blue economy and other related value chains. My career vision objective is to unlock potentials for productive and sustainable food systems that are ecologically, economically and socially vibrant to eradicate poverty and hunger among local communities, especially the women and young people, internationally. I have been championing adaptive and community-based participatory research and capacity building through projects such as climate-smart agriculture, circular economy, and agroecological principles, to ensure triple wins of sustainable food production, community and food system resilience, and protection of environment to stimulate rural transformation. I am clothed with core competencies as guiding principles that catalyze my career ambitions. These competencies include, conceptual thinking, impactful communications, drive for results, timeliness, building relationships, objective and transformative leadership, integrity, commitment and optimism among others.

ACADEMIC AND PROFESSIONAL PROFILE

1. Doctor of Philosophy:

Institution: Nagasaki University, Japan
Duration: October 2014 – October 2017
Degree: PhD. Fisheries Science
Thesis title: Studies on the Development of Low-cost and Stable Live Food Production Technologies for Tropical Aquaculture: A case Study of Rotifera (Family: Brachionidae)
Impact: Use of low-cost biofloc technology for live food production has improved aquaculture by 40% in local hatcheries

2. Masters:

Institution: Ghent University, Belgium
Duration: August 2011 – September 2013
Degree: Msc. Aquaculture (Great Distinction)
Thesis title: Genetic differentiation of *Artemia franciscana* (Kellogg, 1906) in Kenyan coastal saltworks
Impact: This study has promoted the use of integrated *Artemia*-salt farming in coastal Kenya and had improved local aquaculture initiatives

3. Bachelor:

Institution: Moi University, Kenya
Duration: August 2001 – December 2005
Degree: Bsc. Fisheries (First Class Honors)
Thesis title: Macroinvertebrate diversity and abundance in small water bodies within Lake Victoria Basin

4. Secondary Education

Institution: Kisumu Boys High School
Duration: January 1996 – November 1999
Certificate: Kenya Certificate of Secondary Education (KCSE – 72/96 points)

5. Primary Education

Institution: Kapiyo Primary School
Duration: January 1988 – November 1995
Certificate: Kenya Certificate of Primary Education (KCSE – 411/700 marks)

SPECIALIZED TRAINING COURSES

1. Strategic Leadership Development Programme (SLDP)

Institution: Kenya School of Government
Duration: February 2022– April 2022
Program/Award: Strategic Leadership Development Programme (SLDP)
Competence: Visionary leadership, Public service ethics,

2. Food System Analysis

Institution: Wageningen University and Research
Duration: May 2021 – April 2022
Program/Award: African Food Fellowship and Leadership Program
Competence: Food systems leadership and Value Chain Analysis

3. Responsible Aquaculture Production

Institution: Wageningen University and Research
Duration: November 2020 – January 2021
Program/Award: Responsible Aquaculture Development Program
Competence: Sustainable aquaculture production technologies and environmental risk assessment.

4. Senior Management Course

Institution: Kenya School of Government
Duration: July - September 2020
Program/Award: Senior Management Course (SMC)
Competence: Leadership, public service ethics,

5. Aquaculture Production and Management

Institution: University of Jerusalem, Israel
Duration: December 2010 - January 2011
Program/Award: Mashav scholarship award
Competence: Aquaculture production, management, value addition and marketing.

6. Aquaculture Economics

Institution: Kenya Dairy Training Institute (KDTI), Naivasha, Kenya
Duration: January- February 2010
Program/Award: Trainer of Trainer program: Ministry of Fisheries Development
Competence: Aquaculture economics and Aqua-preneurship,

7. Adaptive and Community-based Research

Institution: The University of Nairobi, Kenya
Duration: February 2014
Program/Award: Participatory Action Research in Aquaculture
Competence: Ecosystem approach to aquaculture production and management

8. Credit Risk Assessment

Institution: The Cooperative Bank of Kenya, Culhane Consulting
 Duration: September 2008
 Program/Award: Credit Risk Assessment in the Banking Sector
 Competence: Credit risk analysis

9. Aquatic and Wetland Ecology

Institution: Linchoping University, Sweden
 Duration: January- July 2006
 Program/Award: Inter-university student exchange program
 Competence: Rivers and streams ecology, wetland ecology, Integrated Coastal Zone Management

