

## CURRICULUM VITAE

P. O. Box 60091, DAR ES SALAAM, TANZANIA.

Mobile phone number : +255656466025.

[E-mail:changomaf@yahoo.com](mailto:changomaf@yahoo.com)

### A : BASIC PERSON INFORMATION

**Name :** Changoma Fransis

**Date and place of Birth :** 2<sup>nd</sup> April 1985, Pangani, Tanga- Tanzania.

**Sex and Marital status :** Male, Married.

### B: GENERAL DESCRIPTION

I'm a person with high level of integrity, honest and sense of responsibility. A well trainable, self-motivated, innovative person and able to work on my own initiative or as part of team to achieve the common goal of the organization I work with.

### C: EDUCATION BACKGROUND

#### 1.0 Higher Education

- Master of Fisheries science (4.27) from Sept.2017-Feb.2019, at Pukyong National University, republic of Korea.
- B.Sc. Fisheries and Aquaculture (4.0) from Sept. 2009- Nov. 2012, at the University of Dar es Salaam, Tanzania.

### D: PROFESSIONAL WORK EXPERIENCE

**Position:** Assistant lecturer at the Department of Aquatic Sciences and Fisheries Technology, University of Dar es Salaam.

**Duration:** 02/03/2020 to date

**Research interests:** Fisheries science, Biology and Ecology of Fish, Fish waste treatment, Biodegradation and Bioconversion, Fisheries resources management, impacts of climate change in fisheries.

**Position:** Acting District Fisheries Officer at Mtwara District Council

**Duration:** February 2017 to March 2017

**Position:** Fisheries Officer II at Mtwara District Council

**Duration:** June 2016 to January 2017

**Position:** Fisheries Officer II at Masasi Town Council

**Duration:** December 2014 to May 2016

### E: ADMINISTRATIVE EXPERIENCE

**Position:** School of Aquatic sciences and Fisheries Technology Undergraduate Studies Coordinator.

**Duration:** November 2020 to date

**Position:** School of Aquatic sciences and Fisheries Technology Research, Consultancy and Publication Assistant Coordinator.

**Duration:** November 2020 to date

**Position:** Representative of School of Aquatic Sciences and Fisheries Technology at University of Dar es Salaam Staff Association (UDASA) executive committee.

**Duration:** December 2020, to date

**Position:** Tanzanians living in Korea Association (Tanrok) Representative, Busan division, South Korea.

**Duration:** 2018 to 2019.

**Position:** Acting Head of Department (Livestock and fisheries) at Mtwara District Council

**Duration:** March 2017 to August 2017; March 2019 to January 2020.

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## E: OTHER EXPERIENCES

### Field attachment at Tafiri Mwanza (July 2011- September 2011).

- Studying morphometry of the Lake Victoria cichlids in relation to their feeding habits.
- Assessment of catch per unit effort in Lake Victoria at Nyegezi landing site.

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## F: TRAININGS DONE

- Training on fishers and fishers representatives (BMUs) inclusion in fisheries policy reviews in May 2019, at Mtwara District council.
- Training on catch assessment survey (CAS) data to fishers representatives (BMUs) and respective fisheries officers in October, 2019 at Teachers Training Center (TTC), Mtwara.
- Training on safety for laboratory work, Pukyong National University, 2017-2019.
- Training on integrated aquaculture and agriculture (IAA) and extension in Dec. 2016, at the University of Dar es salaam.
- Training on consultancy services for junior researchers in October 2020, at the University of Dar es Salaam.

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## G: CONFERENCES ATTENDED

- The Korean Society for Marine Biotechnology (KSMB) joint symposium 2018, as poster presenter; “Antioxidant and antimicrobial potentials of Nile perch (*Lates niloticus*) wastewater biodegraded with *Bacillus anthracis* and *Bacillus fusiformis* consortium” Busan, Republic of Korea.
- Korean Federation of Fisheries science and Technology societies (KOFFST) International conference 2018, as presenter; “Biodegradation of Nile perch wastewater by *Bacillus anthracis* and *Bacillus fusiformis* consortium; potency for ecofriendly treatment and reutilization” Busan, Republic of Korea.

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## H: AWARDS

- KOICA FELLOWSHIP- International Graduate School of Fisheries Science, Pukyong National University, South Korea – 2017.
- Oral Presentation Award Winner; titled ‘The status of fisheries industry in Tanzania’, Korean society of fisheries and aquatic sciences (KOSFAS), International conference 2017, at BEXCO, Busan, Republic of Korea.
- Best Action Plan Award Winner; titled “Bio-conversion of industrial fish processing wastes to high value products in Tanzania”, Pukyong National University, 18<sup>th</sup> January 2019.
- Full participating with University of Dar es Salaam Students Association Conservation Aquatic Ecosystems (UDSACAE), 2010-2012.

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## I: STUDIES DONE:

- **Changoma Fransis Mhina, 2019.** Biodegradation of Nile perch wastewater by *Bacillus anthracis* and *Bacillus fusiformis* consortium; potency for ecofriendly treatment and reutilization. A thesis submitted in partial fulfillment of the requirement for the Degree of Master of Fisheries Science at Pukyong National University; Busan, Republic of Korea.
- **Changoma Fransis Mhina, 2012.** The effect of inorganic and organic fertilizer on the growth performance of *Oreochromis niloticus* in concrete tanks. Third year research project report submitted in partial fulfillment of the requirement for Bachelor Degree of Fisheries and aquaculture at the University of Dar es Salaam; Dar es Salaam, Tanzania.

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## J: ONGOING PROJECTS

- **Co-Principal Investigator:** Population Genetic structure and gene flow of the mud creeper *Telebralia palustris* (Linnaeus, 1967) in Tanzania. Duration: November: 2020 to 2021. Funded by the University of Dar es Salaam.
- **Principal investigator:** Assessment of Growth Performance of Pompano (*Trachinotus blochii*) fingerlings fed with bio-activated blood meal protein. Duration: 2021 to 2022. Funded by WIOMSA, MARFG I. (At contract signing stage).

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**K: PUBLICATIONS (ARTICLES)**

- Mhina C.F., Jung H.Y., Kim J.K, 2020. Recovery of antioxidant and antimicrobial peptides through the reutilization of Nile perch wastewater by biodegradation using two *Bacillus* species. *Chemosphere*,253, (2020),126728, [doi./10.1016/j.chemosphere](https://doi.org/10.1016/j.chemosphere).

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**L: OTHER SKILLS**

1. Computer application in Microsoft word, Microsoft excels, Microsoft publisher.
2. Application of statistical tools (SPSS and SAS).
3. Quality control.

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**M: LANGUAGES:**

Fluent speaking and writing in both Swahili and English.