SESSION 3: MAINSTREAMING WASH AND WASTE MANAGEMENT TO CONTAIN AMR FROM ENVIRONMENTAL ROUTES

Bios of Experts

Sabiha Essack is the South African Research Chair in Antibiotic Resistance and One Health and Professor in Pharmaceutical Sciences at the University of KwaZulu-Natal in Durban South Africa. She is the co-lead of the Multi-Stakeholder Partnership Platform Action Group on "Stewardship across the Lifecycle of Antimicrobials: a One Health Approach" and member of the WHO Strategic and Technical Advisory Group for AMR. Sabiha serves as the Senior Implementation Research Advisor to the International Centre for Antimicrobial Resistance Solutions, member of the World Economic Forum Global Futures Council for AMR, member of the Combating Antibiotic Resistant Bacteria Biopharmaceutical Accelerator (CARB-X) Advisory Board, and member of the Fleming Fund Expert Advisory Group.

Neeraj Kumar works with CSE's Sustainable Food Systems programme on both global and national portfolios related to AMR, with a focus on animal and environmental aspects. He holds a Ph.D. degree in Bioinformatics (Drug and vaccine design) from the University of Delhi, Delhi where he worked on cancer research, and completed his postdoctoral studies in Neurology at Northwestern University, Chicago, USA. Over the course of his career, he has published more than 30 peer-reviewed research papers and contributed chapters to several books published internationally.

Kate Medlicott is the sanitation and wastewater team lead within the WASH team at the World Health Organization in Geneva, Switzerland. In this role Kate is responsible for translating health evidence to policy and practice through WHO guidelines on sanitation and health, safe use of wastewater and recreational water quality, and for health sector collaborations where sanitation is a critical component of risk and disease control - this includes antimicrobial resistance, neglected tropical diseases and also multi-pathogen wastewater and environmental surveillance. Kate has been the WHO AMR and environment focal point since 2014 and has led several WHO publications on AMR including Technical brief on WASH and wastewater management to prevent infections and reduce the spread of AMR and Guidance on wastewater and solid waste management for manufacturing of antibiotics

Mishelle Govender is the Chief Director: Hazardous Waste Management and Licensing in the Department of Forestry, Fisheries and the Environment. On the local level she deals with waste licensing, land remediation and management of hazardous waste streams. She has more than 22 years of experience in various aspects of environmental management, including Environmental Impact Assessments, Pollution and Waste Management, Compliance Monitoring and Enforcement and Integrated Environmental Engineering. She is currently the Basel Convention Focal Point for South Africa. She has recently been appointed as the Vice-Chairperson of the International Compliance Committee for the Basel Convention, representing the African Continent.

Betty Mbolanyi is an Environmental scientist working as a Principal Environment Officer with Ministry of Water and Environment - Kampala Uganda. Her role

covers providing technical guidance and implementing policies on Environment and Natural Resources, Biodiversity and ecosystem management, AMR and One Health Approach. A member of One Health secretariat and AMR National Technical subcommittee – joined specifically interested in data needs that can aid action on AMR problem in the country. She heads the unit that coordinates cross cutting public health threats/ events in the Ministry where AMR is anchored. She's a member of the International Solid Waste Association (ISWA), where she served as a member of the Intergovernmental Negotiating Committee on plastic pollution for COP28. Added to the body of knowledge through publication of various peer reviewed papers. Outside work space, she enjoys spending quality time with her family and friends, empowering women and girls and creating social capital.

Johannes Murowa, Environment health expert, Government of Malawi.

Tracey Mubambi, Microbiologist, Environmental Management Agency, Zimbabwe

Eunice Ubomba-Jaswa holds a PhD in Microbiology from the Royal College of Surgeons in Ireland (RCSI) and an MSc in Medical Microbiology from the London School of Hygiene and Tropical Medicine (LSHTM). Her expertise includes microbiological water quality and its impact on public health. Dr. Ubomba-Jaswa is currently a Research Manager for Water Quality & Health at the Water Research Commission (WRC) in South Africa, where she manages a portfolio of projects focused on water pollution and human health, emerging contaminants (microbial and chemical), pollutant removal, and source water protection. Her main goal is to develop solutions to address water quality challenges, improve water sector resilience, and support sustainable development. She also supervises PhD and MSc students registered at various universities in South Africa. She has co-authored several publications on water research and sits on numerous editorial boards and technical committees.

Wendmnew Abrie Mekonnen, Biosafety and Invasive Alien Species Regulation Directorate, Ethiopia Environmental Protection Authority

Oluwatoni Akinola, AMR Programme Manager, DRASA Health Trust, Nigeria. Public health professional with expertise in microbiological research and infectious disease control. Committed to driving positive change in public health policies and practices. Previously supported Nigeria Centre for Disease Control and Prevention as a Technical Assistant (Policy) to the Director General.

Lakshika Gunaratne, Development Officer, Central Environmental Authority, Sri Lanka. She is involved in the formulation, implementation, and monitoring of environmental regulations, such as Environmental Protection Permits and environmental impact assessments.

Aeorangajeb Al Hossain is a physician and public health specialist with over ten years of experience in Bangladesh and abroad. He currently serves as Health Specialist at WaterAid Bangladesh, where he leads the integration of health within WASH programmes, advancing critical linkages with antimicrobial resistance (AMR). Dr. Hossain holds a PhD in Public Health from Nagoya University, Japan, and has received advanced training from Emory University, the US CDC, and EMPHNET. His expertise includes field epidemiology, disease surveillance, nutrition, and environmental toxicology. As a visiting researcher at Nagoya University, he has authored multiple peer-reviewed publications on WASH, environmental health, and AMR. He is passionate about bridging science, policy, and practice to strengthen health systems in the Global South.

Swati Subodh is the Programme Lead for the AMR Programs at the Centre for Cellular and Molecular Platforms (C-CAMP), Bengaluru, India.She has 20+ years of experience across the infectious diseases domain, panning basic sciences, public health and innovations, in her various capacities. Her work spans from bench to field—translating cutting-edge deep science into scalable healthcare solutions. With her work at C-CAMP, that anchors the India AMR Innovation Hub (IAIH), she plays a pivotal role in supporting the conceptualization and implementation of innovation-led initiatives in collaboration with government and international & national partners, with the objective of advancing equitable, last-mile health solutions for India, and the LMICs.

Jyoti Joshi, is independent Senior Science consultant at the International Centre for AMR Solutions (ICARS). She is a medical doctor, specialised in Community Medicine from Lady Hardinge Medical College, India and Infectious Diseases from the London School of Hygiene and Tropical Medicine, United Kingdom with more than twenty years of experience in public health implementation and policy in the areas of antimicrobial resistance & immunization to tackle infectious diseases in low and middle income countries. Dr. Joshi supports country teams comprising of ministries and researchers in Sub Saharan Africa and Asia for co-developing implementation research projects for AMR mitigation, tailored to their local contexts.