WORK EXPERIENCE

Duration	Institution	Experience & Roles
June 2022 - date	Maseno University	<ul style="list-style-type: none"> ✓ Chairman, Department of Animals and Fisheries Sciences ✓ Responsibility and accountability for setting and advancing the academic strategy of the Department in line with Faculty and University strategic plans. ✓ Departmental staff and student management ✓ Regular review and development of new programmes ✓ Ensuring the highest levels of quality, integrity and ethics in all research undertaken by staff and students. ✓ Creating and exploiting new opportunities for knowledge transfer activity to secure additional income streams and new areas of teaching and/or research. ✓ Ensuring that staff performance is managed appropriately and that fair workload allocation processes are in place. ✓ Forging research collaborations through joint research proposal development and project implementations
March 2019-2022	Maseno University	<ul style="list-style-type: none"> ✓ Departmental Timetable & Examination Coordinator ✓ Regular updates of teaching and exam timetable ✓ Maintaining and coordinating the smooth flow of faculty master time table
January 2019 – Present	Maseno University	<ul style="list-style-type: none"> ✓ Lecturer, Department of Animal and Fisheries Sciences, Maseno University, Kenya ✓ Lecturing courses in fisheries, aquaculture and related courses (both undergraduate and postgraduate programs) ✓ Supervision of under- and post-graduate students ✓ On-station and on-farm research activities in fisheries, aquaculture and related courses

		<ul style="list-style-type: none"> ✓ Conducting community service i.e., training, capacity building, community research, ✓ Information dissemination through local electronic and print media ✓ Development of research proposals and conducting on-station and on-field research projects ✓ Member of School Post Graduate Board ✓ Chairman of School Research Committee
December 2017 – December 2018 -	Kenya Marine & Fisheries Research Institute (KMFRI)	<ul style="list-style-type: none"> ✓ In-charge of government and donor funded projects by approving the implementation of work plans and budgets for the projects, monitoring and evaluation to ensure timely completion and reporting; ✓ Authority to Incur Expenses (AIE) Holder accountable to the Director General to ensure resources of the Centre are used in lawful, effective, efficient, economical and transparent manner. ✓ Research Scientist and Centre Director, Sangoro Aquaculture Centre ✓ Coordinating and supervising all administrative work in the station (Accounting officer for the station) ✓ Designing research programs in fisheries, aquaculture and related disciplines ✓ Collaborating with like-minded institutions in fisheries and aquaculture research ✓ Mentoring young scientists on research and leadership skills ✓ Managing the commercial fish feed plant, raw materials procurement, fish feed production and sales
October 2014 – November 2017	Nagasaki University, Japan (On studies)	<ul style="list-style-type: none"> ✓ Research Fellow and PhD. Student in the Laboratory of Aquaculture Biology. ✓ Laboratory technician (assisting professors in laboratory sessions with students) ✓ Laboratory reviewer of manuscripts ✓ Organizing laboratory graduate seminars
June 2013 – October 2014	Kenya Marine & Fisheries Research Institute (KMFRI)	<ul style="list-style-type: none"> ✓ Research Officer I ✓ Acting center Director, Kegati Research Center ✓ Designing research programs within the station ✓ Conducting on-station and on-farm research activities ✓ Administrative duties within the station ✓ Organizing for research seminars between inland KMFRI stations
January 2010 – June 2013	Kenya Marine & Fisheries Research	<ul style="list-style-type: none"> ✓ Assistant Research Officer (ARO)

	Institute (KMFRI)	<ul style="list-style-type: none"> ✓ Assisting researchers during research activities in the station and in the field
November 2006 – December 2009	The Cooperative Bank of Kenya, Homaby and Mbita Branches	<ul style="list-style-type: none"> ✓ Chief teller service ✓ Cash Custodian services and ATM manager ✓ Branch Audit and Credit risk ✓ Customer Service Officer
May 2005 – October 2006	Assistant Fisheries Officer (Internship program) Bondo District	<ul style="list-style-type: none"> ✓ Assisting fisheries officers in fish surveillance activities ✓ Conducting fish processing company inspection visits ✓ Conducting monitoring and evaluation on fisheries projects within the district
July 2004 – September 2004	Student trainee) Kisumu water and sewerage Company Ltd.	<ul style="list-style-type: none"> ✓ Water operations (abstraction, pump, and outlets) ✓ Water quality monitoring and pollution control ✓ Sewerage plant attendant ✓ Water theft monitoring within Kisumu estates

