



## Charles Chege Ngugi PhD, EBS

Associate Professor of Fish Biology and Aquaculture

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### ACADEMIC QUALIFICATION AND EMPLOYMENT IN ACADEMIA

- Doctorate Degree (PhD) Memorial University, Newfoundland, Canada, in Fish Biology and Master's Degree (MTech) Rivers State University of Science and Technology, Nigeria, majoring in Tropical Mariculture systems and production units. Post Graduate Diploma, FAO Africa Regional Aquaculture Centre, Port Harcourt, Nigeria. Senior Aquaculture Management Programme. I have taken courses in Strategic Leadership and Project Management and have attended various workshops and seminars on Aquaculture, leadership and training.
- I have worked in Senior government policy positions including Fisheries Secretary and Board of Directors of Kenya Marine and Fisheries Research Institute
- Worked as Director, Board of Postgraduate Studies and Associate Professor of Fish Biology and Aquaculture.
- Served as Dean, School of Natural Resources and Environmental Studies, Karatina University.
- Director Quality Assurance, ISO and Certification, Karatina University.
- Served as PhD External Examiner for PhD and Masters students in Ethiopia, Malawi, Mauritius, Kenya and Tanzania among others.
- Supervised over 25 PhD and Master Students in Aquaculture and Fisheries.

### AQUACULTURE AREAS OF EXPERTISE AND AWARDS

I have vast experience in Fish Biology, Aquaculture project management and implementation matrices as well as senior leadership in Aquaculture research with over 100 publications and book chapters.

My awards include the International Aquaculture 2020 Unsung Hero's Award from Scotland in September 2020. The award recognizes and rewards the excellence that is vital to the continuing development of a sustainable worldwide aquaculture industry – highlighting the impressive array of talents, achievements, and technical innovations on offer within this fast-growing sector. In 2018, I and the AquaFish Team received the International Award for Scientific Excellence by the Board for International Food and Agricultural Development (BIFAD). In 2012 I was awarded The Elder of the Order of Burning Spear (EBS) by the President of the Republic of Kenya for my outstanding and distinguished services to the Nation.

### INTERNATIONAL LINKAGES AND CONSULTANCY

#### International Linkages

- Served as Lead Principal Investigator and sat on the Advisory Member of the USAID funded Aquaculture and Fisheries Collaborative Research Support Programme (AquaFish Innovation Lab) for 18 years.
  - Member of the Research team under USAID funded AquaFish Innovation Lab - a multidisciplinary team of researchers and advisors representing US and Global International Aquaculture experts in over 27 US Universities and 54 international institutions in 23 developing countries. Through this funding we have Implemented Aquaculture and Mariculture programmes in Kenya, China, Ghana, Honduras, Mali, Mexico, Philippines, Indonesia, Nepal, Uganda, Tanzania, Thailand, and Vietnam. Also

through this funding we fully funded over 100 graduate students, the majority being young women in developing countries across the globe.

- From this funding we developed innovative technologies that included providing fish farmers with alternative sources of low-cost fish feed now adopted across the globe. In 2018, each Lead Principal Investigator was recognized by the Board for International Food and Agricultural Development and was presented with Scientific Award of Excellence for the work.
- Have worked with other partners from Stirling University; German GIZ, Kenya and Israel Mashav, Trilateral programmes and FAO especially on Youth development Programmes both in Freshwater and Marine environments.
- Have been on SIDA Project on Staff and Students Exchange Programme Linnaeus- Palme; Collaboration between Moi University and Kalmar University in Sweden.

## CONSULTANCIES

- **September 2020 to Present – Contracted by Gatsby Africa to provide Consultant Services particularly for development of small-scale commercial fish farmers, training government extension officers, development of policy documents and working with departments of fisheries and aquaculture at the county and national level on strategic and innovative technologies in Aquaculture. This include on-farm trials with small scale farmers, low cost feed development, setting up Aquashops and development of fish health protocols.**  
**The current Gatsby Africa Kakamega County project is to Catalyze the wider adoption of the low-input feeding regimes by commercial small-scale pond farmers in Kakamega county in a bid to improve their fish yield and profitability of their farms. This consultancy began in March 2024 and will end in April 2025.**
- **2022 to 2023 - Member of the FAO Expert team on the development of the aquaculture co-management guidebook final workshop held in Manila, the Philippines, 9–11 October 2023**
- **Oct 2021 to March 2023: Engaged by FAO as the Aquaculture Sector Analyst Consultant on improving governance of Aquaculture employment, developing tools for Investment decision making in Aquaculture and Financing aquaculture in Africa. Further FAO assignments included Enhancing Capacity and Risk Reduction of Emerging Tilapia Lake Virus (TiLV), Elicitation Risk Assessment and Surveillance Measures in Kenya.**
- **May to August 2020: FAO National Consultant on Fisheries Technologies and Innovation for small scale fishers in the Indian Ocean.**
- **Oct 2015 through Dec 2016: FAO contract on project named Promoting Agricultural Diversification to Reduce Poverty, fight Nutrition and Enhance Youth Employment opportunities in Eastern Africa.**
- **July to Sept 2015: Deloitte, a consultant firm in Kenya, contracted me to carry out a study on the Potential opportunities in terms of aquaculture and related industries in three East Africa countries. Planned future investments and new investments opportunities that could be considered by Norwegian companies; both with regional public and private sector promoters.**
- **February to March 2014: Conducted an FAO project to conduct a case study of the Social and Economic Performance of Tilapia farming in Kenya.**
- **October 2007 to September 2010: Lead Principal investigator for the USAID/Mali Leader with Associate Award Project: The Aquatic Resource Use and Conservation for Sustainable Freshwater Aquaculture and Fisheries project in Mali. This was a success story in Mali.**
- **2010 – Worked with the European Union (EU) - World Fish Centre Project on the Development of Regional Aquaculture Trade Directory for East Africa and Central Africa and in 2009 under Sustainable Aquaculture Research Network in Sub Saharan Africa (SARNISSA)/Stirling University Project on the Assessment of National Aquaculture Policies**

**and Programmes in Kenya as a regional coordinator. This Included countries such as Cameroon, Malawi, Kenya, Uganda and Tanzania. Funded by DFID was a Project on Initiative to build aquaculture development Aquashops services in Kenya through European Commission (EC) so as to Enhance fish farmer enterprise for sustainable productivity and livelihoods in East Africa.**

- **In 2009: I worked with ACP Fish II - EU Project–IBF International Consulting Ref CU/PE1/UG/10/001 on Preparation of a National Aquaculture Policy in Kenya which later formed the basis for the development of the Government of Kenya Fisheries Policy and the Fisheries Development and Management Act 2016.**

#### **PROFESSIONAL SOCIETIES**

World Aquaculture Society (WAS) Membership Number 20030123; Aquaculture Association of Southern Africa (AASA); West Indian Ocean Marine Science Association (WIOMSA)

#### **REFEREES**

- Professor Benson Mochoge PhD (bensonmochoge@gmail.com) Retired- Kenyatta University
- Karen L. Veverica (veverkl@gmail.com) International Consultant, Auburn, Alabama, USA
- Professor James, Muriithi Njiru PhD. Former Director General (jamnji@gmail.com), Kenya Marine and Fisheries Research Institute



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