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**MUHIMBILI UNIVERSITY OF HEALTH AND
ALLIED SCIENCES (MUHAS)**

PROGRAMME BOOK

14TH

**MUHAS SCIENTIFIC
CONFERENCE**



July 1st - 3rd 2026
Dar es Salaam, Tanzania



EACoECVS, MUHAS
Mloganzila Campus



GUEST OF HONOUR

PROF. ADOLF MKENDA

Minister for Education, Science and Technology.

MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES 14TH MUHAS SCIENTIFIC CONFERENCE

THEME

Innovating for Resilient and Sustainable Universal Health Coverage in the Era of
Shifting Global Health Financing

MLOGANZILA CAMPUS, DAR ES SALAAM

JULY 01st - 03rd, 2026

PROGRAMME AT GLANCE

Conference Secretariat

Directorate of Research, Publications and Innovations - MUHAS

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Day 1: Wednesday, 01st July 2026

Rapporteur: Neema Massawe

ALI HASSAN MWINYI AUDITORIUM

Time	Activity	Person Responsible
06:30 - 08:00 hrs	Arrival, Registration of delegates, and Breakfast	Organizing Committee
08:00 - 08:30 hrs	Arrival of Various Government Leaders	MUHAS Management
08:30 - 09:00 hrs	Arrival of the Guest of Honour	Vice Chancellor, MUHAS
09:00 - 09:30 hrs	Guest of Honour Tours Exhibition Booths	Chairperson, Organizing Committee
09:30 - 09:45 hrs	Guest of Honour Enters the Auditorium	MC
09:45 - 09:50 hrs	National Anthem and East African Community Anthem	MC
09:50 - 10:00 hrs	Introduction and Summary of the 14th MUHAS Scientific Conference	Chairperson, Organizing Committee
10:00 - 10:10 hrs	Welcome Remarks	Vice Chancellor, MUHAS
10:10 - 10:20 hrs	Greetings from the Dar es Salaam Region	Regional Commissioner, Dar es Salaam
10:20 - 10:30 hrs	Greetings from the Sister Institutions	Representative from MNH, JKCI, MOI, ORCI
10:30 - 10:40 hrs	Greetings from the Embassy of Sweden	Ambassador of Sweden: Swedish Ambassador
10:40 - 11:10 hrs	Speech by the Guest of Honour of the 14th MUHAS Scientific Conference	Minister for EST
11:10 - 11:40 hrs	Keynote Address: <i>Reorganising Health Systems in Africa: Prioritising Innovation and Research for Evolving Global Health Challenges</i>	Prof. Nathanael Sirili
11:40 - 11:50 hrs	Signing the MoU Between MUHAS and AUDA-NEPAD	MC
11:50 - 12:00 hrs	Launching of Next Generation Sequencing at MUHAS	MC

12:00 - 12:20 hrs	Award Presentation - Research and Professional Consultancy	Chair of the Award Committee
12:20 - 12:35 hrs	Group Photo and Media Briefing	MC and Organising Committee
12:35 - 13:30 hrs	Lunch Break	All
13:30 - 15:00 hrs	Youth Forum: Youth Innovations in the Era of Shifting Global Financing	Dr. Vanessa Rutabana & Dr. Gema Salia
End of Day 1		

Day 2: Thursday 2nd July 2026

Chair: Prof. Billy Ngassala
 Rapporteur: Joel Mpoyiki
 Plenary Sessions - Prof. Nahya Salim

Venue: Ali Hassan Mwinyi Hall

Following the Newborn Journey: Strengthening Newborns Respiratory Care Through the Breath for Babies (BfB) Package in a Hub-and-Spoke Network

0800 - 0900 hrs

Poster viewing

0900 - 1000 hrs

Tea Break- 10:00 - 11:00 hrs

KIKWETE HALL	ALI HASSAN MWINYI AUDITORIUM	MKAPA HALL	MAGUFULI HALL
Traditional and Alternative Medicine, Drug Discovery and Vaccine Development	Non-communicable Diseases, Mental Health, Surgery and Nutrition	Health Systems Research	Maternal Newborn, Child and Adolescent Health
Chair: Dr. Pax Masimba	Chair: Dr. Pedro Pallangyo	Chair: Prof. Anna Kessy	Chair: Prof. Francis Furia
<i>Rapp: Loveness Mlonge</i>	<i>Rapp: Iris Kisoka</i>	<i>Rapp: Silvano Agustine</i>	<i>Rapp: Kennedy Sawe</i>

Parallel Sessions

Session 1

TIME: 11:00 - 13:00 hrs

Charles Michael	Dr. Simon Elizeus	Dr. Fransia Arda Mushi	Nuru Mwaluwinga
Antibacterial Potential of Soil-Dwelling Bacteria from Semi-Arid Soils in Tanzania	Recurrence Patterns and Associated Factors Among Early Breast Cancer Patients Undergoing Breast-Conserving Surgery Versus Mastectomy	The Economics of Kidney Replacement Therapy in Tanzania, Generalizable State transition model for policy-driven CEA	Associated Outcomes in Pre-eclamptic Women Presenting with Ascites at Muhimbili National Hospital

<p>Nemes J Mashoko</p> <p>Exploring Volcanic Soil from Oldonyo Lengai Mountain as a Potential Source of Untapped Antibiotic-Producing Bacteria</p>	<p>Neema H. Hawanga</p> <p>Association between the (BASIC) MRI Score and Neurological Status in Traumatic Cervical SCI at MOI</p>	<p>Tunganega Matipa</p> <p>Evaluation of Implementation of Newborn Screening for Sickle Cell Disease Program in Selected Hospitals</p>	<p>Kasindo Amandus Deusdedith</p> <p>Understanding, Experiences, and Perceptions on Gestational Weight Gain Among Pregnant Women at Mbagala Rangi Tatu</p>
<p>Flavian B Sanga</p> <p>Exploring Regulatory Compliance Challenges and Common Herbal Medicine Registration Dossier Deficiencies Encountered in Tanzania Mainland</p>	<p>Dr Alfred Jubilate</p> <p>Assessment of KAP Among Caregivers of People with Haemophilia Attending Clinic at MNH In Tanzania</p>	<p>Gloria Shalua Magandi</p> <p>Tramadol use and associated factors among Commercial Motorcyclists in Mwanza city, Tanzania</p>	<p>Stella Emmanuel Mushy</p> <p>Denied, Judged, Misunderstood: Socio-Cultural Myths and Misconceptions on the Sexual and Reproductive Health of Persons</p>
<p>Elivado Kilembe</p> <p>Exploring Antibiotic-Producing Bacteria in Soils from Selected Plantations in Rural Sumbawanga, Tanzania</p>	<p>Humphrey Medarakini</p> <p>Clinical Profile, Prevalence, and Associated Factors of Adverse events among adults undergoing Procedural Sedation</p>	<p>Dr Eulambius Mlugu</p> <p>Strengthening Health Supply Chain Management Capacity: Stakeholder Perspectives and Master's Program Development in Tanzania</p>	<p>Tamimu Said</p> <p>Lived Experiences of Women who have Undergone Emergency Peripartum Hysterectomy at MNH in Tanzania.</p>
<p>Yusuph Erenest Maswaswa</p> <p>In-Vitro and In-Silico Evaluation of Safety</p>	<p>Rajabu Athumani Bakari</p> <p>Anterior Chest Wall</p>	<p>Dr. Hussein Mohamed</p> <p>Factors Associated</p>	<p>Emmanuel Mashyaka</p> <p>Emotional and</p>

WETE HALL	ALI HASSAN MWINYI AUDITORIUM	MKAPA HALL	MAGUFULI HALL
<p>Abdalla Juma</p> <p>Evaluation of Chemical Contaminants and Antimicrobial Activity of TAHPC-Registered Herbal Medicines Used For UTI, in Tanzania</p>	<p>Dr. Rehema Nina</p> <p>Prevalence of Internalised Stigma and Associated Factors Among Out-Patients with Severe Mental Illness at MNH</p>	<p>Alicia Kahumuza</p> <p>HIV Service Provision Cost at Two Health Facilities Linked to Expanded Total Facility Approach in Tanzania</p>	<p>Asha Abel</p> <p>Knowledge, Attitude and Practice of Antenatal Health Care Providers on the Management of Gestational Diabetes</p>
<p>Vicent L Nsolele</p> <p>In Vivo Evaluation of Anti-Inflammatory Activity of <i>Clematis lasiantha</i> Leaf Used Traditionally for Asthma</p>	<p>George Joseph Lufukuja</p> <p>Morphological Patterns and Role of Vascular Smooth Muscle Cells in the Progression of Coronary Atherosclerosis</p>	<p>Elizabeth Nguma</p> <p>Strengthening Stigma-Free Healthcare in Tanzania Through Expanded Total Facility Approach Intervention: Implementation and Best Practices</p>	<p>Dr. Gloria Mrosso</p> <p>Effectiveness of Innovated Eye Shield for Phototherapy Compared to Improvised Materials and Imported Eye Shield</p>
<p>and Antibacterial Activity of Plant-Extracts Against Drug-Resistant Bacterial Strains</p>	<p>Leiomyoma in a 4-Year-Old Girl: A Rare Pediatric Case</p>	<p>with Vulnerability and Response Preparedness to Ebola Virus Disease in Six High-Risk Regions</p>	<p>Professional Impact of Maternal Death on Maternity Care Providers at MNH</p>
12:40 - 13:00 hrs	Discussion		
13:00 - 14:00 hrs	Lunch break		

Satellite Sessions - 1
TIME: 14:10 - 16:00 hrs

MAGUFULI HALL:	ALI HASSAN MWINYI AUDITORIUM:	MKAPA HALL:
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<p>Topic: The Last Mile: From AI Proof-of-Concept to Sustainable Health Commercialisation: Bridging the valley of death between innovation and scalable deployment</p>	<p>Topic: Breaking the Silence and navigating menopause: Awareness, Preparedness and Support for Female Health Professionals</p>	<p>Topic: Public Health Genomics: Translating Genomic Discoveries into Population Health Impact in Tanzania and Africa</p>
<p>Speakers:</p> <ol style="list-style-type: none"> 1. Dr. Deogratus Mzurikwao 2. Dr. Sangudi Sangudi 3. Mr. Hassan Alam 4. Dr. Heri Marwa 5. Nicoline Van De Berg <p><i>Rapp: Liberatus Misana</i></p>	<p>Speakers:</p> <ol style="list-style-type: none"> 1. Dr. Mary Msando 2. Dr. Anna Ghaham 3. Dr. Muzdalifat Abeid 4. Dr. Maryam Amour 5. Dr. Lilian Mnabwiru 6. Dr. Matilda Ngarina <p><i>Rapp: Hidaya Kassim</i></p>	<p>Speakers:</p> <ol style="list-style-type: none"> 1. Dr. Siana Nkya 2. Dr. Mariam Nooran 3. Dr. Eric Rasmussen 4. Dr. Clara Chamba 5. Prof. Micky Matee 6. Dr. Elias Nyanda 7. Dr. Fidelis Bugoye 8. Dr. Dative Pereus 9. Dr. Vicky Nembaware 10. Dr. Emmanuel Saukiwa 11. Prof. Raphael Z. Sangeda <p><i>Rapp: Judith Swai</i></p>

