

Mary Mtumwa Khatib

State University of Zanzibar, Department of Geography

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BIO

I am a lecturer and head of the Research Center of Oceanography, Environment and Natural Resources (TROCEN) in the School of Natural and Social Sciences at the State University of Zanzibar. Formerly, I was a Research Officer at the Research Office in the Department of Planning, Policy and Research at the Zanzibar government's Ministry of Education and Vocational Training. I completed my PhD in Geography at the University of Dar Es Salaam, Tanzania. My dissertation, titled "A Changing Climate: Local Adaptations in Northern Coastal Communities' Livelihoods of Unguja Island, Zanzibar," examined the effects of the changing climate on local livelihoods highly dependent on coastal resource extraction in northern Unguja island, Zanzibar and worked to the various research projects that are related to climate change adaptation and livelihoods. Currently I am the Co-PI for the Project " Himili Pamoja: Gendered Encounters to Climate change Adaptation in Tanzania, funded by DANIDA. The project aims to strengthen gender-transformative approaches in district and community level climate change adaptation in four districts in rural Tanzania (including Unguja and Pemba) in support of sustainable livelihoods and justice for future generations in rural Tanzania. Also, worked as Project Manager for GeoICT4e project and Climate change expert under the National Consultancy for Developing an Information and Knowledge Management System to Inform Climate Change Adaptation Planning in Tanzania Mainland and Zanzibar

EDUCATION

University of Dar Es Salaam, Tanzania

PhD in Geography

2019 Dissertation: "A Changing Climate: Local Adaptations in Northern Coastal Communities' Livelihoods of Unguja Island, Zanzibar"
Advisor: Dr. Christopher M. P William

2010 **University of Dar Es Salaam, Tanzania** Master of Arts in
Geography and Environmental Management Dissertation: "

Anthropogenic Impacts of Climate Change on Mangrove Forests and Resultant Implications on Human Livelihoods. The Case of Jozan -Chwaka Bay National Park, Zanzibar”

Advisor: Prof. P. S. Maro

2006 **State University of Zanzibar**, Tanzania
Bachelor of Arts (Hons) in Education, Geography

ACADEMIC APPOINTMENTS

2020 Lecturer in Geography, State
University of Zanzibar, Department of
Geography

PROFESSIONAL & RESEARCH EXPERIENCE

2023/ Climate Change Expert under NAP: Integrating climate change
24 adaptation Into Tanzania’s planning processes - UNDP-
Consultancy - GCF/TZN-RS 002

2022/- Co-IP, **Himili Pamoja: Gendered Encounters in Climate Change
Adaptation in Tanzania.** Collaborative Project with State
University of Zanzibar, Copenhagen University and University of
Dar es Salaam. Funded by the Danish International Development
Agency (DANIDA)

2021 Principal Investigator, **Upgrading of Joint Marine Infrastructure
in
Zanzibar Support Blue Economy**, Funded by the Tanzania
Commission for Science and Technology (COSTECH)

2021 Principal Investigator, **Tabianchi, Tabiawatu: Coastal
Livelihoods,
Islamic Ethics, Climate Change in Zanzibar’s Blue Economy**,
Funded by Research on Poverty Alleviation (REPOA), Tanzania

2021 Assistant Coordinator, Social Innovations in Geo-ICT education at
Tanzanian HEIs for improved employability- GEOICTe4.
Collaborative Project with State University of Zanzibar, Ardhi

- University, Moshi cooperative University, Sokoine University of Agriculture, University of Dar es Salaam, NOVIA, TUAS, UTU- (2020-2024); Funded by EDU-FI- Finland;
- 2021 Lead Consultant, Diagnosis Study of Community Engagement on Public Secondary Schools, EQSSE-Z project- Good Neighbors Zanzibar Branch
- 2021/- Mother School Facilitator, Mother Schools: Parenting for Peace, Sponsored by Zayadesa
- 2020 Attend in Scientific Research Paper Writing Training Workshop – The Tanzania Commission for Science and Technology (COSTECH)
- 2020 Co-PI, **Oceanic Power: Gulf Aid, Islamic Ethics & Climate Change in Zanzibar’s Offshore Search for Oil & Gas**, with Caitlyn Bolton & Issa Ziddy, Funded by Social Science Research Council(SSRC)
- 2019 Research Officer, *Department of Planning, Policy and Research*, The Ministry of Education and Vocational Training, Zanzibar
- 2018 Project Leader, *Mother Cycle Zanzibar*, sponsored by Zayadesa
- 2017 Research Assistant, “The Midterm Assessment for Conservation Education Programme Under EAMCEF Support in the Eastern Arc Mountains”
- 2017 Assistant developer: Environmental Education Module under support of Eastern Arc Mountains- EAMCEF
- 2016 Research assistant, review of “Empowering Communities through PFM, REDD+ and Climate Change Initiatives (ECOPRC)” project, an agreement between Government of Norway and Tanzanian Ministry of Foreign Affairs
- 2016 Research Assistant, Zanzibar Electricity Corporation (ZECO) assessment of corporate culture, financed by Swedish International Development Cooperation Agency (SIDA)

