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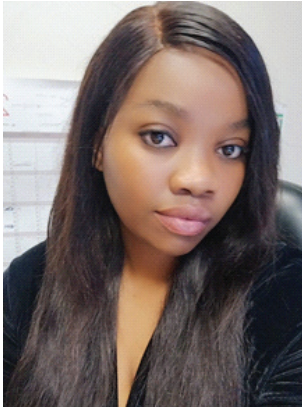
AFRICAN REGIONAL
**BIOLOGICAL WASTE
MANAGEMENT**

Certified Professionals
2023

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Safeguarding Africa's Health



Vuyokazi Nongogo

Professional Title: Senior Scientist
Nationality: South African
Institution: Protechnik Laboratories, a Division of Armscor
Area of Expertise: Microbiology, Forensic analysis, Molecular Biology
Certified as African Regional professional level 1 on Biological Waste Management: 2023

Vuyokazi Nongogo is a Microbiologist with Master’s degree in Microbiology. Her research experience includes medicinal plants and water quality monitoring which was executed during her studies and yielded three publications. After completion of her MSc, Nongogo was employed by South African Police Service (SAPS) in the Forensic Science Laboratory, Biology section as a Forensic Analyst for three years. Currently, Nongogo is employed as a Senior Scientist at Protechnik Laboratories, a division of Armscor. In her position as a Senior Scientist, she manages the Biomedical Domain which also has a certified BSL-3 unit. Her domain mainly conducts biological research for the South Africa National Defence Force (SANDF). Within her role she works closely with other organisations such as the DTIC Non-Proliferation Counsel and the United Nations through UNSGM. Due to the nature of research at Protechnik Laboratories, it is mandatory that appropriate measures for the handling of biohazardous waste are followed, hence her interest in enrolling for level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training.



Pius Heskey Alir

Professional Title: Medical Laboratory Scientific Officer
Nationality: Ugandan
Institution: Ministry of Defense & Veteran Affairs-Joint Staff Health Services
Area of Expertise: Biosafety and Laboratory Quality Management Systems
Certified as African Regional professional level 1 on Biological Waste Management, 2023

Pius Heskey Alir is a Medical Laboratory Scientific officer with a BSc in Medical laboratory Sciences and has attained various professional and military trainings, with the most recent one being level 1 Regional Training and Certification on Biological Waste management. Pius is also a comioned military officer in the Uganda Peoples Defense Forces (Updf), currently at the rank of a Lieutenant (Lt). Lt Pius currently serves as the Laboratory Manager at the 4th Division Military Hospital under the Joint Staff Health Services, Ministry of Defense & Veterans Affairs. His responsibilities include overseeing Biosafety and Quality operations in various health center facilities under the Division Military Hospital. With a passion for Biological Waste Management, Pius is eager to further his expertise and make meaningful contributions to the field and will soon be enrolling on level 2 certification in Biological Waste management under the regional training and certification framework which will enable him make a more significant impact in this critical area.



Jean Pierre Ngangali

Professional Title: Highly Contagious Diseases Specialist

Nationality: Rwanda

Institution: MoH/Rwanda Biomedical Centre

Area of Expertise: Genomics, Omics, Immunology and Biosafety and Biosecurity

Certified as African Regional professional level 1 on Biological Waste

Management: 2023

Jean Pierre NGANGALI, is a molecular and immunologist specialized in Genomics and omics. He is now under his PhD journey by courses and thesis research in Genomics and proteomics. Currently he is Highly Contagious Diseases Specialist, chair Technical Working Group (TWG) for ISO compliance and accreditation and a member of Africa CDC Biosafety and Biosecurity model TWG for Rwanda. He is passionate to apply his core knowledge in multisectoral biosafety and Biosecurity model in Rwanda and for Africa. With working experience for more than 13 years in Medical Laboratory arena, covering the molecular biology, immunology, cell culture, cytogenetic and anatomic pathology within the scope of the laboratory diagnosis and disease management. His professional experience also spans on the quality management system; both the design, the implementation, and the innovation models to promote laboratories accreditation and certification. Part of his main responsibility is coordinating the work related to the molecular surveillance of high consequences infectious diseases at the level of laboratory diagnosis, provide the information as well related to drug resistance and multisectoral biosafety and biosecurity compliance. Driven with his work assignment and curiosity to innovate in this new growing concept of Biosafety and Biosecurity Jean Pierre Ngangali has been enrolled in Level 2 waste management after successfully completing level 1 examination.