Parallel Sessions			
Session 2 TIME: 16:10 - 17:30 hrs			
KIKWETE HALL	ALI HASSAN MWINYI AUDITORIUM	MKAPA HALL	MAGUFULI HALL
<p>Communicable Diseases and Antimicrobial Resistance</p> <p>Chair: Prof. Joel Manyahi</p> <p><i>Rapp: Liberatus Boniventure</i></p>	<p>Non-communicable Diseases, Mental Health, Surgery and Nutrition</p> <p>Chair: Prof. Pascal Ruggajo</p> <p><i>Rapp: Kennedy Sawe</i></p>	<p>Maternal Newborn, Child and Adolescent Health</p> <p>Chair: Dr. Matilda Ngarina</p> <p><i>Rapp: Loveness Mloge</i></p>	<p>Health System Research</p> <p>Chair: Prof. Tumaini Nyamuhanga</p> <p><i>Rapp: Iris Kisoka</i></p>

<p>Faiza Mohamed Juma</p> <p>Drivers influencing antibiotics use in pediatric wards across five public hospitals in Zanzibar.</p>	<p>Anushka Somaiya</p> <p>Predictive Performance of Perfusion Index, Shock Index, and NEWS-Score in Critically-Ill Adult Patients at Emergency at MNH</p>	<p>Shaban Busega</p> <p>Building Data Quality Infrastructure for Neonatal Implementation Research: Lessons from the BfB Study</p>	<p>Dr. Malale Tungu</p> <p>Effectiveness of Priority Setting for the Provision of Health Care Services at CHS in Tanzania</p>
<p>Emilia Kitambala</p> <p>Early Effectiveness of Expanded Total Facility Approach Intervention in Addressing Stigma and Discrimination in Tanzania</p>	<p>Benson Kinyua</p> <p>Levels of Self-Monitoring and Management of Blood Pressure Practices Among Adult Patients Diagnosed with Hypertension</p>	<p>Kiswagala Issa</p> <p>Barriers to Postpartum Family Planning Use Among Women Delivered at Muhimbili National Hospital</p>	<p>Gift Lukumay</p> <p>Standardised Patients' Experiences of Portraying Clients with Sexual Health Concerns in Sexual Health Curriculum Development</p>
<p>Graca Marwerwe</p> <p>Sustaining HIV Stigma Reduction Practices After the Total Facility Approach in Ghana and Tanzania</p>	<p>Jackson Duma</p> <p>Clinical Characteristics and Predictors of in-Hospital Mortality Among Cervical Cancer Patients Presenting with Renal Dysfunction</p>	<p>Teresa Mbewe</p> <p>The Hidden Burden: Psychological Distress Among Pregnant Adolescent Girls in Malawi"</p>	<p>Wahda Miraji Iddi</p> <p>Evaluating the performance of monitoring and evaluation system in HIV/AIDS Intervention: A Case Study of TACAIDS</p>
<p>Ramadhani Libenanga</p> <p>Bringing Advanced Diagnostics Closer: National Public Health Laboratory Mobile Biosafety Level-3 Units</p>	<p>Dr. Gladys Reuben Mahiti</p> <p>Minimum Dietary Diversity and Meal Frequency Among Tanzanian Children Aged 6-23 Months in Stunted Regions</p>	<p>Dr. Fadhlun M Alwy Al-beity</p> <p>Effects of the 4-Component ALERT Intervention on Stillbirth and</p>	<p>Alma Omega Damasy</p> <p>Developing a Centre of Excellence for Essential Emergency and Critical Care in</p>

Strengthen Marburg Response		Early Neonatal Deaths: A Stepped-Wedge Cluster-Randomised Trial in four sub-Saharan African countries	Tanzania
Dr. Maryam Amour Serial IGRA Testing of Tanzanian Adolescents to Detect TB in Households and Close Contacts	Dr. Dorice Remmy Short-Term Mortality Prediction by Systemic Immune-Inflammatory Index in Adult Patients with Sepsis in ICU, Tanzania	Jofrey Mtewe Knowledge, Perceptions, and Cervical Cancer Screening Uptake Among Women Attending Health Facilities in Mtwara, Tanzania	Dr. Merina D. Tupa Forty-Eight Hours in-Hospital Mortality and Associated Factors Among Patients Admitted at Muhimbili National Hospital
Natorias Mgaya Salvatory Time to First-Line ART Failure and Its Predictors among People Living with HIV in Tanzania	Debora Florens Samila Prognostic Role of Chemotherapy-Induced Neutropenia Among Colorectal Cancer Patients at Ocean Road Cancer Institute, Dar es Salaam	Fredrick A. Maleko Trial of Zinc Supplements for Young Infants with Clinical Severe Infection in Tanzania	Aneth Kaliza Healthcare Workers' Knowledge About Essential Emergency and Critical Care in Primary Health Care in Tanzania
17:30 - 18:00 hrs	Discussion		
18:00 - 18:05 hrs	Chairpersons wrapping up		
END OF DAY TWO			

Day 3: Friday 3rd July 2026	
07:00 - 8:30 hrs	Arrival, On-site Registration, Breakfast & Poster Viewing
ALI HASSAN MWINYI AUDITORIUM	
Chair - Prof. Eligius Lyamuya Rapporteur - Joel Mpyiki Keynote Address: Dr Juma Mfinanga Topic: Pandemic Preparedness 08:30 - 09:30 hrs	
Parallel Sessions	
Session 3	
TIME: 09:35 - 10:35 hrs	

ALI HASSAN MWINYI AUDITORIUM	BENJAMIN MKAPA HALL	JAKAYA KIKWETE HALL	JOHN MAGUFULI HALL
Non-communicable Diseases, Mental Health, Surgery and Nutrition Chair: Dr. Peter Kisenge <i>Rapp: Neema Massawe</i>	Health System Research Chair: Dr. Julius Mwaiselage <i>Rapp: Hidaya Kassim</i>	Maternal, Newborn, Child and Adolescent Health Chair: Prof. Karim Manji <i>Rapp: Silvano Augustine</i>	Artificial Intelligence and Technology Chair: Dr. Felix Sukums <i>Rapp: Liberatus Boniventure</i>
Mahmoud Idrisa Abeid Prevalence And Factors Associated with Post-Stroke Cognitive Impairment Among Stroke Survivors at Mloganzila Hospital	George Bwire Beyond Health Facilities: Exploring Community Drug Outlets as Vaccination Platforms in Tanzania	Baldwina Tita Olirk Maternal Occupation and Risk of Adverse Fetal Outcomes in Tanzania: A Hospital-Based Cross-Sectional Study	Justus Emmanuel Makaranga Smart Scan: An AI-Powered Intelligent Diagnostic Solution for Early Detection, Musculoskeletal Injury Prevention, and Performance Enhancement

<p>Dr. Sarah Kutika Nyagabona</p> <p>Treatment Pathways and Early Outcomes Among Tanzanian Women with Breast Cancer by HIV Status</p>	<p>Edna Kibango</p> <p>Why Are Severe Malaria Patients Still Dying? A Mixed-Methods Study in Katavi Region, Tanzania, 2024-2025</p>	<p>Leyla Mussa Natty</p> <p>Person-Centred Maternity Care and Associated factors Among women Delivering at Muhimbili National Hospital</p>	<p>Mr Ben Anania Tweve</p> <p>(AI) Based (CDSS for Acute Emergency Care (AEC) of Stemi Patients Based on Standardised Management</p>
<p>Agnes J Yongolo</p> <p>Prevalence and Correlates of Prediabetes Among Adults in Mbeya City, Tanzania: Community-Based Cross-Sectional Study</p>	<p>Dr. Gregory G. Mandari</p> <p>UBORA: An Integrated Framework for Healthcare Quality Culture, Operational Excellence and Patient Safety</p>	<p>Mpoyi Mukeba Constantin</p> <p>Factors Associated with Maternal Mortality Among Referred Patients with Postpartum Haemorrhage who Underwent Surgical Management</p>	<p>Protas Edson</p> <p>TANZ-HEART: Community-led, AI-Enabled Detection and Linkage for Hypertension, Atrial Fibrillation, and Heart Failure in Tanzania</p>
<p>Mr. Justice D. Kasindo</p> <p>Genotyping Of Cyp2d6 Alleles in Tanzanian Breast Cancer Patients Using Oxford Nanopore: A Pilot Study</p>	<p>Shivangi Mandania</p> <p>Effectiveness of Structured-Handover-Checklist in the Post-Anaesthesia-Care-Unit on Reducing Information Loss and Complication Rates at MNH</p>	<p>Daud Vitalis</p> <p>Knowledge, Perceptions and Factors Influencing Use of Assisted Reproductive Technology</p>	<p>Masoud Mahundi</p> <p>AI-Based Democratisation of Data to Primary Health Care Providers</p>

Dr. Naveeda Adam	Dr. George Bwire	Gisila Barunguza	Jeremiah Kihunrwa
Prevalence of Liver Fibrosis in Hepatitis B Patients Using Transient Elastography and Non-Invasive Tests	Community Pharmacies as Emerging Platforms for HIV Prevention and Treatment Delivery in Urban Tanzania	Levels Of Physical Activity and Associated Factors Among Pregnant Women Attending Antenatal Clinic at Mbagala	Diagnostic Performance of Artificial Intelligence versus Emergency Clinicians in Chest X-ray Interpretation in Tanzania

Hassan Thabit Haji	Manase Kilonzi	Saada Abdallah Amous	Prof. Kahabi Isangula
Predictors of Urinary Autonomic Dysfunction in Patients with Type 2 Diabetes Mellitus in Zanzibar	Baseline Assessment and Strengthening of Pharmaceutical Cold Chain Systems in Humanitarian and Rural Settings	Facilitators and Barriers for Health Care Providers in Implementing MBTP in Management of Obstetric Haemorrhage	The Quest for Simplicity: Building an AI-Powered Cough Analysis for Respiratory Diseases Diagnosis in Tanzania
Rajabu Athumani Bakari	Hussein Athuman Kapuya	Theresia John Masoi	Modester Cosmas Kitula
Factors Determining the Surgical Outcomes in Infantile Hypertrophic Pyloric Stenosis at Muhimbili National Hospital, Tanzania	Assessing a Health Facility Governing Committee's Strengthening Intervention to Improve Social Accountability in Tanzania	Developing and Testing the Effectiveness of a Contextualised M-Health Integrated System for Reporting Obstetric Violence	Development and Validation of Machine-Learning Enhanced Multispectral-Imaging Model for Rapid Screening of Improperly Stored Medicines
10:35 - 10:45 hrs	Discussion		

Parallel Sessions			
Session 4			
10:50-11:50 hrs			
ALI HASSAN MWINYI AUDITORIUM:	THE BENJAMIN MKAPA HALL	THE JAKAYA KIKWETE HALL	THE JOHN MAGUFULI HALL
<p>Oral, Eye, ENT</p> <p>Chair: Prof Milka Mwafiri</p> <p><i>Rapp: Judith Swai</i></p>	<p>Non-communicable Diseases, Mental Health, Surgery and Nutrition</p> <p>Chair: Prof Reuben Mutagaywa</p> <p><i>Rapp: Iris Kisoka</i></p>	<p>Communicable Diseases and Antimicrobial Resistance</p> <p>Chair: Prof. Agricola Joachim</p> <p><i>Rapp: Loveness Mloge</i></p>	<p>Health Systems Research</p> <p>Chair: Prof. Doreen Mloka</p> <p><i>Rapp: Kennedy Sawe</i></p>
<p>Felister G Kiwelu</p> <p>Beyond Guideline Development: Exploring Facilitators and Barriers to Diabetic Retinopathy Screening Among Patients and Providers</p>	<p>Castory Munishi</p> <p>Health Effects of Sustained Dietary Changes in 14 Sub-Saharan African Countries: A Modelling Study</p>	<p>Mbwana Mohamed Kasim</p> <p>Metagenomic Profiling of Antibiotic Resistance Genes in the Gut Microbiota of Urban and Rural Populations</p>	<p>Ridhiwani Hamidu Manyuti</p> <p>Assessment of Disaster Preparedness, Barriers and Associated Factors Among Community Healthcare Workers in Dar es Salaam, Tanzania.</p>