- 2016 Research Supervisor, UNICEF project studying Out of School Children in Zanzibar

- 2015 Research Assistant, “Baseline and Impact Assessment of Climate Change Impacts, Adaptation and Mitigation (CCIAM) Programme in Tanzania—Zanzibar, financed by the Sokoine University of Agriculture

- 2014 Institute coordinator, “Impact Assessment of Norwegian Support to the Energy and Road Sectors in Pemba, Zanzibar. International Law and Policy (ILPI)

CONFERENCE PARTICIPATION

2024 **Climate Change in Zanzibar: Coastal Communities, Livelihood Adaptation and Environmental Justice in the Indian Ocean rim**, presented at *Intertwined Ecologies and Interconnected Histories: The Indian Ocean Rim*,’ from December 6-8, 2024, in Sharjah, UAE

2023 **Oceanic Livelihoods and Environmental Degradation in the Indian Ocean**, Zanzibar, Tanzania, funded by *Thematic Working Group Project Grant*, Social Science Research Council (SSRC)

2023 **The NORHED Week In Tanzania** Monday 9th – Friday, 13th October, 2023
PROGRAMME

2024 **Climate Change in Zanzibar: Coastal Communities, Livelihood Adaptation and Environmental Justice in the Indian Ocean rim**, presented at *Intertwined Ecologies and Interconnected Histories: The Indian Ocean Rim*,’ from December 6-8, 2024, in Sharjah, UAE

2021 **“The Blue Economy’s Black Gold: Climate Change, Islam, and Zanzibar’s Search for Oil,”** presented at the 12th International Convention of Asia Scholars, Kyoto, Japan: Kyoto Seika University, August 2021, with Caitlyn Bolton and Issa Ziddy

2019 **“Knowledge Synthesis for Evidence-Based Policy Making.”** Workshop sponsored by Tanzania Commission for Science and Technology (COSTECH), Institute of Development Studies (University of Dar Es Salaam), and the Human Development Innovation Fund (HDIF)

2017 **“Spatial and Temporal Analysis of Change in the Zanzibar Urban West Coastal Forests and the Resultant Implication on Human Livelihood.”** Poster presentation at *Scientific Symposium*, Western Indian Ocean Marine Science Association

2014 **“Climate change in East Africa: Case of Zanzibar.”** Paper presented at the *International Conference Series*, Istanbul Sabahattin Zaim University

2014 **“Spatial and Temporal Analysis of Changes in the Zanzibar Urban West Coastal Forests and the Resultant Implication on Human Livelihoods.”** Paper presented at *1st Voice of Social Sciences- Annual International Conference*, University of Dar Es Salaam, Tanzania

PUBLICATIONS

Bakar, A., Hamadi, M., Nkonoki, E., & Khatib, M. (2024). The contribution of higher learning institutions in the geospatial ecosystem in Zanzibar: Current situation and future direction. *Library.Iated.Org*, 6975–6979.

Tanzania Institute of Education (2022) *Civics for Secondary Schools: Student’s Book –Form Three*. Editors: Benedict S. Mongula, Mary M. Khatib, David J. Manyerere, Japhace B. Poncian, Mabula G. Nkuba and Deoscorous Ndoloi

Khatib, M. M., William, C. P., Shaghude, Y. W., & Kangalawe, R. Y. M. (2018). **Livelihood Continuity and Change: Adaptation to Climate and Environmental Change in Northern Unguja, Zanzibar 1916-2016.** *Journal of the Geographical Association of Tanzania*, 39(1), 208-255.

Khatib, Mary Mtumwa. (2014). **“Climate Change in East Africa: Case of Zanzibar,”** in Mehmet, B., and Hones, T., (Eds.), *Turkish-African Relations: Towards Economic, Political and Social Understanding*. Ankara, Turkey: Ankara Centre for Thought and Research.

Khatib, M. M., and Shaghude, Y. W. (2014). **Anthropogenic Impacts of Climate Change and Variability on Coastal Freshwater Resource in Zanzibar: Case of Kiwengwa and Pwani Mchangani Villages,**” Proceedings of the 1st international conference on Global Crisis and Countries in Transition, International University of Sarajevo, Bosnia and Herzegovina, pp 320- 335.

ACADEMIC AND INSTITUTIONAL SERVICE

2024 – (Vice Chairperson), Zanzibar Statistics Board

2023 - Board Member, Zanzibar Environmental Management Authority

2022- Member, *Working Group on Oceanic Livelihoods and Environmental Degradation*, Social Science Research Council (SSRC)

2019-2022 Board Member, Karume Institute of Science and Technology, Zanzibar

2021 Reviewer, *Journal of Modern Environmental Science and Engineering*

RESEARCH SUPERVISION

2019- Graduate and undergraduate students in climate change, natural resource management and environment at the State University of Zanzibar