Suzan B. Mahimbo

Professional Title: Health Laboratory Scientist

Nationality: Tanzanian

Institution: Ministry of Health- National Public Health Laboratory

Area of Expertise: Health laboratory scientist/Biohazard Waste Management

Certified as African Regional professional level 1 on Biological Waste

Management: 2023

Suzan B. Mahimbo is a Health Laboratory Scientist and Deputy safety officer with a BSc in Medical laboratory Sciences (BMLS), and participated on various short courses with certificate on Biosafety and Biosecurity Training (Biorisk Management, BRM), online course of ONE HEALTH, Basics of multisectoral collaboration at the Human-Animal-Environment interface and Research Proposal writing and Manuscript writing Training. Suzan B Mahimbo is a Deputy Safety officer and member of safety committee team at National Public Health Laboratory (NPHL) which is under the Ministry of Health, dealing with many activities including management of biohazard waste. In her position as a Health Laboratory Scientist and Safety officer, she has managed to perform critical activities such as development of a National guideline of Biosafety and Biosecurity and coordinating safety issues. currently she is determined to acquire and provide education on Biological Waste Management.

Suzan driven by her passion in biohazard waste management has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training.



Claudious Gufe

Professional Title: Biologist-Microbiologist
Nationality: Zimbabwe
Institution: Ministry of Lands, Agriculture, water and resettlement
Area of Expertise: Biorisk management/Biohazard Waste Management
Certified as African Regional professional level 1 on Biological Waste Management: 2023

Claudious Gufe is a Microbiologist working in the veterinary bacteriology laboratory since 2011 and is a holder of a BSc. Honours in Biological Sciences, a Masters in Tropical Animal Health and PhD in Biosciences. Dr Gufe has made significant contributions to scientific research having authored 29 publications in prestigious scientific journals. Dr Gufe driven by his passion in biological waste management is currently aiming to enroll in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training in Regional Biosafety and Biosecurity standard-Africa CDC/Africa Union: Regional Training of Trainers Workshop for the Regulatory and Certification Framework for Institutions Handling High-Risk Pathogens, Nairobi, Kenya, 12-16 June 2023 and Regional Training on Biological Waste Management-World Organisation for Animal Health (Founded as OIE), Johannesburg, South Africa, 13 – 17 November 2023.



Dr Makomborero Nyoni

Professional Title: Director and cofounder of Innovation
Nationality: Zimbabwe
Institution: BioLife Innovassies (Pvt) (Ltd)
Area of Expertise: Plant pathologist and a Biotechnology Innovator
Certified as African Regional professional level 1 on Biological Waste Management: 2023

Dr. Makomborero Nyoni is a Plant pathologist and a Biotechnology Innovator. He holds a BSc in Agronomy and an MSc in Crop Protection from Midlands State University Zimbabwe, and a PhD in Plant Pathology from Stellenbosch University (South Africa). Dr. Nyoni served as a Postdoctorate fellow at Free State University from 2018 to 2019. In 2019 he was selected as an achiever in the 14th IUPAC International Congress of Crop Protection Ghent, Belgium 19-24 May 2019. "Crop Protection: Education of the Future Generation". In 2020 he joined National Biotechnology Authority (NBA) as Research, Development and Innovation manager until December 2023 where he developed and registered biocontrol and biofertilizer products in Zimbabwe. As a Manager at NBA, Dr Nyoni has been widely involved in Medical, Agricultural, Environmental and industrial biotechnology and has been to different countries for technology transfer including Italy, Germany, China, Dubai and Cuba. Currently he is a Director and cofounder of Innovation at BioLife Innovassies (Pvt) (Ltd)



Elpidius J. Rukambile

Professional Title: Research scientist

Nationality: Tanzanian

Institution: Tanzania Veterinary Laboratory Agency

Area of Expertise: Veterinary Laboratory Specialist, Food Safety Specialist and Molecular Biologist

Certified as African Regional professional level 1 on Biological Waste Management: 2023