<p>Denis Richard</p> <p>Assessing Correlation Between Dental Age, Skeletal Age, and Chronological Age Among 8-16-Year-Old Orthodontic Patients Attending at MNH</p>	<p>Rajab Siaba Msemo</p> <p>Predictors of Surgical Outcomes Following Colorectal Resection for Malignancies at Muhimbili National Hospital</p>	<p>Felistar W. Mwakasungura</p> <p>Clustering of Multiple Risk Behaviours Among Young Adults in Tanzania: A Nationally Representative Cross-Sectional Study</p>	<p>Isaac Dawa</p> <p>Challenges Facing HFGCs and Their Impact on Quality Health Service Delivery in Mtwara Municipal.</p>
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<p>Lightness Amani Gelakwila</p> <p>The Journey of Embracing Life: Parents' Perspectives of Living with their Children with Retinoblastoma</p>	<p>Linda B. Mlunde</p> <p>The Validation of Experienced Drug Use Stigma Measures Among People Who Use Drugs in Tanzania</p>	<p>Meshack Lugoba</p> <p>Unlocking the Antimicrobial Potential of Endophytic Metabolites Against Antimicrobial Resistance: Fractionation and Integrative Omics Approaches</p>	<p>Samwel Kikaro</p> <p>Financial Vulnerability and Targeted Inpatient Support in a Rural Hospital Setting: A Descriptive Programme Review</p>
<p>Colman Mauki</p> <p>Self-Medication in Ophthalmic Care and Its Associated Factors in a Tertiary Eye Unit.</p>	<p>Deogratias Mtei</p> <p>Systemic Immune Inflammatory Markers in Predicting Cervical Cancer Treatment Outcomes in Tanzania</p>	<p>Faithness Kiondo</p> <p>Retention in HIV Pre-Exposure Prophylaxis Among Men at Risk in Tanga, Tanzania</p>	<p>Dr. James Mwakaheesya</p> <p>Cross-Sectional Study Evaluating Chest Radiography for Detecting Aortic Arch Atherosclerosis Among Adults At JKCI, 2024-2025.</p>
<p>Suzana Mashiku Sabasaba,</p> <p>Oral Health Status and Related Behaviours Among Children with Developmental Disabilities in Dar Es Salaam</p>	<p>Samuel Ishimwe</p> <p>Towards Longitudinal Mental Health Diagnosis in Rwanda: A Narrative Review of Global Models and Local</p>	<p>Elizabeth A Adolph</p> <p>“How Will I Manage?”: Challenges of Ageing with HIV in Urban Tanzania</p>	<p>Zakia Khalfan Mgya</p> <p>Aesthetics over Health: Stakeholder Perceptions of Residential Window Design, Indoor Disease Risk And Energy Efficiency</p>

	Relevance		
Kedrick Ndyagati Oscar Ectoparasite infestation in domestic Dogs and Birds: A one health perspective on zoonotic risk	Innocent Ndabila Call for Sustainable Universal Health Coverage: High Burden of Variceal Bleeding Among Patients at MNH	Emmanuel Stephano Diagnostic Accuracy of Inflammatory Markers for Detection of Bloodstream Infections and Mortality Prediction in ICU	Lilian Gratian Mbelwa Comprehensive Analysis of the Research Portfolio of Muhimbili University of Health and Allied Sciences (MUHAS)
Dr. Ndulu Noni Naso mucociliary Clearance Time and Associated Factors Among Patients with Chronic Kidney Disease Attended at MNH	Naomi Godlisten Mrina Silent Struggles: Burnout among health professionals at Mirembe National Mental Health Hospital, Dodoma, Tanzania	Sebastian Marwa Spectrum of Respiratory Diseases, Associated Factors and Quality of Life Among Adult Patients at MNH	Samuel Likindikoki Integrating CETA and Motivational Interviewing to Improve HIV PrEP Engagement Among Women Who Use Drugs
11:50 - 12:00 hrs	DISCUSSION		

POSTER VIEWING AND NETWORKING TIME: 12:00 -12:30 hrs		
LUNCH & POSTER VIEWING 12:30 - 13:30 hrs		
Satellite Sessions - 2 TIME: 13:30 - 15:30 hrs		
KIKWETE HALL	THE ALI HASSAN MWINYI AUDITORIUM	THE BENJAMIN MKAPA HALL
<p>Topic: Preferences and Acceptability of Long-Acting TB Injectables in Tanzania, South Africa, Philippines and Indonesia</p> <p>Speakers:</p> <ol style="list-style-type: none"> 1. Prof. Doreen Mloka 2. Dr. Elizabeth A. Talbot 3. Dr. Johnson J. Lymo 4. Dr. Maryam Amour 	<p>Topic: Strengthening the AAPH-MUHAS Partnership: Lessons from the Past, Progress in the Present, and Vision for the Future</p> <p>Speakers:</p> <ol style="list-style-type: none"> 1. Prof. Andrea Pembe 2. Prof. Japhet Killewo 3. Dr. Mary Mwanyika-Sando 	<p>Topic: From Evidence to Action: Advancing Research, Policy, and Prevention of Gender-Based Violence and Violence Against Children in Tanzania</p> <p>Speakers:</p> <ol style="list-style-type: none"> 1. Dr. Moke Magoma 2. Dr. Felix Bugoye 3. Adv. Anna Kulaya 4. Ms. Sarah E. Porter 5. Mr. William Otuck 6. Ms. Miranda Eleonor 7. Ms. Lucy Tesha 8. Prof. Linda Mhando 9. Dr. Gerry Mshana
<i>Rapporteur: Hidaya Kassim</i>	<i>Rapporteur: Silvano Augustine</i>	<i>Rapporteur: Neema Masawe</i>
DISCUSSION		
Closing Ceremony Rapporteur: Joel Mpoyiki 15:30 - 16:30 hrs		
Presentation of recommendations: Chair - Conference Organizing Committee		
Awards		
Closing speech: GUEST OF HONOUR		
Photo Sessions		

END OF THE CONFERENCE

POSTER PRESENTATIONS
DAY 2 POSTER SESSION
COORDINATOR: Dr. WhiteFrank Frank

<p>Abrahaman Said Msellem</p> <p>Antimicrobial Stewardship Landscape using WHO/INRUD Methodology: Prescribing patterns, Determinants of Antibiotic Prescribing, and AWaRe Classification</p>	<p>Dr Adam Kilungu</p> <p>First-Time Donor Dominance Sustains Transfusion-Transmissible Infection Risk in Tanzania</p>
<p>Emanuel John Njuraki</p> <p>Association Between Climate Variability and Age-specific Malaria Incidence in Selected Regions of Tanzania, 2021-2024</p>	<p>Mussa A Kilua</p> <p>Molecular Characterisation of Antimicrobial Resistance and Virulence Genes in <i>Escherichia Coli</i> and <i>Klebsiella Pneumoniae</i> Isolated</p>
<p>Bahati Libenanga</p> <p>HIV-Syphilis Co-infection and its Determinants Among High-Risk Women in Njombe Region, Tanzania, 2026</p>	<p>Dr Mustafa Miraji</p> <p>TOOLCAP: Novel Tools to Improve Management of Paediatric Community-Acquired Pneumonia - A Randomised Controlled Trial</p>
<p>Erick Roman Kimario</p> <p>Tuberculosis Treatment Outcomes Among Patients with Diabetes Mellitus at Muhimbili National Hospital, Dar es Salaam</p>	<p>Alfateresia Mwasangama</p> <p>Comparison of Determinants of Unfavourable Tuberculosis Treatment Outcomes Among New and Recurrent Patients in Tanzania</p>
<p>Edmund Steven Kanjagaile</p> <p>Geospatial-Based Surveillance of Malaria Risk in Dar es Salaam Using a Hybrid 3DCNN+LSTM and CAModel</p>	<p>Flavian B Sanga</p> <p>Knowledge Gaps and Practices of Pharmaceutical Personnel Towards Combating Antimicrobial Resistance in</p>

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<p>Lilian Isack Marwa</p> <p>Perceived Barriers to Early Ultrasound Utilisation Among Pregnant Women Attending ANC at Mbagala Rangitatu Hospital</p>	<p>Tanzania's Community Pharmacies.</p>
<p>Annabel Itaeli</p> <p>Surveillance of Antibiotic Resistance in Clinical Isolates to Inform Antimicrobial Stewardship in Tanzania</p>	<p>Baraka Edgar Mlalo</p> <p>Factors Associated with Puerperal Women's Adherence to the Utilisation of Post-Natal Care Services in Moshi</p>
<p>Dr Biita Muhanuzi</p> <p>Combined Emergency Department Screening for Hepatitis B Virus and Hepatocellular Carcinoma: A Case of Muhimbili</p>	<p>Ridhiwani Hamidu Manyuti</p> <p>Acceptability and Feasibility of Sustained Mobile-Based Coordination Among Healthcare Professionals (Human & Animal) for Rabies Prevention in Dar es Salaam, Tanzania.</p>
<p>Rajabu Athumani Bakari</p> <p>Sutureless Abdominal Closure in Monozygotic Twin with Gastroschisis: A Case Report from Muhimbili National Hospital,</p>	<p>Fadhun M Alwy Al-beity</p> <p>Improving the Quality of Sexual Reproductive Health Training in Pre-Service Medical Education in Tanzania</p>
<p>Satrumin Shirima</p> <p>The Quality of Emergency care for children: Resources Disparities Between National and Regional Hospitals</p>	<p>Atuganile Twalondaga</p> <p>Prevalence and Factors Associated with Thyroid Hormone Abnormalities Among Neonates Admitted at BMC, Mwanza, Tanzania.</p>
<p>Raban Rameck</p> <p>An Innovative Feeding Support Package for Small Vulnerable Infants to Improve Nutritional and Health Outcomes</p>	<p>Ritha K Gelase</p> <p>Health Care Providers' Perspectives on Implementation of the Adapted World Health Organisation Labour Care Guide</p>

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<p>Rajabu Athumani Bakari</p> <p>A Rare Case of Spontaneous Rupture of Giant Sacrococcygeal Teratoma</p>	<p>Dorine Mushi</p> <p>Caregivers' Perceived Self-Efficacy on Uptake of HIV Early Infant Diagnosis among HIV-exposed infants in Tanzania.</p>
<p>Fadhun M Alwy Al-beity</p> <p>Implementation of New WHO Postpartum Haemorrhage Diagnostic Criteria in Routine Care: A Multi-Country Mixed-Methods Study</p>	<p>Goodbright M Said</p> <p>Depression and Associated Factors Among Women with Infertility Attending Gynaecology Clinic at Muhimbili National Hospital.</p>
<p>Gladys Reuben Mahiti</p> <p>Factors Associated with Comprehensive Knowledge of HIV Prevention Among Young Men in Tanzania</p>	<p>Fatma Said Khamis</p> <p>Prevalence and Factors Associated with Attention Deficit Hyperactivity Disorder Among Children Attending Muhimbili National Hospital</p>
<p>Happyness Nyaborogo</p> <p>Health Insurance and Maternal Health Outcomes in Tanzania: The Moderating Role of Healthcare Service Quality</p>	<p>Elizabeth Michael Kitonka</p> <p>Barriers to Accessing Safe Menstrual Hygiene Management Services Among Adolescent Girls in Mtwara District.</p>
<p>Joseph Matei Kayombo</p> <p>The wound-healing activity of Basella alba-based Leaf Extract Ointment in Albino Wistar Mice</p>	<p>Anthony Peter</p> <p>Explainable AI Platform for Discovery of Menin Inhibitors in Acute Myeloid Leukaemia</p>
<p>Suleiman Songopa</p> <p>Application of Thin-Layer-Chromatography(TLC) for the Detection of Conventional Drug Adulterants in Herbal Aphrodisiacs in Dar-es-Salaam.</p>	<p>Philipo F. Mfikwa</p> <p>Formulation and Evaluation of a Polyherbal Cream and Ointment for the Management of Ringworm.</p>