BOARDS/COMMITTEE MEMBERSHIP

No.	Organization	Duration	Responsibility
1	Usire Secondary School	2021-date	Chairman, Examinations and Quality Assurance sub-committee
1	Research and Innovations Board, Maseno University	2019- date	Member representing school of Agriculture and Food Security
2	Maseno University Journal committee	2019- date	Associate Editor
3	Maseno University School of Agriculture and Food security postgraduate board member	2019- date	Representing fisheries and natural resources
4	Maseno University Online studies learning committee for the School of Agriculture and Food Security	2020-date	School champion
5	Consortium for Research and Sustainable Development Initiative (CORESDI) board	2019-date	Research and Resource Mobilization Manager
6	African Center for Aquatic research and Education (ACARE)	2016-date	Member of Lake Turkana Research and Advisory Working Group

UNIVERSITY TAUGHT COUSES

Undergraduate course	Postgraduate courses
<ul style="list-style-type: none">✓ Fundamentals of Limnology✓ Ichthyobiology and ichthyotaxonomy✓ Marine Ecology✓ Principles of Aquaculture✓ Ecology of Freshwater Bodies✓ Fish Breeding and Hatchery Management✓ Fish Stock Assessment✓ Biotechnology in Fisheries Science✓ Evolution & Ecology of Eastern African Freshwater Fishes✓ Fish Diseases and Health Management✓ Fish Nutrition and Feed Production✓ Fish Processing and Quality Assurance✓ Current Issues in Fisheries Science✓ Post-harvest Physiology & Technology in the Fishing Industry✓ Fisheries Policies and Regulations✓ Code of Conduct for Responsible Fisheries✓ Wetland ecology and management	<ul style="list-style-type: none">✓ Fish and fisheries biology✓ Aquaculture production, management and Economics✓ Fisheries resource management✓ Fish health management✓ Integrated Coastal Zone Management✓ Advanced Fish Nutrition Technology✓ Fisheries Post-harvest Processing and Technology

RESEARCH GRANTS/PROJECT FUNDS ATTRACTED

Title	Role	Reference	Funding Agency	Period	Amount (Ksh)
Potentials of Agroecological practices in East Africa with a focus on Circular water- energy nutrient systems	Co-PI	HORIZON-CL6-2022-FARM2FORK-01-12	EU: HORIZON-CL6-2022-FARM2FORK-01-12 RIA-Part B	2023-2027	70 million
Optimizing Artemia production technology to enhance livelihood of East African coastal communities (APTSAD)	PI	<i>MASMA/OP/2020/02</i>	Western Indian Ocean Marine Science Association (WIOMSA) under MASMA program	2021-2023	28 million
Validating Climate-Smart Fish Culture Systems (CSFCS) for Increased Aquaculture Productivity and Livelihood Security in Kenya	PI	<i>KCSAP CGS/CRGs-AD 2019/CSLA/02-4/ AQUACULTURE</i>	World Bank-Kenya Climate Smart Agriculture Project	2019-2021	20 million
Validating Climate Smart Fish Marketing, Value Addition and Post-harvest Technologies for Improved Food and Nutrition Security	Co-PI	<i>KCSAP CGS/CRGs-AD 2019/CSLA/02-4/ AQUACULTURE</i>	World Bank-Kenya Climate Smart Agriculture Project	2019-2021	20 million
Validating and promoting improved fish strains and health management practices for climate smart aquaculture	Co-PI	<i>KCSAP CGS/CRGs-AD 2019/CSLA/02-4/ AQUACULTURE</i>	World Bank-Kenya Climate Smart Agriculture Project	2019-2021	20 million
Blue Cycling: Integrated aquaculture and agriculture for resource-efficient food production	Co-PI	<i>Food Systems and Climate (FOSC)</i> <i>ERA-NET Co FUND</i>	Government of Kenya, Ministry of Education, Science & technology (NRF)	2021-2024	8 million

