

# ALMACHIUSI RWEVASIRA RWEYEMAMU

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## ● WORK EXPERIENCE

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01/11/2019 – To date – Mbeya, Tanzania

### **ASSISTANT LECTURER-MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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I am employed at Mbeya University of Science and Technology as an Assistant Lecturer under the department of Natural Sciences, College of Science and Technical Education. My key duties include; Teaching, conducting Research and providing Consultancy service. I teach Chemistry and I am specialized in Analytical chemistry. I have been also a coordinator of Analytical and Environmental lab in the department.

24/03/2015 – 30/10/2019 – Mbeya, Tanzania

### **TUTORIAL ASSISTANT – MBEYA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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As a Tutorial assistant in the department of Natural Sciences, I have been teaching at diploma level and assisting in supervising tutorials. I have been also involved in preparation laboratory experiments and supervising practical experiments.

5<sup>th</sup> January 2013 – 1<sup>st</sup> February, 2015: Mbeya, Tanzania

### **PART TIME LABORATORY ANALYST- MBEYA URBAN WATER SUPPLY AUTHORITY**

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As a Laboratory Technician, my key role was to perform water analysis on both chemical and physical parameters such as residual chlorine, nitrates, phosphates, pH, turbidity, total dissolved solids. I used various devices such pH meters, turbidometer, Colorimeter, nephelometer, multiparameter meter and UV-vis spectrophotometer.

## ● EDUCATION AND TRAINING

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4<sup>th</sup> August, 2023 – CURRENT – Szeged, Hungary

**PH.D. CHEMISTRY** – Doctoral School of Chemistry, Faculty of Science and Informatics, University of Szeged

**Field of Specialization:** Analytical Chemistry

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25<sup>th</sup> /08/2017 – 1<sup>st</sup> /June/2019 – Kumasi, Ghana

**M.Phil. CHEMISTRY** – Department of Chemistry, Faculty of Physical and Computational Sciences, College of Science, Kwame Nkrumah University of Science and Technology

**Field of Specialization:** Analytical Chemistry

**Thesis:** Contamination and Human Health Risk due to Toxic Metals in Dust from Transport Stations and Markets in the Kumasi Metropolis, Ghana.

10/10/2009 – 17/11/2012 – Iringa, Tanzania.

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**BSc Education**– Faculty of Science, Mkwawa University College of Education, a Constituent College of University of Dar es Salaam.

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**Subject of Specialization:** Chemistry and Biology

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24<sup>th</sup> April, 2023 -28<sup>th</sup> April, 2023- Nairobi, Kenya

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**LC-MS TRAINING –A HANDS ON APPROACH**

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Training at the Department of Chemistry, Jomo Kenyatta University of Agriculture And Technology on Hands on Skills of HPLC-MS, Sample preparation and Trouble Shooting.

12<sup>th</sup> December 2022- 17<sup>th</sup> December, 2022- Dar es Salaam, Tanzania

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**BETTER EDUCATION FOR AFRICA RISE (BEAR II)** –Training of Teachers in Technical and Vocational Education Training under UNESCO and Republic of Korea sponsorship.

10<sup>th</sup> September, 2019-12<sup>th</sup> September, 2019-Kumasi, Ghana

Manuscript writing and Data analysis using SPSS, Stata, Minitab, Excel, R and mat lab- Kwame Nkrumah University of Science and Technology (Ghana)

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**CONFERENCE ATTENDED**

25<sup>th</sup> October, 2022- 27<sup>th</sup> October, 2022, Lilongwe, Malawi

The 6th JRIIE International Conference on Transformational Collaborative Research for Sustainable Development in the COVID-19 Era, held at Andrews Holiday Resort Mangochi, Malawi.

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**OUTSTANDING UNDERGRADUATE AWARDS**

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Academic year

2010/2011: Certificate for excellent performance- Overall best second year student in Life Sciences + University prize

2010/2011 Certificate for excellent performance - Overall best second year student in Chemistry + University prize

2011/2012 Certificate for excellent performance- Overall best third year student in Biology + University prize

2011/2012 Certificate for excellent performance - overall best third year student in Science Subjects + University Prize

2011/2012 Certificate for excellent performance - Overall best third year student in Chemistry + University prize

2011/2012 Certificate for excellent performance - Overall best third year student in the faculty of Science + University Prize

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**LANGUAGE SKILLS**

Mother tongue(s): **KISWAHILI**

Other language(s): **ENGLISH**-Good at Listening, Writing, Reading and Speaking

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**COMPUTER SKILLS**

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Microsoft Office | Microsoft Excel | SPSS | Social Media | Microsoft Powerpoint | Microsoft Word |

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**POTENTIAL KNOWLEDGES AND SKILLS**

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- I have the basic knowledge and skills on the solid and liquid sample preparation for Heavy metal analysis using various spectroscopic techniques such as AAS, ICP-MS, ICP-OES and XRF
- Sample preparation and analysis for pesticides using HPLC-MS and GC-MS
- Method optimization for GC-MS, HPLC-MS, AAS analysis

## ● RESEARCH AND PUBLICATIONS

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- Contamination and Human Health Risk of toxic metals in dust from Transport stations in the Kumasi metropolis, Ghana (• DOI:[10.1007/s42250-020-00174-z](https://doi.org/10.1007/s42250-020-00174-z))
- I have supervised sixteen (16) undergraduate research projects to date.

## RESEARCH AREA

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- Analytical method development and optimization
- Environmental chemical analysis

## REFEREE:

Juma Mmongoyo (PhD) Mkwawa University College of Education <b>Position:</b> Lecturer Faculty of Science Department of Chemistry P.O BOX 2513 IRINGA TANZANIA Mobile: +255713810625 E-mail:  jmmongoyo@yahoo.co.uk	Eliezer Mwakalapa (PhD) Mbeya University of Science and Technology Department of Natural Science <b>Position:</b> Lecturer P.O BOX 131 Mbeya TANZANIA Mobile: +25571310988 E-mail: mwakalapaeb@gmail.com	Godfred Darko Kwame (Associate Professor, PhD) Nkrumah University of Science and Technology Department of Chemistry <b>Position:</b> Senior Lecturer Department of Chemistry PMB, KUMASI Ghana E-mail: <a href="mailto:godfreddarko@yahoo.com">godfreddarko@yahoo.com</a>
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