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	<p>Frank Chitamwebwa</p> <p>Mental Health Care Utilisation Among Women Who Use Drugs: Implementation Gap in Tanzania</p>
<p>Sifaely Mtaita</p> <p>Factors Influencing Pre-exposure Prophylaxis Engagement Among Women Who Use Drugs in Dar-es-Salaam, Tanzania: A Qualitative Study</p>	<p>Carolyn Mwashwa</p> <p>Participatory Design of a Theatre-based Intervention to Reduce Stigma Among Women Who Use Drugs</p>
<p>Naila Kanwal</p> <p>Impact of Brand Equity on Consumer Buying Behaviour of Mobile Phones: A Case Study of Karachi</p>	<p>Abbas Kiwae</p> <p>Critical Illness in Primary Health Care Facilities in Tanzania</p>
<p>Hillary Gideon Mushi</p> <p>Predictors of Loss to Follow-up Among Patients Receiving Antiretroviral Therapy in Njombe Region, Tanzania, 2017-2021</p>	<p>Thomas Finkbeiner</p> <p>Expanding Haematology Specialist Access in Tanzania Through Telemedicine: The AFYACA-MUHAS Collaboration</p>
<p>Dr. Clement Kabakama</p> <p>Prevalence of Host and Determinants of <i>Streptococcus</i> (GROUP -A) Infection Among School Children: A Cross-sectional Study.</p>	<p>Dr. Betty Maganda</p> <p>Addressing Health Supply Chain Management Capacity Gaps in Tanzania Through Continuing Professional Development</p>
<p>Antidius P. Rwehumbiza</p> <p>Predicting Third-Generation Cephalosporins Resistance Among Patients Attending Tertiary Facilities in Tanzania Using Machine Learning</p>	<p>Elibariki Mkumbo</p> <p>“We Feel Invisible”: How Critically ill Patients and Families Experience Hospital Care in Tanzania.</p>
<p>Ruth Manwele</p> <p>Magnitude and Predictors of Pelvic Fistula After Cervical Cancer Treatment at Ocean Road Cancer Institute</p>	<p>Auleria William Kadinge</p> <p>Antibiotic Price Formulation in Tanzania: Evidence from National Regulatory Import Permit Data 2010-2016</p>

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<p>Madalitso Muhakeya</p> <p>Exploring Potential Antifungal Agents from <i>Artemisia annua</i> L., Using In-vitro and In-silico Approaches.</p>	<p>Sabina D Hidat</p> <p>Screening for Antibacterial Agents from Soil-dwelling Bacteria from Selected Regions in Tanzania.</p>
<p>Deogratius Jacob</p> <p>Traditional and Alternative Medicine in Drug Discovery and Vaccine Development in Tanzania</p>	<p>Collin Nzunda</p> <p>Exploring Erythroid Cell Transcriptomics to Understand Regulation of Fetal Haemoglobin Expression in SCD</p>
<p>Christopher Jumanne Mzogo</p> <p>AfyaMama InsightAI: Multilingual AI Decision-Support for Maternal Health in Resource-Limited Settings</p>	<p>Ali Khamis Hamad</p> <p>e-Ceph: Development and Evaluation of an Affordable Software for Cephalometric Evaluation</p>

<p>Fr Raymond Athanas</p> <p>Participants' Perceptions Show Compensation Enables Survival but Raises Ethical Tensions in Tanzanian Prevention Trials</p>	<p>Baraka M. Morris</p> <p>Ethical Perceptions and Uptake of Sexual and Reproductive Health Services Among Unmarried Adolescents in Morogoro</p>
<p>Yunus A Jongo</p> <p>Healthcare Workforce Readiness for Artificial Intelligence: A Mixed-Methods Study in Northern Tanzania.</p>	<p>Karolina Mkenda</p> <p>POTT and Its Associated Factors Among Adults Who Underwent Trichiasis Surgery in the Coast Region</p>
<p>Regine Unkels</p> <p>From Insight to Action: Using Rapid Qualitative Analysis to Inform Co-design Processes with Adolescent Girls and Young Women for PMTCT-service Improvement in Tanzania</p>	<p>Daima Machang'u</p> <p>Co-Designing Adolescent-Responsive PMTCT Micro-Interventions for Pregnant and Postpartum AGYW Living with HIV in Tanzania: A Human-Centred Design Approach</p>

POSTER PRESENTATIONS	
DAY 3 SESSION	
COORDINATOR: Ms. Catherine Mwaisumbe	
<p>Julieth Mmasi</p> <p>Development and Validation of a Glucose-Based Method for the Quantification of Vancomycin -Hydrochloride Content in Powders for Injection.</p>	<p>Thomas Meshack Thomas</p> <p>Community-Based Hearing Screening Among School Children and Artisanal Miners in Geita, Tanzania: Implications for Inclusive</p>
<p>Dr Gladness August Mwaria</p> <p>Barriers and Facilitators of Corneal Transplantation Services in Tanzania, Stakeholders' Perspectives.</p>	<p>Zainabu Jumanne</p> <p>Development and Validation of Machine Learning-Enhanced Multispectral-Imaging Model for Rapid Screening of Falsified Emergency-Contraceptive Products.</p>
<p>Dr. Restituta Mushi</p> <p>Exploring the Role of Information and Communication Technologies (ICTs) in Transforming Learning at MUHAS</p>	<p>Saul Kalivubha</p> <p>Overcoming ELISA Hurdles: 3 Years of Experience in Serology at NIMR Mbeya</p>
<p>Evaline Damas Asenga</p> <p>Acceptability of Earplug Use Among Small-Scale Metal Workers in Dar es Salaam, Tanzania</p>	<p>Martha Namwaza Chipanda</p> <p>Assessment of Oral Health Status and Related Behaviours Among Children in Orphanage Centres in Dar es Salaam</p>
<p>Salma Mussa</p> <p>Profile and factors associated with refractive errors among preterm infants attending the pediatric eye clinic at MNH</p>	<p>Khadija Yahya Malima</p> <p>Women In Academia's Initiative and Early Impact 2025: Leveraging Existing MUHAS Strategies and Infrastructure.</p>

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<p>Rajabu Athumani Bakari</p> <p>Rare Case of Long Retained Button Foreign Body in Oesophagus Removed by Esophagotomy</p>	<p>Rajabu Athumani Bakari</p> <p>A Case of Hydrocele of the Canal of Nuck Mimicking Inguinal Hernia in a Young Girl</p>
<p>Ismail Rashid Ndaile</p> <p>Prevalence and Factors Associated with Depressive Symptoms among Healthcare Workers at Health Centres in Ilala District</p>	<p>Idrisa A Idrisa</p> <p>Perioperative Echocardiographic Profiles and Clinical Outcomes in Rheumatic Heart Disease at Jakaya Kikwete Cardiac Institute</p>
<p>Ingrid. A. Masilenge</p> <p>Radiation Skin and Gastrointestinal Toxicity in Cervical Cancer: Comparison Between Conventional and Hypofractionated Radiotherapy</p>	<p>Samiri A. Mkoma</p> <p>Determinants of Healthy Eating Knowledge and Practices Among Undergraduate Students at Muhimbili University of Health and Allied Sciences</p>
<p>Dr Safiel Meta</p> <p>Prevalence and Factors Associated with Alcohol Use Disorders Among Commercial Bus Drivers in Dar es Salaam</p>	<p>Helena Mwaipopo</p> <p>Problem Gambling among Undergraduate Students at Muhimbili University of Health and Allied Sciences, Tanzania</p>
<p>Dr. Mourice Nyangabo Mbunde</p> <p>Listening to Community Voices on Rabies: Insights from Geita District, Tanzania</p>	<p>Mudhihir Hamisi</p> <p>Post-Stroke Depression at MNH-Mloganzila: Correlates and Impact on Quality of Life and Functional Outcomes</p>
<p>Dr Anaam Kadri</p> <p>Prevalence and Associated Factors of NCDS Among PLHIV Compared to HIV-Potential Blood Donors</p>	<p>Beatrice Ronald Ngowi</p> <p>Diagnostic Performance of Point-of-Care Creatinine Test in Identifying Kidney Dysfunction Among Nephrology Patients</p>

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<p>Dr. Marylene A. Naho</p> <p>Role Of Mammography in Breast Cancer Molecular Subtypes Differentiation Among Patients Attending Muhimbili National Hospital</p>	<p>Benard Barnabas</p> <p>Optimisation of Experimental Parameters to Maximum Recovery of Viable Soil Bacteria for Antibiotic Discovery</p>
<p>Daniel Abihudi Saideya</p> <p>Patterns and Risk Factors Associated with Physical Trauma Among Patients Attending Tertiary Hospitals in Dodoma</p>	<p>Dr. Aamir Mohamedraza Kanji</p> <p>MRI Patterns and Determinants of Cervical Disc Degeneration in Atraumatic Neck Pain Patients at MOI</p>
<p>Dr. Wilson Nguge Bigambo</p> <p>Role of MRI Knosp Classification in Assessing Cavernous Sinus Invasion by Pituitary Macroadenoma at MOI</p>	<p>Melkizedeki Abdulahi</p> <p>Factors Associated with Adverse Birth Outcomes Among Women Delivering in Selected Health Facilities in Temeke</p>
<p>Elizabeth Simbeye</p> <p>Dietary Diversity, Physical Activity, and Nutritional Education in NCDs Prevention Among Scholarly Youths in Dodoma.</p>	<p>Fredrick Kirori Mwita</p> <p>Factors Associated with Two-Year Overall Survival Rate Among Ovarian Cancer Patients Attending Ocean Cancer Institute</p>
<p>Saktai Siyami</p> <p>Accuracy of Dipstick Gravity Versus Point-of-Care-Ultrasound for Volume-Status in Hyponatremic Critically-Ill Adults Presenting at the Emergency Department</p>	<p>Arafa E. Mkumbo</p> <p>The Role of Nutrition Therapy in Recovery from Severe Burns at Muhimbili National Hospital, Mloganzila</p>
<p>Noorein A. Omar</p> <p>Clinical, Radiological and PFT Among CTD Patients with Respiratory Symptoms at MNH</p>	<p>Clara Chamba</p> <p>Circulating Tumour DNA, EBV-derived Markers, and Survival in Children and Young Adults with Hodgkin Lymphoma</p>