PARTICIPATION IN LOCAL AND INTERNATIONAL PROJECTS

No.	Project and Donor	Duration	My role	Achievement
1	Aquaculture Labour Market and Education Programs Analysis in Kenya; building a strategic framework for aquaculture education in Kenya, funded by VLIRUOS, Belgium	2019-2021	Represented Maseno University as one of the key stakeholders in the Kenya aquaculture education	✓ National aquaculture curriculum review
2	The Lake Victoria Comprehensive Ecosystem & Aquatic Environment Research for Development (LAVICORD), Funded by Japan International Cooperation Agency (JICA),	2014 – 2016	Represented KMFRI aquaculture division	<ul style="list-style-type: none"> ✓ Culture trials of Nile perch ✓ Culture trials of native fishes: Labeo victorinus
3	Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA): Funded by World Bank, Research Scientist fish value chain.	2013-2015	Represented KMFRI	✓ Selective fish breeding program
4	Kenya Agricultural Productivity Program Commercializing of aquaculture production through sustainable technologies and market linkages (KAPAP), Funded by the World Bank Research Scientist, fish value chain.	2011-2014,	Represented KMFRI	✓ Selective fish breeding program
5	Changing the lives of Kenyan coastal communities using Artemia (Artemia Project); Funded by VLIRUOS, Belgium;	2011-2015,	Student in the project	✓ Msc. Degree in Aquaculture

LOCAL AND INTERNATIONAL CONSULTANCIES

No.	Client	Duration	Task	Role
1	Institute for Fisheries and Aquaculture Development, Ministry of Fisheries and Marine Resources, Republic of Angola	Dec 28 th 2022 – March 7 th 2023	Consultancy for Writing Project Completion Report (PCR) for the IFAD-funded project 'Artisanal Fisheries and Aquaculture Project (AFAP)'	Lead Consultant, Fisheries and Aquaculture
2	WorldFish, Malaysia	Nov-Dec 2022	Consultancy to review Promising Aquaculture Technologies and Innovations for Transforming Food Systems Towards Low Emission Pathways: Case Studies in Kisumu County, Kenya	Lead Consultant
3	World Bank Group (WBG)	March-May 2022	Short-Term Consultancy: Review of Aquaculture Development Pathways in Asia and Africa: Case Studies from a resource use efficiency context	Lead consultant
4	MasterCard Foundation, Canada	April-August 2021	Blue Economy Diagnostic Study to inform Strategic Planning in Kenya	Lead consultant
5	WorldFish, Malaysia	July-September 2021	Effects of Covid-19 on Aquaculture Value Chain	Lead consultant
6	Thika Way Investments Ltd.	October 2021 – January 2022	Status of Aquatic & Terrestrial Biodiversity at Chuowe Beach, Homabay County-Kenya: Ecological & Socioeconomic Implications of Biogas Power Plant 1	Lead consultant
7	Zamid Consulting, Jubaland	July 2019	Study for Improved Management of Sea Cucumber Fisheries and Mangrove Habitats of Jubaland	Co-Consultant
8	Lake-Agro Co. Ltd, Siaya County	2019-date	Aquaculture project	Resident consultant

RESEARCH INTERESTS

- Food systems analysis
- Blue-economy
- Circular-Economy
- Fisheries, Aquaculture value chains and socio-economics
- Aqua-preneurship
- Biofloc & organic fish farming

- Live food production and larviculture in aquaculture
- Ecosystem approach to Natural Resource Management
- Environmental and Social Impact Assessment (ESIA)

AWARDS

- African Food Fellowship and Leadership Award 2022
- PhD Scholarship Award, Monbukagakusho, MEXT program, Government of Japan, 2014-2017
- Msc. Scholarship Award, VLIRUOS, Ghent Belgium, 2011-2013
- African Food Fellowship and Leadership Scholarship Award, May 2021 – December, 2021

COMMUNITY SERVICE & OUTREACH

No.	Community	Date	Task
1	Board Member, Usire Secondary School, Bondo Sub-County	Nov. 2021- to date	Chairman, Examinations and Quality Assurance sub-committee
2	Kisumu & Kakamega County Public Service Board	April-August 2021	Interview panelist – Fisheries expert

LEADERSHIP SKILLS

- June 2022 to date: Chairman, Department of Animal and Fisheries Sciences
- June 2019 to June 2022: Examination and Time table Coordinator, Department of Fisheries and Natural Resources, Maseno University
- 2019 to date: Chairman Kenya-Re Estate, Kisumu
- 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 Ag. 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)