Elpidius J. Rukambile is research scientist working at Tanzania Veterinary Laboratory Agency in Tanzania. Elpidius holds a Bachelor in Veterinary Medicine and Masters of Science in Molecular Biology and Biotechnology both from Sokoine University of Agriculture in Morogoro, Tanzania, Doctor of Philosophy in Veterinary Science from University of Sydney in Sydney, Australia, Executive Leadership certificate from University of New England, Australia and various professional certificates. Elpidius has been working as Veterinary Laboratory Scientist, Food Safety Specialist and Molecular Biologist for more than 15 years and currently he is leading a Quality Assurance Unit of Tanzania Veterinary Laboratory Agency as the Quality and Biorisk Manager. Working as Quality and Biorisk Manager, waste management has been part of his routine duties as the waste generated in the laboratory on daily bases need to be properly managed to reduce the risks which may emerge from improper disposal. Elpidius worked as the consultant for Food and Agricultural Organization of United National for developing Standard and guidelines for veterinary laboratory waste management for Tanzania veterinary laboratories. Additionally, Elpidius is in the team of reviewing the Biorisk manual used by Tanzania Veterinary Laboratory Agency laboratories in which biohazard waste management has been given a special attention. Elpidius is looking forward to enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training. Both levels of training will make him a resourceful person in biohazard waste management which is expertise with limited availability not only at Tanzania Veterinary Laboratory Agency but in animal health sector in general.



Hector Kusiru

Professional Title: Assistant Director of Veterinary Services

Nationality: Kenyan

Institution: Ministry of Agriculture and Livestock Development

Area of Expertise: Veterinary laboratory diagnostics

Certified as African Regional professional level 1 on Biological Waste Management: 2024

Hector Kusiru is a veterinarian with a Bachelor of Veterinary Medicine Degree and certificates in epidemiology and cybersecurity. Hector is an Assistant Director of Veterinary Services working with the National Veterinary Laboratory, in Kericho (NVL-Kericho), Kenya. He is responsible for quality issues at the laboratory and is also the deputy officer-in-charge of the laboratory. Being a veterinary diagnostic laboratory, NVL-Kericho generates sizable amounts of biological waste on a daily basis. Tasked with the responsibility of quality issues, Hector ensures that waste is managed as efficiently as possible at all stages from point of generation to disposal. Hector has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training.



Imasiku Akokwa

Professional Title: Biosafety Officer

Nationality: Zambia

Institution: Ministry of Health-University Teaching Hospital, Lab

Area of Expertise: Laboratory Technologist/Biohazard Waste Management

Certified as African Regional professional level 1 on Biological Waste Management: 2023

Imasiku Akokwa is accomplished Biosafety and Biosecurity professional, with rich back ground Medical Laboratory Medicine .Imasiku Akokwa after studying for a certificate in Biomedical for two years, went on study for a Diploma for three years, and am doing a degree BSc in Medical Laboratory Sciences, and looking forward for masters and Doctor of philosophy (PhD). Training Biosafety and Biosecurity greatly facilitated to implement at Biorisk Management at University Teaching Hospital Laboratory (UTH) and lead to being accredited in Quality Management System. Biorisk management Training continued in working with collaboration Implementation partners at Institutional level, national and international where Imasiku Akokwa worked under Ministry Of Health (MOH) worked with Africa CDC and Africa Society for Laboratory Medicine (ASLM) conduct Trainer of Trainers (TOT) and Step down Training in Biorisk Management to equip staff in era of Covid 19, worked with ECSA in step down Biorisk Management training. Trained in First AID CPR and use of an Automated External defibrater (AED) and Fire Safety Training. Imasiku Akokwa been recognized by ASLM and awarded lapel pin for sharing on my Facebook account information in Laboratory medicine, educating Africa. Imasiku Akokwa was part of the team under Ministry of Health Zambia on HIV/EID Guanine Thiocyanate (GTC) Waste from testing platforms, in collaboration with partners to find workable ways to manage GTC waste, Incinerators were procured and installed in selected facilities to manage waste and other healthcare waste. Imasiku Akokwa was part of the team that went round Zambia in the 10 provinces in selected facilities to assess.