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<p>Charles Mwambigija</p> <p>Prevalence and Factors Associated with Psychological Distress Among Caregivers of Severe Mental Illness Patients</p>	<p>Aloyce Oisso Mathew</p> <p>Clinical Characteristics, Short-Term Outcomes, and Their Predictors Among Patients Admitted for Heart Failure in CCU.</p>
<p>Upendo S. Kimaro</p> <p>Prevalence of Erectile Dysfunction and Its Associated Factors Among Male Patients Attending Psychiatry Outpatient Clinic.</p>	<p>Charles Kaila</p> <p>Alcohol Use Disorder and Associated Factors Among Road Traffic Injury Patients in Kibaha, Tanzania</p>
<p>Beatrice Maina</p> <p>Prevalence and Correlates of Non-Consensual Marriage Among Adolescent Girls and Young Women in Tanzania.</p>	<p>Siana Nkya</p> <p>Clinical Manifestations of Sickle Cell Disease in Africa and Its Association with Foetal Haemoglobin Parameters</p>

<p>Abdulkarim Mbaraka</p> <p>An Integrated Community-Based Approach to Strengthening Blood Donation and Sickle Cell Disease Awareness in Tanzania</p>	<p>Rahma Kova</p> <p>Strengthening HIV Stigma Reduction Through Stakeholder Engagement: Experiences from The Expanded Total Facility Approach (eTFA)</p>
<p>Asia Mohamed</p> <p>Clinical Profile, and Factors Associated with Outcomes Among Non-traumatic Critically Ill Adult Patients in Zanzibar</p>	<p>Marietha Holella</p> <p>Postpartum Hyperglycemia and Associated Factors Among Women Attending Postnatal Clinics</p>
<p>Mr. Ben Anania Tweve</p> <p>Analysis of Social Determinants of Health (Sdoh) on Outcomes in Patients with Acute Myocardial Infarction</p>	<p>Shabir Rashid Mhando</p> <p>Prevalence and associated factors of ILDs diagnosed by HRCT for patients attending pulmonology clinic at MNH</p>
<p>Tareeq Mohamed Saleh</p> <p>Call for Innovation in Care: High Multimorbidity Burden Among Chronic Kidney Disease Patients at MNH.</p>	<p>Dr. Julieth Joseph</p> <p>Computed Tomography Patterns of Metastatic Cervical Lymph Nodes Among Patients with Head and Neck Cancers</p>

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<p>Dr. Lameck N Wakwesa</p> <p>Diagnostic Utility of Chest HRCT in Diagnosing Pulmonary Tuberculosis Among GeneXpert-Tested Patients</p>	<p>Alex Joseph Mujuni</p> <p>Anaemia Affecting Half the Community with Malaria and Schistosomiasis Linked Haematuria in Maswa District, Tanzania</p>
<p>Dr. Eka Patricia Kisali</p> <p>African Heritage Diet Modulates Innate Immune Responses and Improves Vaccine Responsiveness in Obese Tanzanians.</p>	<p>Loveness John Kimaro</p> <p>Sickle Cell Disease Stigma and Health-Related Quality of Life Among Adolescents and Young Adults with HRQoL among AYAs with SCD.</p>
<p>Henry Mwalongo</p> <p>Prevalence and Risk Factors of Acute Respiratory Infection Symptoms Among Under-Fives in Tanzania</p>	<p>Lazaro L. Lewale</p> <p>Prevalence of Depression Associated Factors and Its Impact on the QoL Among People with Epilepsy</p>

<p>Ravinder Goodluck Jandwa</p> <p>Factors Associated with Overall Survival Among Vulvar Cancer Patients at ORCI, Tanzania, 2019-2023</p>	<p>Salim J. Mpimbi</p> <p>Tanzania's NCD transition: A Comparative Analysis of Healthy Lifestyle Behaviours for Hypertension Prevention in Kilombero District Council and Morogoro Municipal Council</p>
<p>Justine D. Bunzari</p> <p>Patients' Lived Experience During Intensive Care Unit Stay at Benjamin Mkapa and Dodoma Regional Hospitals</p>	<p>Daniel</p> <p>Prevalence and Factors Associated with Depression and Anxiety Among Medical Students at University of Dodoma</p>

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<p>Alfateresia Mwasangama</p> <p>Maternal Intimate Partner Violence and Under-five Undernutrition: Analysis of the 2022 Tanzania Demographic Health Survey</p>	<p>Dr. Mboje Lyeselo Maduhu</p> <p>Chest radiographic findings and short-term outcomes in adults with severe traumatic brain injury at MOI.</p>
<p>Linda B. Mlunde</p> <p>Experiences of HIV Stigma from Family Members of People who Use Drugs in Tanzania</p>	<p>Nuruel R Kitomary</p> <p>When An Intervention Becomes a Stress: Mental Distress-Prep Interlinkages Among MSM In Tanga, Tanzania</p>
<p>Elias Mussa</p> <p>Weaning Patterns and Outcomes of Mechanically Ventilated Adult Patients in the ICU at MNH</p>	<p>Frida Mollel</p> <p>Assessment of Health Workers' Competency, Resource Availability, and Barriers to Effective Management of Severe Acute Disease in the Dodoma Region.</p>
<p>Shani Kondo</p> <p>Depression and Socioeconomic Burden Among Mothers of Children with Disabilities in Rural Tanzania: Mixed-Methods Study</p>	<p>Norberth Peter Massawe</p> <p>Socioeconomic Determinants of Minimum Dietary Diversity Among Women of Reproductive Age in Tanzania</p>
<p>James Mwakyomo</p> <p>Factors Affecting Availability of Viral Load Testing and Pharmacy Refill Trends on ART in Tanzania</p>	<p>Dr. Samuel Likindikoki</p> <p>Using Theatrical Arts to Reduce Intersectional Stigma and Promote Resilience Among Women Who Use Drugs</p>
<p>Gwandumi Kayange</p> <p>Comparative 48-Week Viral Load Suppression across Antiretroviral Initiation Regimens: Dolutegravir versus Non-Dolutegravir among People Living with HIV</p>	<p>Dr. Betty Maganda</p> <p>Prevalence and Associated Factors of Chemotherapy-Induced Adverse Drug Reactions Among Adult Cancer Patients in Dar es Salaam</p>

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<p>Sifaely Mtaita</p> <p>Impacts of an Arts-based Intervention on Stigma Toward Women Who Use Drugs in Tanzania</p>	<p>Hamisi Amiri Dani</p> <p>Association of baseline AHD and dolutegravir versus non-dolutegravir regimen status with viral load suppression</p>
<p>Dr. Felix Sukums</p> <p>Digital Public Infrastructure for Health in Attaining Universal Health Insurance in Tanzania</p>	<p>Neema Lucas</p> <p>Distribution and Factors associated with under-5 stunting in Tanzania, a Cross-Sectional Analysis of 2022 Tanzania</p>
<p>Wahida Mtiro</p> <p>Strong Notification, Weak Detection: A Multi-Regional 7-1-7 Assessment of Outbreak Response Timeliness in Tanzania.</p>	

BIOGRAPHIES



PROFESSOR NATHANAEL SIRILI (MD, MSC, PHD)

Nathanael Sirili is an Associate Professor of Health Systems and Policy at the Muhimbili University of Health and Allied Sciences and a leading implementation scientist, mixed-methods researcher, and health systems expert with over 15 years of experience in research, monitoring and evaluation, policy analysis, and health systems strengthening across Sub-Saharan Africa. He graduated with a Doctor of Medicine (MD) in 2011 and a Master of

Science in Health Systems in 2014 from Muhimbili University of Health and Allied Sciences. He obtained his PhD in Public Health (Health Systems) from Umeå University, Sweden, in 2018.

Nathanael has extensive experience working with Ministries of Health and the PMO-RALG in Mainland Tanzania, and with the Ministry of Health, Zanzibar, on health workforce reforms, continuing professional development, emergency care systems, digital health, and primary healthcare strengthening initiatives. He has led and evaluated health programs funded by UNICEF, GIZ, the World Bank, the World Health Organization, AMREF Health Africa, the United States Agency for International Development, the Abbott Fund, the Global Fund, and the Fogarty International Center. With over 100 publications in international peer-reviewed journals, he is widely recognised for his scholarly leadership, mentorship, and contributions to evidence-informed policy and implementation science in low-resource settings.

Link to Publications: https://bit.ly/Sirili_N



DR. JUMA MFINANGA

Dr. Juma Mfinanga is an Emergency Medicine Consultant and the head of the Emergency Medicine Department at Muhimbili National Hospital (MNH) in Dar es Salaam, Tanzania. He joined MNH in 2010 and was among the pioneers of the Emergency Medicine Department. He was one of the first graduates of the Emergency Medicine Residency at MUHAS, where he now serves

as an adjunct faculty member. He is also an adjunct Assistant Professor of Emergency Medicine at Atrium Health in North Carolina, USA.

He is a founding member and currently serves as President of the Emergency Medicine Association of Tanzania (EMAT), the national professional body dedicated to advancing emergency care in Tanzania. In this capacity, he works closely with the Ministry of Health to promote the development and implementation of emergency care systems across all levels of the health system. Dr Mfinanga's academic and research interests include strengthening emergency care systems, emergency medical services, disease outbreaks, disaster medicine, and trauma care. He has authored numerous peer-reviewed publications in both international and national journals. He has contributed significantly to advancing emergency medicine and emergency care systems in Tanzania and the region.



PROF. NAHYA SALIM MASOUD, MD, MMed, PhD

Prof. Nahya Salim Masoud is a Professor of Paediatrics and Director of Research, Publications and Innovation at Muhimbili University of Health and Allied Sciences (MUHAS), Tanzania. She is a clinician-scientist with extensive experience in maternal, newborn, and child health, clinical trials, implementation research, and health systems strengthening. Prof. Salim serves as Clinical Lead, Co-Principal Investigator, and Co-Chair of the NEST360 Alliance, a multicounty initiative improving care for small and sick newborns across Africa. Her work focuses on newborn survival, strengthening research capacity, knowledge translation, and translating evidence into policy and practice.



DR. MARY MWANYIKA

Dr. Mary Mwanyika Sando is Chief Executive Officer of the Africa Academy for Public Health (AAPH) in Dar es Salaam, Tanzania. A medical doctor with an MD from the University of Dar es Salaam and a Master of Public Health in Global Health and Population from Harvard T.H. Chan School of Public Health, she brings over 19 years of experience in maternal, child and adolescent health, nutrition, mental health and program implementation with organisations like UNICEF and MDH. At AAPH, Dr. Sando leads research, capacity building, and evidence-to-policy translation to advance public health priorities within and outside Tanzania. Together with the Harvard T.H. Chan School of Public Health, Dr Sando co-convenes the Africa Research Implementation Science and Education (ARISE) Network, which links 22+ institutions across 10 sub-Saharan African countries.

Dr Sando also serves as President of the Medical Women Association of Tanzania (MEWATA) and as a member of the International Advisory Boards of the Charité Centre for Global Health and The Lancet Regional Health - Africa.



DR. MARYAM AMOUR

Dr Amour is a physician-scientist at Muhimbili University of Health and Allied Sciences (MUHAS), Tanzania, where she also serves as the head of Internationalisation and Convocation. Her professional interests focus on infectious diseases, particularly TB/HIV, adolescent health, and global health security.

Currently, Dr. Amour is a Principal Investigator on a National Institutes of Health (NIH)-funded grant examining new methods for active case finding for tuberculosis (TB) among adolescents and their household contacts. She previously served as a co-investigator in a Phase 2 vaccine clinical trial for the prevention of TB infection among adolescents in Tanzania. Dr Amour has also conducted multiple epidemiological studies on adolescents living with HIV. For the past two years, she has been involved in enhancing country-level analytical capacity and data use in HIV, TB, and malaria programs under the Global Fund.

