



# Charles Oduor Odhiambo PhD

Kenyatta University, School of Pure and Applied Sciences

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**Nationality:** Kenyan, **Born:** 1976, **Marital Status:** Married

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## EDUCATIONAL

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2015 – 2019	Doctorate Degree (PhD) Kenyatta University, Nairobi, Kenya, in Aquatic Ecology
2001 – 2005	Masters Degree (Kenyatta University, Nairobi, Kenya, majoring in Aquatic Ecology
1997 – 2000	Bachelors Degree (B.Ed. Science) Kenyatta University, Kenya majoring in Biology and Mathematics
2005	Austrian Academy of Sciences Institute for Limnology (12 <sup>th</sup> - 30 <sup>th</sup> September 2005) International Postgraduate Training Programme in Limnology (IPGL), Conducted at Egerton University, Njoro, Kenya
1995 – 1995	Certificate in Forestry, Kenya Forestry College, Londiani, Kenya
1991 – 1994	Kenya Certificate of Secondary Education (KCSE), Hono Secondary School, Siaya, Kenya
1983– 1990	Kenya Certificate of Primary Education (KCPE), Hono Primary School, Siaya, Kenya

## ★DISTINGUISHED HONOURS AND

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Recognized for successful and outstanding Management of Public Awareness Campaign on Clean Up of the World in 2000 by the Director of United Nation Environment Programme (UNEP)

Awarded the Excellence Performance of Form Four Mathematics Contest (1994) in Siaya District, Kenya by The Board for Siaya District Mathematics Association

## WORK EXPERIENCE

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Current Position (Admin)	Area Coordinator, Centre for Teacher Professional Development & Excellence, Nyandarua Region, Kenyatta University
Current Position (Academic)	Lecturer – Aquatic and Marine Ecology, Fish Biology and Aquaculture
Aug 2019 - Date	Lecturer, Kenyatta University
2015 - 2019	Tutorial Fellow, Kenyatta University
2014 - 2015	Assistant Exam Coordinator, Zoological Sciences Department, Kenyatta University
2015 - Date	Departmental Time-Tabler, Zoological Sciences Department, Kenyatta University
2018 - Date	Directorate of mentoring, Staff Mentor - Kenyatta University
Aug 2016 - Date	Innovation Champion Representative for Zoological Sciences Department – Chandaria Business Innovation and Incubation Centre, Kenyatta University
Sept 2016 - Date	Department of Zoological Sciences Coordinator for Practicum and Career Development, Kenyatta University
2004 to 2014	Graduate Teacher, Senior Graduate Teacher (Teachers Service Commission – TSC): Mbau-Ini Secondary School, Kiambu County, Kenya
2006 to 2014	Head of Department of Mathematics, Mbau-Ini Secondary School, Kiambu County, Kenya

## Professional Experience

Jan 2004 – Present	Academic and Administrative positions in High School and Kenyatta University
Jan 2006 - Dec 2014	Patron Science and Mathematics Club, Mbau-Ini Secondary School, Kiambu County, Kenya
Sept 1999 - July 2000	Secretary General, Wildlife Club, Kenyatta University

## University Responsibilities

Oct 2020 to Present	Researcher, Ku WEE Project - Funded by Bill & Melinda Gates Foundation (2020 – 2025)
Jan 2018 to Present	Area Coordinator, Centre for Teacher Professional Development & Excellence, Nyandarua Region
July 2015 to Present	Departmental Time-Tabler, Zoological Sciences Department, Kenyatta University
May 2018 to Present	Staff Mentor, Directorate of mentoring - Kenyatta University
Aug 2016 to Present	Innovation Champion Representing Zoological Sciences Department – Chandaria Business Innovation and Incubation Centre, Kenyatta University
Various dates	Chairman of the departmental committees, Kenyatta University
Diverse dates	Member of various departmental committees – Kenyatta University

### Graduate broad areas that I teach:

Aquatic and Marine ecosystems, watershed management, Stream Ecology, Marine policy and Law, Aquaculture Planning and Management, Research Methods and Biostatistics, Biology of Finfishes, GIS Monitoring of Marine Biodiversity, Coastal Forest Resources and Wetland Resources

### Undergraduate broad areas that I teach:

Introduction to Ecology, Marine Ecology, Research Methods and Biostatistics, Aquatic Ecology, Physical and Chemical Oceanography, Fish Biology, Aquaculture, Fisheries and Natural Resources Management, Stream ecology and watershed management, Fisheries Policy and law, Fisheries Project Planning.

## RESEARCH AND PUBLICATIONS

### Peer Reviewed Journal Papers/Publications

1. **Charles Odhiambo**, Charles C. Ngugi and Rekha R. Sharma. 2020. Increased dominance of the native stargazer, mountain catfish, *Amphilius uranoscopus* on the South Eastern Slopes of Mount Kenya resulting from the impact of human settlement on trout streams. Draft copy
2. Influence of Large woody debris accumulations on macroinvertebrate distribution in a low order forested tropical stream, Sagana River, Kenya” – *Journal of Agriculture Science and Technology (JAGST) (published) - JAGST, Volume 16(3) 2014.*
3. **Charles O. Odhiambo**, Charles C. Ngugi, R. R. Sharma and Elijah Oyoo-Okoth 2020. Resource niche overlap of sympatric trout and catfish populations in a high altitude tropical highland stream revealed by stable isotopes and fatty acid profile; *Aquatic Sciences Journal*, AQSC-S-20-00014. Under review

