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# **CURRICULUM VITAE**

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# **GHARIB HAMZA MOHAMED**

# **BED PHYSICS (UDSM), MSc. PHYSICS (SURREY, UK), PhD (UWC, South Africa)**

# **Principal Laboratory Scientist, the State University of Zanzibar, Tanzania**

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###### December, 2022

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| **A.** | **BIO-DATA** |
| Name | Gharib Hamza Mohamed |
| Postal Address: | P.O. BOX 146, Zanzibar |
| Date of Birth: | 11th November, 1971 |
| Marital Status: | Married with two children |
| **B.** | **ACADEMIC AND PROFESSIONAL QUALIFICATIONS** |
| 2014 – 2020: | University of the Western Cape (South Africa) |
|  | Doctor of Philosophy in Applied Nuclear Physics |
| 2009 – 2010: | University of Surrey (United Kingdom) |
|  | Master of Science in Physics |
| 1997 – 2001: | University of Dar es Salaam (United Republic of Tanzania) |
|  | Bachelor of Education with Science |
| 1989 – 1991: | Fidel Castro Secondary School |
|  | A’ level Certificate |
| 1988 | Fidel Castro Secondary School |
|  | O' Level Certificate |
| **C.** | **WORKING EXPERIENCE** |
| 1994 - 1997 | Uweleni and Makombeni Secondary Schools |
|  | **Job Title: Teacher** |
|  | **Job Profile:** Teaching Mathematics and Physics |
|  |  |
| 2001 – 2007 | Nkrumah Teachers’ College |
|  | **Job Title: Tutor** |
|  | **Job Profile:** Teaching Physics, Foundations of Education and Research Methodology |
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| 2007 – 2010 | The State University of Zanzibar (SUZA) |
|  | **Job Title: Physics Laboratory Scientist** |
|  | **Job Profile:** |
|  | To coordinate practical sessions for students with the help of academic staff; |
|  | To support and instruct students during laboratory sessions; |
|  | To guide laboratory technicians in their daily activities; |
|  | To participate in consultancy projects under close supervision of senior staff; |
|  | To assist academic staff in their research and development activities; |
|  | To participate in conducting maintenance of laboratory facilities |
| **2010 – 2020** | **The State University of Zanzibar (SUZA)** |
|  | **Job Title: Senior Physics Laboratory Scientist** |
|  | **Job Profile:** |
|  | To design and supervise construction of experimental procedures for Physics undergraduate students and for other research and development projects; |
|  | To assist academic staff in their research and development activities; |
|  | To participate in consultancy services; |
|  | To conduct maintenance of laboratory facilities; |
|  | To organize and conduct formal training/seminars for technical staff. |
| **2020 – to date** | **The State University of Zanzibar (SUZA)** |
|  | **Job Title: Principal Physics Laboratory Scientist** |
|  | **Job Profile:** |
|  | To develop experimental procedures for Physics, Post Graduate students and for other research and development projects; |
|  | To conduct repairs and maintenance of laboratory facilities; |
|  | To ensure that all safety procedures are understood and followed correctly; |
|  | To mentor, train and supervise junior laboratory staff; |
|  | To provide consultancy services. |
| **C.** | **LEADERSHIP POSITIONS** |
| March 2021 to date | Council Member, The State University of Zanzibar |
| January 2021 to date | Chairman, The State University of Zanzibar Administrative and Technical Staff Association (SUZAATSA) |
| 2012 - 2013 | Member of the Senate, the State University of Zanzibar |
| 2012 - 2013 | Member of Academic and Library Committee, the State University of Zanzibar |
| 2012 - 2013 | Acting Dean, School of Continuing and Professional Education (SCOPE), the State University of Zanzibar |
| 2012 - 2013 | Member of Management Committee, the State University of Zanzibar |
| 2012 - 2013 | Chairman, SCOPE Board, the State University of Zanzibar |
| 2012 | Coordinator, SUZA Secondary School |
| **D.** | **SELECTED PUBLICATIONS** |
|  | PhD Thesis - Radiometric Investigation of soil and beach sediments from Zanzibar.  MSc Dissertation – Investigation of Naturally Occurring Radioactive Materials in River Chao Phraya, Thailand. |
|  | Writer of Two Physics Modules used by Ministry of Education and Vocational for Teacher’s Advancement Programme (TAP)  Lead Writer - Physics for Zanzibar Secondary Schools: Books 1&2 |
| **E.** | **NATIONAL EXPOSURE AND EXPERIENCE** |
|  | * Advanced Nuclear Science and Technology Techniques (ANSTT4) Workshop, iThemba LABS, Cape Town, South Africa, 16 – 20 May, 2022. * 15th International Congress of the International Radiation Protection Association (Virtual); Seoul, South Korea, 18 – 22 January, 2021. * Advanced Nuclear Science and Technology Techniques (ANSTT2) Workshop, iThemba LABS, Cape Town, South Africa, 16 – 20 March, 2019. * Taste of Nuclear Physics 8, Bellville, South Africa, September, 2018. * Taste of Nuclear Physics 7, Bellville, South Africa, October, 2017. * 14th International Congress of the International Radiation Protection Association; Cape Town, South Africa 9 – 13 May, 2016. * Taste of Nuclear Physics 6, Bellville, South Africa, September, 2016. * The 7 Habits for Managers Workshop, Zanzibar, Tanzania, 2013. * Workshop on Basics and Applications of Nuclear Technology for Socioeconomic Development, July 29 - August 6, 2013, Arusha Tanzania. * Radiation Protection Refresher Course, May 2010, Surrey, U.K. * Training on Report Writing and Management, March, 2007, Zanzibar. * Workshop on Developing Syllabuses for Diploma in Secondary Education, Tanzania Institute of Education Dar es Salaam, July, 2006. * Workshop on Developing Syllabuses for Diploma in Secondary Education, Morogoro, August, 2006. * Enhancing Classroom Activities for Quality Teaching and Learning in Africa, 7 Nov – 9 Dec, 2005, Nairobi, Kenya. * Workshop on Gender and Constitution; August, 2002; Arusha – Tanzania. * Training Workshop for Tutors, Writers and Editors of Teachers Advancement Programme, National Teachers Resource Centre August, 2002. |
| **REFEREES** |  |
| 1. | Dr. Abdalla Rashid Mkumbukwa, |
|  | Dean, School of Natural and Social Sciences, |
|  | The State University of Zanzibar, |
|  | Zanzibar, Tanzania. |
| 2. | Dr. Sara Abdalla Khamis, |
|  | Head, Department of Natural Sciences, |
|  | The State University of Zanzibar, |
|  | Zanzibar, Tanzania. |
| 3. | Dr. Peane Patrick Maleka, |
|  | Department of Subatomic Physics, |
|  | NRF/iThemba LABS, |
|  | Somerset West, South Africa |