Imasiku Akokwa driven by his passion in biohazard waste management has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training.



Muesee Kasaona

Professional Title: Veterinarian

Nationality: Namibia

Institution: Ministry of agriculture, water and land reform

Area of Expertise: Veterinary medicine/Diagnostic pathology and Rabies testing

Certified as African Regional professional level 1 on Biological Waste Management: 2023

Muesee Kasaona is a section head for pathology, parasitology, histopathology and virology (rabies) at Central Veterinary Laboratory (CVL) under the Ministry of Agriculture, Water and Land Reform (MAWLR) and also a technical signatory for rabies test (DFA). Kasaona holds a Bachelor's degree in Veterinary medicine from the University of Zambia and also a National Diploma in Agriculture from Neudamm Agriculture College in Namibia. Kasaona joined MAWLR in 2007 working as an animal health technician responsible for disease surveillance and control in North-western part of Namibia. Kasaona was involved in the implementation of Namibia Livestock Identification and Traceability system (NamLits) in Kunene North, serving as a focal person. In his current position, Kasaona was nominated to partake in a regional training workshop on biological waste management level 1 which he successfully completed and now enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Program. Kasaona's interest in the fate of biological waste produced at veterinary laboratories and other veterinary facilities such as clinics is the primary objective for enrolling in level 2 program to help formulate a comprehensive biorisk management procedure and implementation guideline.



Nathan M. Shaviya

Professional Title: Medical Genetist/Biomedical Scientist

Nationality: Kenyan

Institution: Masinde Muliro University of Science and Technology

Area of Expertise: Biorisk Management/Biohazard Waste Management

Certified as African Regional professional level 1 on Biological Waste Management: 2023

Kenyan scientist Dr. Shaviya Nathan is dedicated to biomedical sciences, particularly genetics and medical technologies. Dr. Nathan has made lasting contributions to clinical diagnosis, research, and academia over more than ten years in medicine.

Dr. Nathan began his studies driven by curiosity and a passion to improve healthcare. His Bachelor of Science in Biomedical Science and Technology laid the groundwork for his academic career. He studied modern research methods for a Master of Science in Molecular Medicine out of a passion for science and learning. Dr. Nathan received a Doctor of Philosophy in Biomedical Sciences (Medical Biotechnology) to learn more about biomedical sciences. Dr. Nathan has decades of academic and clinical experience. Over his 10 years as a university lecturer, he has inspired many ambitious scientists. He has shared vital knowledge and helped future healthcare professionals. His contributions to clinical diagnostics and research reveal his deep understanding outside academia. Dr. Nathan's research is varied. His curriculum development at Masinde Muliro University of Science and Technology (MMUST) led to many groundbreaking programmes. The first BSc in Biosafety and Biosecurity and diplomas, bachelor's, master's, and doctoral degrees in biomedical subjects are among these. His involvement in developing laboratory manuals and standard operating procedures ensures the highest safety and quality in biological research and diagnostics. Dr. Nathan, a successful researcher, has supervised postgraduate students and published in peer-reviewed journals, contributing to science. His study on complex biological processes has improved healthcare.

In 2023, Dr. Nathan received the coveted RSTMH Early Career Grant for his outstanding biomedical research and dedication to excellence. His membership in the International Federation of Biosafety and Biosecurity (IFBA) and Africa CDC biowaste management certificates demonstrate his commitment to continued education. As a Senior Lecturer at MMUST, Dr. Nathan is interested in community service, research, and education. His leadership roles at the institution and in the community show his passion for positive change and interdisciplinary collaboration. As a GIBACHT trainee in Biosafety and Biosecurity, Dr. Nathan advocates for ethical and secure healthcare and biomedical research.



Nirharosoa de Borgia Randriamora

Professional Title: Laboratory veterinarian,

Nationality: Malagasy

Institution: Laboratoire National de Diagnostic Vétérinaire / Ministry of Agriculture and Livestock

Area of Expertise: Animal Health/Biohazard Waste Management

Certified as African Regional professional level 1 on Biological Waste Management: 2024

Nirharosoa Randriamora is a doctor of veterinary medicine, with a Master's degree in Biochemistry, Biodiversity and Health and professional certificates in medical and veterinary entomology and waste management. Ms Randriamora began her career as a veterinary consultant in a company importing veterinary drugs and products. After that, she joined the administration as head of the regional animal welfare and protection department in Itasy.