CONFERENCE/WORKSHOP PRESENTATIONS AND PANEL DISCUSSIONS

- 15th – 17th February, 2023: Great Lakes of the World (GLOW-10)., Celebrating 25 years of Great Lakes of the World: Lessons learned and future perspectives of the Great Lakes. Julius Nyerere International Convention Center, Dar-es-salam, Tanzania., Presented an oral talk on 'The Blue resources in Northern Kenya lakes: Opportunities and Challenges of Lake Turkana
- 28th November - 1st December, 2022: Aquatic Resources and Blue Economy Conference (ARBEC). Aquatic resources for a sustainable future and blue economy prosperity. Acasia Hotel, Kisumu, Kenya. Presented an oral presentation titled "Biofloc and Green water technology improves fatty acid profile and reproductive traits of *Artemia franciscana*, for aquaculture.
- 10th August – 15th October 2022: 12th Western Indian Ocean Marine Science Association (WIOMSA) Symposium at Nelson Mandela Bay, South Africa. Presented on Artemia Production Technology for Sustainable Aquaculture Development in East Africa
- 24th -25th September 2022: TICAD8 -Tunisia, SIDE EVENT; Planetary Health in Africa-Nagasaki University's Contribution to the World: presented a topic on Prospect of Aquaculture for food security and socio-economic growth in Kenya
- 19TH – 23RD September, 2022: Addressing Global Food Security Challenges through Partnerships and Local Community Engagement Fish Health Management Workshop: North-South Dialogue on Capacity Building and Knowledge Transfer Approaches, KISUMU HOTEL, KISUMU, KENYA. Presented on Climate-Smart Fish Culture Systems
- 30th August – 4th September 2022: Western Indian Ocean Marine Science Association (Wiomsa) Marine Science For Management (Masma) Workshop on Artemia Production Technology For Sustainable Aquaculture Development (APTSAD), Tanga Beach Resort, Tanga, Tanzania
- 24th – 25th November 2021: Western Indian Ocean Marine Science Association (WIOMSA) Grantees conference: Presented paper on sustainable production of Artemia biomass using 12iofloc technology for aquaculture development in East African coastal communities
- 27th – 29th August 2021: The First Eastern Africa Regional Aquaculture econference, Presented a paper on Periphyton technology improves growth performance and delays prolific breeding behavior of Nile tilapia, *Oreochromis niloticus*
- 19th – 23rd December, 2021: Kisumu International Investments Summit & Expo 2021; Panelist – Sustainable development of the Blue Economy
- 10th – 13th February 2020: TEAM project: Building strategic framework for aquaculture education in Kenya. La Mada Hotel, Nairobi, Kenya
- 5th -7th August 2019: Glow9, An International Symposium on Emerging Frontiers for African Great Lakes: Promoting Blue Economy, Food Security and Conservation. Kisumu, Kenya. Presented a paper on the role of small water bodies in enhancing the production of blue foods, for rural communities
- 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')

PROFESSIONAL MEMBERSHIP ASSOCIATIONS

- ✓ African Center for Aquatic Research and Education (ACARE)
- ✓ Eastern African Water Association (EAWA)
- ✓ ROTIFERA
- ✓ Aquaculture Association of Kenya (AAK)

STUDENT SUPERVISION

PHD STUDENTS

NAME	REG. NO.	RESEARCH TITLE	UNIVERSITY	STATUS
Mucemi S. Limamo	PHD/SC/00020/2020	Studies on the genetic diversity, growth performance, and parasitic tolerance of the improved tilapia strain (f-7), <i>Oreochromis niloticus</i> fingerlings cultured in earthen ponds: case study in western Kenya	Maseno	On-going
Samwel Bassa	PHD/AF/00017/015	Habitat characteristics and population structure of the fishes of the upper Victoria Nile, Uganda	Maseno	Graduated
Augustus A. Musita	PHD/AF/00018/015	Bio-economic performances of peanut-based meals as alternatives to dietary fishmeal in pond cultured Nile tilapia (<i>Oreochromis niloticus</i>)	Maseno	On-going
Obwanga O. Benson	PHD/AF/00021/019	Studies on the development of cost-effective and climate-smart fish larviculture and fish production systems in Kenya	Maseno	On-going
Nicholas Outa	PHD/AF/00087/020	Blue-Cycling: Integrated agriculture-	Maseno	On-going

		aquaculture systems for food security in Kenya		
Silas Ochieng	PHD/AF/00117/020	Modelling the contribution of fish into human food and nutrition programs in Kenya	Maseno	On-going