Dr. Amour is the President Elect of the Medical Women's Association of Tanzania (MEWATA) and has actively participated in organizing nationwide mass screening campaigns for breast and cervical cancer for over 10 years. Dr Amour has also been involved in strengthening the capacity of civil society organisations (CSOs) working

on entrepreneurship, climate change, women's rights, and the prevention of gender-based violence in Tanzania. Dr Amour serves as a board member of the Benjamin Mkapa Foundation and the Dartmouth Institute Vaccine Initiative, and as a member of the technical advisory panel of the Pandemic Fund under the World Bank. Dr Amour is also a member of the Association of Commonwealth Universities' health expert advisory group.

Dr Amour holds a degree in Medicine and a Master's in Internal Medicine from MUHAS. Additionally, she holds a Master's degree in Public Health from the Dartmouth Institute for Health Policy and Clinical Practice in the USA. Dr Amour completed a Clinical Trials fellowship at Harvard Medical School and a postdoctoral fellowship in the Department of Global Health and Population at the Harvard T.H. Chan School of Public Health.



PROF. MUZDALIFAT SALIM ABEID

Prof. Muzdalifat Salim Abeid is a Senior Consultant Obstetrician and Gynaecologist and Associate Professor at Aga Khan University, Tanzania, bringing over 20 years of clinical and leadership experience in maternal and reproductive health. She currently serves as Medical Director and Head of the Department of Obstetrics and Gynaecology at Aga Khan Hospital, Dar es Salaam. Prior to this, she served as Head of the Obstetrics and Gynaecology

Department at Temeke Regional Referral Hospital, where she led high-volume maternal health services within one of Tanzania's major public referral systems.

Her clinical expertise spans maternal and newborn health, emergency obstetric care, and reproductive health service delivery, with a strong focus on improving outcomes in resource-limited settings.

Beyond clinical practice, Prof. Abeid serves as Head of Women's Healthcare in Africa at Almazina Ltd, where she leads strategic development in women-centred healthcare, innovation, and research. In this role, she is spearheading the advancement of digital health solutions aimed at transforming access to care, strengthening continuity of services, and improving health outcomes for women across the continent, bridging clinical insight with innovation to position women's health as a key driver of scalable, technology-enabled impact in Africa's evolving health systems.

She has contributed to major international research and implementation programmes, including the WOMAN Trial, ALERT Project, SaferBirth, and MOYO initiatives, with a focus on translating evidence into stronger maternal health systems. She is actively engaged in medical education, mentorship, and health system strengthening aligned with the Ministry of Health's national priorities, particularly in reducing maternal mortality and improving emergency obstetric care. Prof. Abeid serves on the Editorial Board of *BMC Pregnancy and Childbirth* and is a member of both AGOTA, MEWATA and ECSACOG. She was honoured with the Aga Khan University Distinction Award in 2025 in recognition of her outstanding contributions to clinical leadership and the advancement of maternal health.



DR. MATILDA NGARINA

Dr. Matilda Ngarina is a Consultant Obstetrician and Gynaecologist at Muhimbili National Hospital (MNH) with over 25 years of experience in clinical practice and research. She holds a PhD in Reproductive Health from Karolinska Institutet, Sweden, and a Master of Medicine in Obstetrics and Gynaecology from Muhimbili University of Health and Allied Sciences (MUHAS).

A distinguished leader in her field, Dr. Ngarina is the immediate past President of the Association of Gynaecologists and Obstetricians of Tanzania (AGOTA) and a Fellow of the East, Central and Southern African College of Obstetrics and Gynaecology (ECSACOG).

Her research spans reproductive health and intrapartum care, with particular focus on infertility, reproductive choices, preterm births, foetal and maternal surveillance, and Prevention of Mother-to-Child Transmission (PMTCT) services. She has authored more than 25 publications in peer-reviewed journals and has collaborated with local and international partners across these areas.

Dr. Ngarina also contributes to academic medicine as a Senior Honorary Lecturer in the Department of Obstetrics and Gynaecology at MUHAS, where she has mentored numerous postgraduate students at both Masters and PhD levels. Dr Ngarina also served as an executive committee member of the Medical Women Association of Tanzania (MEWATA).



DR. LILIAN REMIGIUS MNABWIRU

Dr. Lilian Remigius Mnabwiru is a Senior Obstetrician and Gynaecologist at Muhimbili National Hospital (MNH), with 16 years of experience in obstetrics, gynaecology, and reproductive medicine. She holds an MD from Muhimbili University of Health and Allied Sciences (MUHAS) and a Master of Medicine (MMed) from Kilimanjaro Christian Medical University College (KCMC University), with a Certificate in Reproductive Endocrinology and Infertility. Dr. Mnabwiru has pursued advanced training across multiple international institutions, reflecting her commitment to excellence and continuous professional development.

Her qualifications include an Advanced Diploma in Sexual and Reproductive Health and Rights (SRHR) from Lund University, Sweden; an Advanced Diploma in Assisted Reproductive Technology from BACC Healthcare, Bangalore, India; a Leadership and Management Course from the University of Stellenbosch, South Africa; and specialised clinical training through the Dr. Lee Jong-wook Fellowship Programme at Yonsei University, South Korea.

Her clinical and research interests include new reproductive technologies, women's health and imaging, reproductive endocrinology, endoscopic surgery, and sexual and reproductive health research. Dr Mnabwiru has also served in various leadership roles with the Medical Association of Tanzania (MAT), the Medical Women Association of Tanzania (MEWATA), and the Association of Gynaecologists and Obstetricians of Tanzania (AGOTA).

In addition to her clinical role, Dr. Mnabwiru serves as an Honorary Lecturer at MUHAS, where she supervises both undergraduate and postgraduate students. She is a proud mother of two daughters.



DR. JOHNSON LYMO

Dr Johnson Lyimo is a global health professional with over 20 years of experience in the programmatic control of tuberculosis and TB/HIV at the national level. Currently, he supports the Ministry of Health in scaling up combination HIV prevention strategies, including differentiated service delivery for HIV self-testing, sustainable VMMC, PrEP utilisation, and integrated HIV/TB/hepatitis programming.

Dr Lyimo has extensive expertise in national policy and program planning, donor coordination, and external program evaluations. My technical focus is on advancing evidence-based practices for HIV, TB, and hepatitis in sub-Saharan Africa.



ELIZABETH A. TALBOT, MD

Dr. Talbot is an internist with subspecialty training in infectious diseases and tropical and travel medicine, who has spent her career focused on tuberculosis. She has extensive experience in international and domestic infectious disease control through outbreak investigation, clinical projects, research, and consultation.

Dr. Talbot trained at Duke University and with the CDC's Epidemic Intelligence Service then directed CDC TB-HIV research in Botswana. She was then assigned to the World Health Organization in Geneva before coming to Dartmouth where she is a Section Chief and Professor of Medicine in the Section of Infectious Diseases and International Health.

Since 2003, Dr Talbot has been New Hampshire's Deputy State Epidemiologist; she consulted with the Foundation for Innovative New Diagnostics in Geneva from 2007-2011, and since January 2020, she has worked with Gates MRI toward the identification of TB treatment-monitoring biomarkers and the development of improved TB treatments.



PROF. DOREEN MLOKA

Prof. Doreen Mloka is an Associate Professor in the Department of Pharmaceutical Microbiology, School of Pharmacy, MUHAS. Her research interests include antimicrobial resistance, infectious diseases, and health profession education. She is the current chair of the Clinical Trials Committee at the Tanzania Drug and Medical Authority (TMDA).

At MUHAS, she has held the posts of Director of Continuing Education and Professional Development, a MUHAS curriculum chair, a head of department, and the Scientific Chair of the MUHAS annual scientific conference for 10 years.



SIANA WATOKY NKY BSC., MSC., PHD

Dr Nkya is a Senior lecturer in the Department of Biochemistry and Molecular Biology at Muhimbili University of Health and Allied Sciences (MUHAS). For the past 15 years, she has gathered research experience in biomedical science, particularly in molecular biology and human genetics. Dr Nkya's research focuses on applying human molecular and genomic skills to disease prevention, diagnosis, understanding disease mechanisms, discovery and development of interventions (drugs and gene-based therapies), and monitoring treatment outcomes (pharmacogenomics).

She has primarily applied her skills to malaria and sickle cell disease (SCD). During her early training, she conducted malaria research, focusing on molecular resistance markers of drug resistance in *P. falciparum*. For her PhD training, she conducted research in SCD genomics. In 2014, she led the establishment of a genetic database of more than 1,700 individuals with SCD, one of the first in Africa.

Throughout her career, Dr Nkya has worked closely with the Molecular Haematology Department at King's College London, the Medical Genetics Group at the Wellcome Trust Sanger Institute, the Division of Haematology/Oncology at Boston Children's Hospital, and the Department of Applied Sciences at the University of Northumbria. Dr Nkya was part of the team that established the newborn screening program for SCD in Tanzania, gaining experience in setting up a screening and diagnostic laboratory. Dr Nkya has received various research support, including the Fogarty Global Health Fellowship (2016) and the Emerging Global Leader Award (K43, 2019-2024) from the NIH, American Society of Haematology (ASH) Global Research Award (2018) to conduct a study on pharmacogenomics, Novartis Global Health investigators-initiated trial (2022-2024) to scale up the pharmacogenomics study to Ghana and Nigeria, Early Career Women Scientist award from the Organization for Women in Science for the Developing World (OWSD) to develop a minION DNA diagnostic technology for hemoglobinopathies in collaboration with the University of Oxford, UK.

In 2017, Dr Nkya co-founded the Tanzania Human Genetics Organisation (THGO), which is part of the Africa Society of Human Genetics (AfSHG), and currently serves as the first President. Dr Nkya has also worked with the sickle cell disease program in Tanzania for the past 15 years in different capacities and is currently the Co-PI and research technical lead of the Sickle in Africa clinical coordinating centre (SickleInAfrica-CCC), which coordinates research across the Sickle in Africa consortium with sites in seven countries in Africa.



DR. MARIAM NOORANI

Dr. Mariam Noorani is the head of research and the Chair of Department of Paediatrics at the Aga Khan University (AKU) and Aga Khan Health Service, Tanzania (AKHST). She is a paediatrician and International Board-Certified Lactation Consultant (IBCLC) and holds a Master's degree in Medical Education from the University of Edinburgh. She is also a Senior Fellow of the Higher Education Academy (SFHEA). She is a research fellow with the Aga Khan

University Institute of Global Health and Development (IGHD) Women in Science Program.

She is the founding chair of the Department of Paediatrics at AKU in Tanzania, where she established the residency training program. Under her leadership, the Department has expanded into a comprehensive unit providing the highest standards of care to sick children, including a well-established neonatal unit caring for sick and premature newborns.

In an effort to improve care for children in Tanzania, she led the establishment of a Master's program at Aga Khan University to train paediatricians, which has now graduated its first cohort of trainees. She also led the introduction of the newborn screening program for sickle cell disease with a pathway into comprehensive care for those who screened positive.

She has developed partnerships with schools and communities to promote child health and nutrition and works with adolescents on healthy behaviours and lifestyles. She has also championed the cause for children with rare diseases in Tanzania. She is a board member of the Ali Kimara Rare Disease Foundation (AKRDF) and the Tanzania Human Genetics Organisation (THGO).

Dr Mariam is actively involved in research and has published several papers and supervised many young researchers. She was awarded a grant to strengthen research capacity through which many doctors and nurses were trained in advancing their research skills.

Her vision is to work with partners to establish a centre of excellence for child health that will engage in clinical care, research and training to improve the health and well-being of children in Tanzania.