She currently works at the Laboratoire National de Diagnostic Vétérinaire, in charge of the Parasitology Unit. Having achieved Level 1 certification in waste management, Nirharosoa would like to enroll in Level 2 certification, where she plans to develop a national policy for biological waste management in veterinary laboratories.

**Patience C. Mushanawani**

Professional Title: Safety Officer

Nationality: Zimbabwean

Institution: Ministry of Lands, Agriculture, Fisheries, Water and Rural Development,
Department of Veterinary Technical Services, Central Veterinary Laboratory.

Area of Expertise: Quality Management and Occupational Health and Safety

Certified as African Regional Professional level 1 on Biological Waste Management: 2023

Patience Mushanawani is a Safety Officer with an BSc in Biological Sciences and holds a Certificate in Occupational Safety, Health and Environmental Management, and various professional certificates in Biosafety and Biosecurity and social safeguards and waste management. Patience's expertise in quality management and biosecurity has been instrumental in ensuring that the lab operates in compliance with all relevant regulations and standards. Her attention to detail and commitment to best practices have earned her a reputation as a trusted leader in the field. In addition to her role at the veterinary lab, Patience is also a key member of the Zimbabwe Biosafety and Biosecurity Technical Working Group, where she provides valuable insights and guidance on issues related to biosafety and biosecurity in Zimbabwe. Her extensive knowledge and experience make him a valuable asset to the group, helping to shape policies and procedures that promote a safe and healthy work environment for all individuals. Patience's dedication to his work and her unwavering commitment to safety have made her a respected figure in the field of occupational health and safety. She continues to make a positive impact on the lives of those around her, ensuring that workplaces are safe, secure, and compliant with all regulations.

**Peninah Wamboi**

Professional Title: Veterinary Surgeon

Nationality: Kenyan

Institution: Ministry of Agriculture and Livestock Development – Directorate of Veterinary Services

Area of Expertise: Clinical pathology and Laboratory Diagnosis/Quality Champion

Certified as African Regional professional level 1 on Biological Waste Management: 2023

Peninah Wamboi is a veterinary surgeon and a clinical pathologist and laboratory diagnostician with a Bachelor of veterinary Medicine degree and an MSc. In Clinical Pathology and Laboratory diagnosis. She has also undertaken basic training certificate and a Training of trainers (ToT) training on Kenya Laboratory Biorisk Management curriculum. Dr. Peninah has served as the Biorisk Officer at the National Veterinary Investigation Laboratories Mariakani under the Directorate of Veterinary Services in the Ministry of Agriculture and Livestock Development. She works closely with the DVS in collaboration with the Ministry of health in training and ensuring the implementation of Biosafety and Biosecurity Management system. She was recently appointed the laboratory quality champion, to oversee training and implementation on the Laboratory Quality Management System (LQMS) towards the Laboratory accreditation for ISO 17025:2017. In her position as the deputy officer in charge at the lab, she has influenced trainings of laboratory personnel on waste management, biorisk assessment, Incidence and emergency response in the institution. Following the trainings, the laboratory has conducted a biorisk assessment. The outcome of the assessment was conduction of a fire awareness training and fire drill within the institution. There was also a concern on waste management, especially chemical and sharps waste generated from the laboratory. Enthused by her passion for ensuring safety and security (of the personnel, environment and community) from hazardous biological material or chemicals, she has gladly enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training in 2023.

**Purity Kimathi-Njiru**

Professional Title: Medical Laboratory Officer

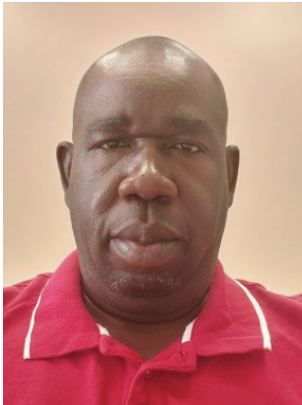
Nationality: Kenyan

Institution: Ministry of Health-Kenya Medical Laboratory Technicians and Technologist Board