4. **Charles O. Odhiambo**, Charles C. Ngugi, R. R. Sharma and Elijah Oyoo-Okoth 2020. Macro-invertebrates metrics and lipid profile as potential indicator of human influence in a high altitude tropical highland stream (River Sagana, Kenya): Journal of Environmental Science. Under review

#### Recent Conferences, Seminars and Workshops Attended

1. Design Thinking Workshop: Introduction to Design Thinking – Organized by Collaboration For Entrepreneurial Universities (CEPU) Project jointly implemented by Kenyatta University, Mount Kenya University and from the German side – Bonn-Rhein-Sieg University of Applied Sciences, Leuphana University, Leipzig University and Wismar University of Applied Sciences. Virtual Workshop. 26<sup>th</sup> October to 4<sup>th</sup> November 2020.
2. The World Ocean Summit Conference – Virtual Event – From 12<sup>th</sup> May to 26<sup>th</sup> August, 2020.
3. The Kenyatta University Biennial and Innovation Conference. Kenyatta University, Nairobi, Kenya. October, 23<sup>rd</sup> to 25<sup>th</sup> 2019.
4. Third National Conference on Curriculum Reforms 2019. Kenyatta International Conference Centre (KICC), Nairobi, Kenya, August 16<sup>th</sup> 2019.
5. Gender Mainstreaming into Curriculum. Kenyatta University, Nairobi, Kenya. June, 27<sup>th</sup> 2019.
6. Competency Based Curriculum: Leveraging Education in Africa. The Catholic University of Eastern Africa, Nairobi, Kenya, June 5<sup>th</sup> to 6<sup>th</sup>, 2019.
7. Attended a training on Data management and statistical analysis using R. Kenyatta University, Nairobi, Kenya, May 6<sup>th</sup> to 30<sup>th</sup>, 2019
8. Attended training on Sustainability and Health Promotion – From global view to local solutions. Kenyatta University, Nairobi, Kenya, May, 20<sup>th</sup> to 30<sup>th</sup> 2019.
9. Attended training on Scientific Communication: Poster and Oral presentation. Kenyatta University Kenyatta University, Nairobi, Kenya, May, 20<sup>th</sup> to 30<sup>th</sup> 2019.
10. Global Sustainable Blue Economy Conference, Nairobi, Kenya November 26 -28<sup>th</sup>, 2018.
11. University Industry Conference. Safari Park Hotel, Nairobi, Kenya, November 1<sup>st</sup> 2018
12. Workshop on commercialization of research. Kenyatta University, Nairobi, Kenya, October 31<sup>st</sup> 2018
13. Training on Applied Entrepreneurship Education Programme (KU-HNU). Kenyatta University, Nairobi, Kenya, May, 2018).
14. Attended a Workshop on Capacity Building Seminar for Staff Mentors. Kenyatta University, Nairobi, Kenya. January, 2018.
15. Effective teaching of mathematics, examining & marking techniques and effects of syllabus B. Limuru, Nairobi, Kenya. April 2009

#### Papers Presented in Conferences

1. **Charles Odhiambo**, Charles C. Ngugi and Rekha R. Sharma. 2019. Length weight relationship and relative condition factor of the native mountain catfish (*Amphilius uranoscopus* Pfeffer, 1889) in a tropical stream (Thego), Mount Kenya. The Kenyatta University Biennial and Innovation Conference. Kenyatta University, Nairobi, Kenya. From 23<sup>rd</sup> to 25<sup>th</sup> October, 2019. Oral Presentation
2. **Charles Odhiambo**, Charles C. Ngugi and Rekha R. Sharma. 2019. Change in water quality due to unsustainable community utilization of aquatic resources in a tropical stream, Mt. Kenya. International Conference - The Blue Economy and the 2030 Agenda for Sustainable Development. Nairobi, Kenya. From 26<sup>th</sup> to 28<sup>th</sup> November, 2018. Poster Presentation.

## SCHOLARSHIPS AWARDS AND MEMBERSHIP IN PROFESSIONAL BODIES

### Scholarships and Awards

- 2015: VC RESEARCH GRANT: Postgraduate Graduate Ph.D. at Kenyatta University, Thesis title: Anthropogenic impact on population sizes, distribution and abundance of mountain catfish, (*Amphilius Uranoscopus*, pfeffer.) residence to Sagana and Thego streams and future management strategies.

## ★ Membership in Academic and Professional Societies

### Alumni

- Kenyatta University, Nairobi, Kenya

### Professional Societies

- Teachers Service Commission of Kenya (TSC)
- West Indian Ocean Marine Science Association (WIOMSA)
- East African Water Association (EAWA)
- Nature Kenya (The East Africa Natural History Society).

## PROFESSIONAL REFEREES

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Prof. Charles Chege Ngugi  
School of Environment and Natural Resources,  
Karatina University,  
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Karatina, Kenya.  
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Prof. Rekha Rani Sharma,  
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Dr. Bethwell Owuor,  
Senior Lecturer,  
Department of Biological Sciences,  
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Dr. Charles Oduor Odhiambo

CV Revised on 15<sup>th</sup> November, 2020