DR. CLARA CHAMBA

Dr Clara Chamba is a haematologist, senior lecturer, and Head of the Department of Haematology and Blood Transfusion at Muhimbili University of Health and Allied Sciences, with over 8 years of experience in clinical care, research, and postgraduate training. Her work sits at the intersection of clinical care and genomic innovation, with a focus on improving the timely and accurate diagnosis of cancer in resource-limited settings. She has led and contributed to multi-country research collaborations across Tanzania, Uganda and the UK, demonstrating the potential of blood-based genomic approaches, including liquid biopsy, to reduce diagnostic delays and support earlier treatment decisions for patients with lymphoma. Her work has been instrumental in building local expertise and driving the integration of genomic technologies into routine clinical care across the region.



PROF. RAPHAEL ZOZIMUS SANGEDA

Professor Raphael Zozimus Sangeda is a Professor in the Department of Pharmaceutical Microbiology, the Acting Principal of the MUHAS-Kigoma Campus (MKC), and the Director of Continuing Education and Professional Development (DCEPD) at Muhimbili University of Health and Allied Sciences (MUHAS). His work focuses on pharmaceutical informatics and healthcare data science, employing advanced computational tools to model public health issues.

Professor Sangeda has extensive expertise in applying geospatial analysis and machine learning models to track HIV care retention, oversee antimicrobial stewardship, and map viral phylogeography across transit corridors. He actively collaborates with national regulatory bodies and international academic institutions to enhance bioinformatics capacity, connecting molecular genomics with actionable national health policy. He has served as the Chair of MUHAS Scientific Conference Organising Committee from 2024 to the present.



MR. WILLIAM OTUCK

William Otuck is a public health practitioner with over a decade of experience working with adolescents and young people in Tanzania and beyond. With a background in clinical medicine and business administration, he has supported initiatives in youth wellbeing, SRHR, safeguarding, and systems strengthening at community, national, and international levels.

Currently at YLabs, Otuck works on research and innovation projects that advance adolescent protection and equity. He is passionate about survivor-centred responses, prevention, and creating systems that protect children and young people from sexual violence.



DR. ALEXANDER KAILEMBO

Dr. Alexander Kailembo is a public health specialist with expertise in surveillance, implementation science, and epidemiologic research. He serves as Team Lead for Epidemiology and Surveillance at CDC Tanzania, where he has led national surveys, including the Tanzania HIV Impact Survey and the Violence Against Children and Youth Survey, as well as surveillance systems and special studies.

His work focuses on generating high-quality evidence to inform policy, strengthen public health programs, and improve health outcomes and well-being in Tanzania.



DR. SANG'UDI SANG'UDI, MD

Dr. Sang'udi Sang'udi is a visionary Tanzanian medical doctor, health data scientist, and social entrepreneur with over six years of experience transforming healthcare through artificial intelligence (AI). He graduated from the Muhimbili University of Health and Allied Sciences (MUHAS), one of East Africa's premier health sciences institutions, where he earned his medical degree and laid the foundation for his career at the intersection of medicine and technology.

As a co-founder of SarataniAI, a Google Developer-funded initiative, he led the team in building an AI-powered cervical cancer screening solution designed for underserved communities. His team has amassed a locally collected dataset of over 1.1 million cervical images, one of the most significant cervical cancer imaging datasets on the African continent, enabling the development of robust, context-specific diagnostic AI tools.

Dr. Sang’udi is a 2025 Mandela Washington Fellow, the flagship program of the Young African Leaders Initiative (YALI), where he was hosted at the University of Nevada, Reno, on the Business and Entrepreneurship track. This prestigious program sharpened his entrepreneurial acumen and shaped his journey as a health technology entrepreneur in the United States, equipping him with global business leadership skills to scale impactful innovations across Africa. He is a Commonwealth Startup Fellow and an alumnus of the Simon Imbizo Computational Neuroscience School in South Africa, Dr. Sang’udi brings a rare combination of clinical expertise, computational fluency, and entrepreneurial vision. He also leads a C-THAN-funded project developing AI-powered screening tools for women living with HIV/AIDS.

He has been selected for the Mathematical Bridging Program for Machine Learning and Computational Neuroscience at University College London (UCL), which he will attend this summer, further deepening his mastery of the mathematical foundations underpinning modern AI systems.

Grounded in ethical AI and human-centred design, Dr Sang’udi Sang’udi is shaping a healthier, more equitable future for Africa – one innovation at a time.



DR. DEGRATIUS MZURIKWAO

Dr Deogratias Mzurikwao received his PhD from the University of Kent in 2020, specialising in the applications of Artificial Intelligence (AI) in healthcare. He holds a Master’s degree in AI from Tianjin University in China. Since 2012, he has been actively engaged in research and practice in machine learning, deep learning, generative AI, and signal processing for both images and voice—core pillars of modern AI systems.

During his studies in China, he worked as a data scientist at GTA, a leading big data analytics company based in Shenzhen, which recruited him while he was still completing his master’s degree. In 2014, he and his teammate secured third place in an international innovation competition for automation and UAV technologies. In 2019, he was one of only 15 AI researchers globally to receive the IEEE Outstanding Young Investigator Research Visit Award, which enabled a research residency at Sapienza University in Italy.

Dr. Deogratias’s research interests include deep learning, generative AI, machine learning, data analytics, explainable AI, super-resolution, and immersive technologies such as virtual and augmented reality. He has published widely in peer-reviewed journals including *Nature* and *IEEE*, with over 2,653 citations, an h-index of 11, and an i10-index of 13. His work has been featured in major international media outlets, including *Forbes* and the *BBC*.

He has provided AI consulting services for organisations such as UNDP, UNICEF, UNU, and the Ministry of Health in Tanzania. For the past three years, he has served as the AI Sector Lead at Villgro Africa, supporting the development and scale-up of AI-driven innovations, including generative AI solutions, across the African continent.

Dr. Deogratias currently leads the Emerging Technologies for Health (ETH) Lab at Muhimbili University of Health and Allied Sciences (MUHAS), where he drives research and innovation in AI applications for health in low-resource settings.



DR. ERIC RASMUSSEN, MD, MDM, FACP

Dr. Eric Rasmussen is the Principal Scientist and Research Director for the Kwajalein Atoll Sustainability Laboratory in the Republic of the Marshall Islands, supported by the US Office of Naval Research. He is an Internal Medicine physician with undergraduate and medical degrees from Stanford University and a European Master's degree in Disaster Medicine from the UN World Health Organisation's affiliate, CEMEC, in Italy. He serves as an Affiliate Associate Professor of Medicine at the University of Washington (UW) in Seattle. At the 14th MUHAS Scientific Conference, his address focuses

on "Applied Complexity Engineering in Public Health: The CASA Model in Kigoma.

He served in the US Navy for 25 years aboard nuclear submarines, amphibious ships, heavy cruisers, and aircraft carriers, and his wartime deployments include Bosnia three times, Afghanistan twice, and Iraq in 2003. While in uniform, Dr. Rasmussen was appointed a Principal Investigator by DARPA (the Defense Advanced Research Projects Agency), leading to his selection as DARPA's Principal Investigator of the Year in 2003. After retiring from the Navy, he was appointed the Founding CEO of the TED Prize awarded to Dr. Larry Brilliant, then Executive Director of Google.org, and remains Chair of that Board.

In addition to his current work in Ukraine and the Yucatan rainforest of Mexico, Dr. Rasmussen oversees two Climate Adaptation laboratories. One, the Kwajalein Atoll Sustainability Laboratory, is designed for applied research and field experimentation in the Marshall Islands, 2,500 miles west of Hawaii. The other, in partnership with faculty from the Santa Fe Institute, Argonne National Laboratory, and Future Complexity in Valparaiso, Chile, focuses on the use of applied complexity science to mitigate polycrisis vulnerability at the Cape Horn Sub-Antarctic Research Centre in Puerto Williams, Chile - the southernmost permanent human habitation on earth.



MR. HASSAN ALAM

Mr. Hassan Alam is an AI entrepreneur and executive with over 25 years of experience in machine learning, natural language processing (NLP), and large language models (LLMs).

He is the founder of AI Asset Management and previously served as Chief Innovation Officer at Nitro and Founder/CEO of BCL Technologies. He has secured multiple U.S. government-funded AI research contracts and awards, leading innovations in document intelligence and language technologies. Hassan holds dual bachelor's degrees from the Massachusetts Institute of Technology and an MBA from the

Stanford Graduate School of Business. He has pursued advanced studies in AI at the University of Cambridge, MIT, and Stanford.



DR. NICOLE VAN DEN BERG

Dr. Nicoline van den Berg is a physician with a PhD in Clinical Cardiology from the Amsterdam University Medical Centre and with experience in clinical medicine and public health, including work in Malawi and Ghana.

Later this year, she will join the Department of Cardiology at Amsterdam UMC as Scientific Coordinator of a flagship European project focused on the implementation of AI-assisted cardiovascular care and health equity. She also explores with MUHAS the implementation of AI-assisted echocardiography in Tanzania.



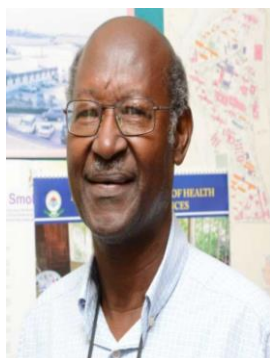
DR. HERI A. MARWA

Country Director, PharmAccess - Tanzania

Dr. Heri Marwa is a seasoned healthcare professional with over 20 years of frontline experience advancing health systems across Africa. A medical doctor by training, Dr Marwa has dedicated his career to pioneering health financing innovations, digital health and scaling inclusive care delivery models that prioritise access and quality for underserved populations. He currently serves as the Country Director for PharmAccess in Tanzania, an international non-profit organisation committed to improving healthcare in sub-Saharan Africa through health system strengthening and digital innovation.

Under his leadership, PharmAccess played a pivotal role in the design, pilot, and scale-up of Tanzania's Improved Community Health Fund (iCHF) between 2015 and 2018 and in the development of the 2023 Zanzibar Health Insurance Act and the establishment of the Zanzibar Health Services Fund (ZHSF), helping to lay the foundation for more sustainable and equitable healthcare financing. Dr Marwa is also a member of the Africa CDC Experts Working Group (EWG) - Health Innovation and Finance.

Prior to his work with PharmAccess, he served as Operations Manager at AAR Tanzania, a leading private health insurance provider. Dr. Marwa brings a unique blend of medical, policy, and operational expertise, and continues to be a strong advocate for health equity through systemic innovation.



PROFESSOR EMERITUS JAPHET KILLEWO

Japhet Killewo (JK) is a professor emeritus at the Muhimbili University of Health and Allied Sciences (MUHAS) in Tanzania, where he has been teaching epidemiology. He does research in communicable and non-communicable diseases and has continued to do so to date. He also worked for 4 years with the International Centre for Diarrhoeal Disease Research (ICDDR) in Bangladesh, monitoring and evaluating reproductive health interventions in a health and demographic surveillance system. JK initiated an urban-based health and demographic

surveillance platform in Dar es Salaam, Tanzania, in 2010, where more than 100,000 residents of all ages are being followed for in- and out-migration, vital events, socio-economic status, NCDs, food insecurity and HIV Drug Resistance. This unique cohort provides policymakers and scientists with accurate, reliable data.

JK was party to launching the One Health agenda in Tanzania. JK is currently the Country Manager of Africa One Health University Network (AFROHUN) in Tanzania. In this position JK carries out One Health activities in collaboration with human and animal health institutions and government agencies in Tanzania and as coordinated by the Prime Minister's Office.