Area of Expertise: Medical Laboratory Sciences|Health Regulations|Quality Management Systems Trainer, Mentor And Aslm Auditor

Certified As African Regional Professional Level 1 On Biological Waste Management: August 2023

Purity Kimathi-Njiru is a registered student pursuing Masters in Health Systems Management. She is a medical laboratory officer who holds a Bachelors in Medical laboratory sciences, and a Diploma in the same field coupled with various professional certificates in medical laboratory practice, quality management systems and auditing. She poses excellent interpersonal, communication, leadership and organization skills. Kimathi works as a laboratory quality management system auditor at the Kenya Medical Laboratory Technicians and Technologist Board which is a state corporation under the Ministry of Health State department for Public Health and Professional Standards. In her position she has actively participated in drafting the national checklist for setting up and assessment of COVID-19 testing areas and isolation centres. She has audited health facilities for purpose of regulation and continuous sustainability of quality and safe Biosafety and Biosecurity practices. In addition, she has been involved in drafting of the testing algorithm for SARS CoV-2 in Kenya. Purity has on a number of times been appointed by the Ministry of Health leadership to participate in technical working groups to develop policies, guidelines, regulations and reviews of existing national documents. Kimathi, driven by her passion on matters quality and the aspect of Biosafety and Biosecurity being a core quality system essential, she has enrolled for level 2 Certification program in Biorisk Management (BRM)/Biological Waste Management (BWM) under the Regional Training and Certification Program for Biosafety and Biosecurity professionals (RTCP-BBP) after successful completion of level 1 course.

**Trevor S. Nzehengwa**

Professional Title: Veterinarian

Nationality: Namibian

Institution: Ministry of Agriculture, Water and Land Reform

Area of Expertise: Toxicology and Residue Analysis

Certified as African Regional professional level 1 on Biological Waste Management: 2023

Trevor Nzehengwa is a Veterinarian at the Central Veterinary Laboratory in the Division of Diagnostics and Research, Directorate of Veterinary Services, Ministry of Agriculture, Water and Land Reform. With a Bachelor of Veterinary Medicine, Trevor Nzehengwa also holds a Bachelor of Technology in Agricultural Management and a Diploma in Agriculture. Trevor Nzehengwa handles samples for National Residue Monitoring program, as well as general toxicology samples. He has ensured that SOPs are in place, samples are received and stored accordingly, well analysed and wastes (biological and chemical) are well disposed. He also assists in other sections like pathology, clinical microbiology and even at the State Veterinary Clinic, where even expired drugs are handled. He is also part of the steering committee of the Central Veterinary Laboratory tasked to review and improve the Waste Management Protocol, hence was selected to attend the Level 1 Waste Management course and needless to say he has passion to advance to level 2.



Vides Abraham Kyuta

Professional Title: Environmental Health Officer

Nationality: Tanzanian

Institution: National Public Health Laboratory

Area of Expertise: Environmental Health/Biological waste management

Certified as African Regional professional level 1 on Biological Waste Management: 2024

Vides A Kyuta, a dynamic force in public health and safety, serving as both an Environmental Health Officer and Deputy Safety Officer at the esteemed National Public Health Laboratory under Ministry of Health. With a passion for safeguarding both the environment and the well-being of individuals, Vides brings a unique blend of expertise and dedication to their dual roles. As an Environmental Health Officer, they are committed to addressing environmental concerns and promoting sustainable practices that benefit both human health and the planet. Simultaneously, in their capacity as Deputy Safety Officer, ensures that stringent safety measures are in place to protect laboratory personnel and the community at large. Through meticulous risk assessments, meticulous safety protocols, and comprehensive training initiatives, they uphold the highest standards of safety and professionalism. In her position as Environment Health Officer wavering commitment to excellence, coupled with their innovative approach to addressing complex challenges, has earned them the respect and admiration of colleagues and stakeholders alike. Their dedication to making a positive impact in the realm of public health and safety is truly commendable. Vides driven by her passion in biological waste management has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training.