MSC STUDENTS

NAME	REG. NO.	RESEARCH TITLE	UNIVERSITY	STATUS
Odoje F. Akoth	MSC/AF/00029/019	Potential of the termite, <i>coptotermes formosanus</i> shiraki, meal as fishmeal replacement diet for culturing Nile tilapia, <i>16reochromis niloticus</i> 16reochro, fry	Maseno	Graduated
Shati M Simon	MSC/AF/00122/018	Utilization of black soldier fly (<i>hermetia illucens</i>) larvae meal as a replacement of soybean meal in the diet of Nile tilapia (<i>16reochromis niloticus</i>) juveniles	Maseno	On-going
Mavindu Muthoka	MSC/SC/00117/019	Effect of periphyton technology on the growth performance and breeding behavior of Nile tilapia, <i>16reochromis niloticus</i> post-fingerlings cultured in earthen ponds	Maseno	Graduated
Christine Namaemba	MSC/AF/00054/019	Evaluation of profitability and socio-economic impacts of cage-fish farming on livelihoods of Lake Victoria basin communities: a case of Siaya County, Kenya	Maseno	On-going
Wilfred O. Zablon	MAN/15/5/0053/17	Effects of protein level on growth performance of Nile tilapia, (<i>Oreochromis niloticus</i>) cultured in a biofloc system	Kisii	Graduated
Maurice Agengo	MSC/NS/00022/2019	Assessing adaptation options to impact of climate change on water variability in river Awach-Kibuon basin, Kenya	Maseno	On-going
Bramwel Mukaburu	MSC/AF/00083/020	Use of <i>Artemia franciscana</i> in local aquaculture initiatives	Maseno	On-going
Alice Hamisi	MSC/AF/00069/021	Role of small water bodies in fisheries, aquaculture and blue resources in rural Kenya		
Timothy Odende	PG/MS/059/09	Assessing the contribution of fisheries management strategies on compliance to fisheries regulations by fisher folk in lake 16ictoria: a case study of Busia county, Kenya	Maseno	Graduated

EXTERNAL & INTERNAL THESIS EXAMINATION

NAME	REG. NO.	RESEARCH TITLE	LEVEL	UNIVERSITY
Vincent Mlotha		Sensory analysis, consumer preference and meat quality of wild versus farmed tilapia on the Malawian market	PhD	Stellenbosch University, South Africa
Martin Sserwadda	01007500	Artificial propagation and larviculture of local freshwater fish species in Uganda	PhD	Ghent, Belgium
Veronica Ombwa	MSC/AF/00029/019	Effect of soya bean, <i>Rastrineobola argentea</i> and <i>Caridina niloticus</i> meals on water quality, growth performance and survival of <i>Oreochromis niloticus</i> fry	Msc	Maseno
Elias K Njoroge	MSC/AF/00113/2016	Nutritional value of croton (<i>croton megalocarpus</i>) nut as a potential feed resource for ruminants in Laikipia County, Kenya	Msc	Maseno

Stella Nabayunga	SNAT/FAS/M/007/18	Value chain of farmed Tilapia <i>Oreochromis niloticus</i> in Kakamega County, Kenya	Msc	University of Eldoret
Mercy Chepkirui	MAN/15/5/0050/17	Effects of water spinach (<i>Ipomoea aquatica</i>) on growth performance and fatty acid composition in Nile Tilapia, <i>Oreochromis niloticus</i> fingerlings	Msc	Kisii University
Elijah Kembenya	DAN18/50073/16	Life History Strategy Patterns of Selected Fish Species of the River Kuja-Migori, South West Kenya	PhD	Kisii University
		Hematological and Biochemical Parameters as Surrogate Markers of Stocking density in Cultured Nile Tilapia, <i>Oreochromis niloticus</i>	Msc	Maseno University

ADDITIONAL EXPERIENCE AND SKILLS

- Computer, Data Analysis and Data Management Skills
- Environmental and Social Impact Assessment and Environmental Audit
- Microscopy
- DNA analysis
- Aquatic resource management
- Integrated aquaculture planning and management
- Project planning and management
- Environmental Impact Assessment / Audit (EIA)

INTERNATIONAL JOURNAL REVIEW AND EDITOR WORK

- Sustainable Food systems (Aquatic Foods) – Editor
- Aquaculture, Fish and Fisheries (Reviewer)
- Aquaculture Nutrition (Reviewer)
- Asian Fisheries Science Journals (Reviewer)
- Scientific Africa (Reviewer)
- Lakes & Reservoirs: Science, Policy and Management for Sustainable Use

Functional Competencies

- Conceptual thinking
- Job knowledge and information sharing
- Drive for results
- Fosters innovation

Core competencies

- Building relationships
- Fosters accountability culture
- Learning orientation
- Communicating with impact

Leadership competencies

- Strategic perspective
- Developing others
- Change management
- Managing risks

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. 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
5. **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
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