JK has critically reviewed a considerable number of research proposals and manuscripts for various peer-reviewed international journals and has published widely in local and international journals, having written chapters in books and edited a section in the International Encyclopaedia of Public Health. He is also the Editor-in-Chief of the derivative volume on Epidemiology and Demography in Public Health and edited and contributed a chapter to the book "Primary Health Care in Tanzania through a Health Systems Lens: A History of the Struggle for Universal Health Coverage", September 2023. JK has more than 130 published articles in journals to his credit as of June 2024. Email: jkillegwo@yahoo.co.uk
Link to my publications: <http://www.ncbi.nlm.nih.gov/pmc/?term=killlewo>



PROFESSOR ANDREA B. PEMBE,

Professor Andrea B. Pembe, MD, MMed (UDSM), PhD (Upsalla), FCOG (ECSA) is a medical doctor specialised in global maternal and reproductive health. He is a Consultant and a Professor of Obstetrics and Gynaecology, a Former Vice Chancellor (2018-2023) of Muhimbili University of Health and Allied Sciences, Dar es Salaam, and a member of several Professional and Advisory Boards in Tanzania and beyond. Andrea has more than 30 years of experience in

reproductive health service provision and training. He has successfully implemented sponsored and collaborative projects across diverse environments, demonstrating the ability to maximise accountability and effectiveness in designing and implementing policies and innovative practices, thereby mitigating operational risks.

He has also worked extensively with other development partners—Swedish International Development Agency (Sida), Bill & Melinda Gates Foundation (BMGF), National Institutes of Health (NIH), Clinton Health Access Initiative, Global Fund through the Ministry of Health, and many others. In all implementations, the Ministries of Health, Education and the Prime Minister's Office - Regional Administration and Local Government (PMO-RALG). To this end, research and implementation work have been key to his strong ties at the National, regional, district and health facility levels, as well as in communities.

Currently, some of the research and interventions Andrea is involved in include maternal and newborn knowledge synthesis to guide policy, practice and health system strengthening (MUHAS Knowledge - Translation-Hub), Scaling up of Multiple Micronutrient Supplementation in pregnancy (MMS-Scaling) in Pregnancy, Optimising safe caesarean section (C-SAFE), MMS postpartum for neurodevelopment (MMS-POST)

and Validation of screening tools for preeclampsia in Africa (PROTECT-Africa).



MS. DATIVA PEREUS

Ms Dative Pereus is a PhD candidate in bioinformatics at the University of Nairobi, Kenya, and an assistant research fellow at MUHAS. Her research focuses on genomics and bioinformatics, with a strong focus on infectious disease genomic surveillance. She has developed strong expertise in genomic surveillance and bioinformatics workflows, spanning from raw sequencing read processing to the interpretation of complex population-level

genetic signals.

She is an accomplished scientist with over 30 peer-reviewed publications. Her work has been recognised through several competitive awards and fellowships.

Beyond research, she is deeply committed to capacity building in Africa-led data science, and she has mentored over 10 MSc students and 15 interns in bioinformatics. She delivers hands-on training in next-generation sequencing (NGS) and supports the development and implementation of open-source bioinformatics pipelines.



DR. REDEMPTA J. MBATIA

Dr. Redempta J. Mbatia, MD, MSc Epidemiology, is a Tanzanian physician, epidemiologist, public health leader, and research scientist with more than two decades of experience in public health programming, research, and evidence-informed policy engagement.

She is the Founder and Executive Director of Tanzania Health Promotion Support (THPS), a national NGO supporting government efforts to improve health and social welfare services. Through her leadership, THPS has become a trusted partner in advancing public health interventions and strengthening health systems across Tanzania.

Her work focuses on translating evidence into policy and practice and research to improve outcomes for vulnerable populations, particularly women, children, adolescents, and youth. She has led and contributed to major public health programmes and research, including the Tanzania Second National Survey on Violence Against Children and Youth (VACS 2024).

Dr. Mbatia has published widely on HIV, malaria, maternal health, and quality improvement. Her research and publications continue to inform national and international policy and program implementation.

Dr Mbatia also serves as an adjunct faculty member at MUHAS and contributes to boards that support health systems strengthening and girl-child empowerment.



MS. MIRANDA ARMSTRONG

Miranda Armstrong is Chief of Child Protection at UNICEF Tanzania and co-Chair of the Development Partners Group for Gender Equality. She has more than twenty years of experience advancing child rights, child protection systems, social welfare reform, and evidence-based responses to violence against children and gender-based violence.

She has led child protection programmes across Tanzania, Sri Lanka, Côte d'Ivoire, Burundi and West and Central Africa, working closely with governments, civil society, donors, communities and young people to strengthen prevention, response, policy and legislative frameworks. In Tanzania, she has supported national efforts to end violence against women and children, including the launch of national action plans for Mainland Tanzania and Zanzibar. She has contributed to research, data systems and advocacy on violence prevention, alternative care, child marriage, corporal punishment and social welfare strengthening.

Miranda brings to the panel a systems perspective on VAWC prevention and response, grounded in practical experience linking policy, services, financing, data and community engagement to protect women, children and adolescents from violence.



PROF. LINDA MHANDO

Prof. Linda Mhando is a lawyer and social scientist, and a Senior Research Fellow at the Economic and Social Research Foundation (ESRF) in Tanzania. She specialises in violence against children, gender-based violence, child protection systems, governance, and implementation research.

Prof. Mhando has led multidisciplinary research and advised governments, development partners, and international organisations on translating evidence into policy and practice. Her work spans Tanzania and the broader African region, with a focus on strengthening child protection systems, advancing violence prevention, and promoting evidence-informed policies that improve the lives of women and children.



MS. LUCY TESHA

Ms. Lucy Tesha serves as a Program Specialist for Ending Violence Against Women and Girls (EVAWG) at the UN Women Tanzania Country Office, where she leads operations at the Zanzibar sub-office. She brings over 20 years of experience in gender equality and women's empowerment, having launched local, national, and international initiatives to combat gender-based violence (GBV). Her career features strategic

collaborations with governments, local authorities, and development partners to build safer environments and responsive protection systems.

Notably, Ms Tesha has pioneered the establishment of robust local GBV prevention programs; developed vital safety models, including the "Safe Cities Program"; and championed gender-responsive policing and GBV-related multisectoral support systems. She holds a Master's degree in Development Studies (majoring in Gender

and Development, and State and Civil Society) alongside a Postgraduate degree in Gender and Economic Policy Analysis.



DR. GERRY MSHANA

Gerry Mshana is a Principal Research Scientist at the National Institute for Medical Research (NIMR) in Mwanza, Tanzania and a senior researcher at the Mwanza Intervention Trials Unit. He is a medical anthropologist with more than 17 years of research experience on adolescent sexual and reproductive health, the socio-cultural aspects of HIV/AIDS, male circumcision, stroke, parkinson's disease and epilepsy.

His current research focuses on exploring the structural drivers of HIV, especially alcohol use among young people and gender based violence. He co-chairs the Alcohol Working Group of STRIVE, a health research programme consortium funded by DFID to address structural drivers of the HIV epidemic with partners in Tanzania, South Africa and India. Dr. Mshana is a co-investigator of two cluster randomised controlled trials to assess the impact on women's experience of intimate partner violence of a combined microfinance and gender training intervention for women; and participatory gender training programme for women and their partners not receiving microfinance. He is also involved in various research capacity-building initiatives in the East African region, such as the Wellcome Trust-funded THRIVE consortium, which involves 6 universities and research institutions in the region and 2 UK institutions (Cambridge University and the London School of Hygiene & Tropical Medicine).



ADV. ANNA KULAYA

Anna Meela Kulaya has spent almost twenty years serving her community through her work in the legal sector. Ms. Kulaya graduated with a Bachelor of Laws from the University of Dar es Salaam in 2000 before continuing her education and receiving a diploma in Human Rights and Humanitarian Law from the Raoul Wallenberg Institute in Lund, Sweden, an international diploma in Leadership Development from St. Francis Xavier at the Coady Institute, Canada and a Master in Migration and Refugee Laws from the University of Dar es

Salaam. Ms. Kulaya began working for Women in Law and Development in Africa (WiLDAF) in 2001 as a legal.

Now, she is the Deputy National Coordinator of WiLDAF Tanzania, a supervisory role in which she manages a team of 10 people across 10 sub-grant partnerships. Ms Kulaya presently serves as a board member of a network for legal aid providers (TANLAP). Ms Kulaya coordinated the 16 Days of Activism Against GBV in Tanzania, which has since become a national movement.



DR. MOKE MAGOMA

Dr. Moke Magoma oversees EngenderHealth's diverse portfolio in Tanzania, which includes family planning and sexual and reproductive health, comprehensive abortion care, and HIV and AIDS prevention and care programs. He has more than 20 years of experience in leadership, management, and service delivery of reproductive, maternal, newborn, child, and adolescent health programs, including family planning, in Tanzania. He has

worked for several international organisations in the country, including PEPFAR, OPTIONS UK and GIZ. He was recruited as the SuFP programme country Director in 2019 and promoted early this year to become EngenderHealth Country Representative. He is a reviewer for several international peer-reviewed journals in his field and currently serves as an assistant editor to the Journal of Pregnancy and Childbirth.

Moke earned a Doctor of Medicine degree from the University of Dar es Salaam, Tanzania, a Master of Medicine degree in obstetrics and gynaecology from Makerere University, Kampala, Uganda and a Doctor of Philosophy in epidemiology and population health from the London School of Hygiene and Tropical Medicine, University of London, UK. He is married with three children.



DR. FIDELIS BUGOYE

Dr. Fidelis Charles Bugoye is a Tanzanian molecular biologist and forensic scientist with expertise in human genetics, DNA technology, and forensic investigations. He is affiliated with the Government Chemist Laboratory Authority (GCLA), Directorate of Forensic Science and DNA Services, where he contributes to the application of DNA technologies in human identification and forensic analysis. (Science Publishing Group)

Dr. Bugoye has contributed to scientific research focusing on forensic DNA identification, including the use of genetic technologies in disaster victim identification and other human identification challenges. His work reflects the growing role of molecular biology and genomics in strengthening scientific evidence systems in Tanzania. (sciencepg.com)

He has also contributed to biomedical research, including studies related to prostate cancer and genetic factors influencing health outcomes. Through his research and professional work, Dr. Bugoye continues to support advancements in forensic science, genetics, and health research in Tanzania and beyond. (pmc.ncbi.nlm.nih.gov).

Conference organising committee members

Adam Mbagu	Hamis Kamandwa	Neema Massawe
Adam Mohammed	Hellen Mtui	Omary Chillo
Amani Kikula	Hussein Mwanga	Peter Magawa
Anna Kessy	Imelda Kalinga	Pius Victor
Asia Kivike	Joyce Samwel	Raphael Z. Sangeda
Asia Kavike	Kasusu Nyamuryekung'e	Rabia S Mwami
Beatrice Chami	Khadija Yahya Malima	Ramadhani Nondo
Catherine Mwaisumbe	Lilian Mbelwa	Rehema Chande-Mallya
Davis Amani	Lucas Massawe	Rodrick Kisenge
Doreen Mloka	Meshack Josephat Shoo	Ruth Kitundu
Edward Kija	Mourice Mbunde	Sharifa Sheha
Elias M. Bukundi	Mwasi Masija	Sebe Muhamed
Edwin Song'ora	Nahya Masoud	Stephen Moshi
Gema Salia	Nathaniel Sirili	Vanessa Rutabana
Geofrey Massawe	Nelson Masota	White Frank Frank
Gloria I Minja	Neema Edwin	