Mabvuto Japheth Chiwaula

Job Title: Chief Laboratory Officer

Nationality: Malawian

Institution: Ministry of Health, Public Health Institute of Malawi (PHIM)

Area of Expertise: Medical Laboratory Sciences and Health Systems Management

Certification: African Regional professional level 1 - Biological Waste Management, 2023

Mabvuto Chiwaula is a Chief Laboratory Officer with a Bachelor of Arts in Health Systems Management (BA- HSM) and a Diploma in medical laboratory Sciences and various professional certificates in laboratory sciences and other public health related certificates and has over thirty years of progressive experience in the laboratory from secondary level laboratory service delivery to tertiary level laboratory service delivery in various capacities such as National Microbiology Reference Laboratory Manager, National HIV Reference Laboratory Manager from 2008 to 2015, National TB Reference Laboratory (NTRL) manager from 2015 to 2018 and acting head of the National Public Health Laboratory (NPHL) from 2018 to 2022. Mabvuto Chiwaula was the pillar lead on COVID – 19 response for national Laboratory service from 2019 to 2022. He has been a National Coordinator on Biosafety and Biosecurity in Malawi since 2021. Mabvuto Chiwaula participated in Malawi 2019 Joint external evaluation (JEE) as a Biosafety and Biosecurity technical lead and also supported National laboratory service technical area during the 2019 Malawi JEE self-assessment. In his position as National coordinator on biosafety and biosecurity he facilitated the development of biosafety and biosecurity national guidelines as well as the training curriculum. Mabvuto driven by his passion in biohazard waste management has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training.



Darel George Scholastique

Professional Title: Laboratory Technologist
Nationality: Seychellois
Institution: Ministry of Health-Seychelles Public Health Laboratory
Area of Expertise: Food and water chemistry
Certified as African Regional professional level 1 on Biological Waste Management: 2023

Mr Darel Scholastique is a laboratory technologist with a BSc in Biomedical Sciences and is employed as for the Seychelles Public Health Laboratory (SPHL) and has worked within the Analytical chemistry and toxicology department since 2013. and operates as part of the quality management and biosafety teams for the organization.

Darel has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training



Ziyad Ahmed Abdo

Profession Title: Environmental health
Nationality: Ethiopian
Institution: Ministry of Health-Ethiopia
Area of Expertise: WASH/IPC
Certified as African Regional professional level 1 on Biological Waste Management: 2024

Ziyad Ahmed Abdo is an Environmental Health practitioner with educational background of Bsc in Environmental health science, MPH in General Public Health, and Msc in Environmental Engineering. Since his graduation with Environmental Health science on 2010, He has been working in different organization in Health sector in different potential from the lowest community structure to the ministry level. Currently he is working as WASH and Environmental Health expert at Ethiopian Ministry of Health. At this position, he is leading and strongly contributing in development of different national WASH and Environmental Health strategies, guidelines, plans, and supporting regions and city administration in cascading the national plan, providing capacity building trainings to governmental and non-governmental organizations on Health care facility WASH (WASH in Healthcare facility, Healthcare waste management, WASH-FIT, IPC, climate resilience health care facility). In addition, he supporting the ministry in implementation of community sanitation and hygiene activities such as Market based Sanitation, sustainable open defecation free implementation, WASH-NTD, Emergency WASH and social behavioral change communication. To this end he strongly works with in the area of expertise with both government sectors and non-governmental organization. He has good experience in public health research both quantitative and qualitative, having published more than 10 scientific papers in reputable peer reviewed scientific journals in different area of public health. Moreover, he has strong experience in monitoring and evaluation, documentation and developing learning experiences. Currently he is a strongly contributing member of Ethiopian Environmental Health professional Association, Infection prevention and control association, leading member of national Health care facility WASH TWG, CLEAN Ethiopia TWG. As Health care facility waste management is one of the priority areas Ziyad is working, he has enrolled in level 2 Certification in Biological Waste Management under the Regional Training and Certification Framework Program after successful completion of level 1 training supported by African CDC.



Africa Centres for Disease Control and Prevention,
Ring Road, 16/17, Haile Garment Square,
P.O. Box 3243, Addis Ababa, Ethiopia,
Tel: +251 (0) 11 551 77 00,
Fax: +251 (0) 11 551 78 44

Africa CDC is a continental autonomous health agency of the African Union established to support public health initiatives of Member States and strengthen the capacity of their public health institutions to detect, prevent, control and respond quickly and effectively to disease threats.

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