Bios of Experts

Session -1

Towards Sustainable Food-Animal Production Systems to prevent AMR, Zoonoses and Climate Change

Naphtal Mwanziki is a seasoned veterinary professional with over 25 years' experience in veterinary regulation, pharmaceutical management, and public service leadership. He is currently serving at Kenya's Directorate of Veterinary Services, where he plays a leading role in advancing strategies to combat Antimicrobial Resistance (AMR) under a One Health framework. His work focuses on strengthening surveillance systems, coordinating cross-sectoral stakeholders, and promoting responsible use of antimicrobials to safeguard human, animal, and environmental health. Previously, Dr. Mwanziki pioneered the establishment of Kenya's Veterinary Medicines Directorate, where he provided strategic leadership and developed enduring regulatory systems for veterinary pharmaceuticals. His expertise in governance, compliance, and international collaboration has positioned him as a trusted advisor in shaping veterinary policy and regulatory reform across Africa. He is widely recognized for his contributions to public health, food security, and sustainable animal health systems

Denis K. Byarugaba holds a PhD in Microbiology. He also holds additional training in infection Microbiology and Infectious Diseases from University of Copenhagen. He is a Professor of Microbiology at Makerere University. He is a Fellow of the Uganda National Academy of Sciences (UNAS) and was a member of its Governing Council (2016-20220. He Is a Laboratory Director for Emerging Infectious Diseases Laboratories at Makerere University conducting research in emerging and re-emerging infectious diseases. He chaired the UNAS standing committee on Antimicrobial Resistance that developed the Uganda AMR National Action Plan for Uganda and supported several countries in Africa in that process. He is Vice Chair of the National Coordination committee of Uganda AMR and the AMR surveillance Technical working Group and supports implementation of the NAP. He has worked with FAO and WHO as a consultant on several projects including managing several influenza prevention and control programs in Uganda and Antimicrobial Resistance (AMR) in the Africa region supporting interventions for control of AMR in several African countries (Malawi, Kenya, Ghana, Zambia, Zimbabwe, and Uganda), supporting, and advising the government of Uganda on the COVD19 response and others. Prof Byarugaba also led the AMR risk assessment and prioritization of interventions for AMR containment in Africa using a qualitative risk analysis (RA) methodology developed by FAO and provided technical support for pilot AMR intervention projects in two African countries. He was one of the experts that supported the Quadripartite development of the One health Research agenda for AMR recently. Prof Byarugaba has been involved in research on AMR and other emerging public health threats spanning over 30 years with over 100 publications including as an editor of a Book on "Antimicrobial Resistance in Developing Countries".

Ntombi Mudenda is a Senior Lecture and Researcher at the University of Zambia, School of Veterinary Medicine and work in the companion and wild animal fields. My research in AMR has been in companion animals and poultry. On a national level, I chair the AMRCC Technical Working Group on Awareness and Education.

Dishon Muloi is a molecular epidemiologist and veterinarian with the International Livestock Research Institute in Nairobi, Kenya and an adjunct fellow at University of Liverpool, UK. He also holds a PhD in molecular epidemiology from the University of Edinburgh in UK. His research interests focus on the application of genomics approaches in understanding and preventing transmission of AMR (and infectious diseases) within and between humans, animals and environmental interfaces. Dr Muloi is currently working on various large-scale surveillance projects investigating the epidemiology of AMR and AMU across One Health interfaces in urban and rural settings in Eastern and Southern Africa and Southeast Asia.

Victor Chishimba is a Zambian Community Engagement and Advocacy Expert actively contributing to the country's antimicrobial resistance (AMR) response. He is the AMR focal point at the Zambia Community Health Initiative (ZCHI), a member of the AMR Coordinating Committee (AMRCC), and Secretary of the Technical Working Group on Education and Awareness.
Victor has contributed to national documents such as the AMR Communication Strategy and the Community Engagement Guide with partners including the ReAct Africa network. He champions participatory approaches through Farmer Field Schools, trains influencers as AMR champions, and serves as Qualitative Lead for the ICARS-supported poultry project improving antimicrobial stewardship, biosecurity, and record keeping among small-scale farmers.

Annisa Devi Rachmawati is a veterinarian working at Center for Indonesian Veterinary Epidemiological Studies (CIVAS) on antimicrobial stewardship including biosecurity on Indonesian poultry farms – CORNERSTONE-project granted by NWO/RISTEKDIKTI. She was a former trainee of Global Health True Leader training in 2018 and was serving as project officer for several One Health related projects such as Disease Emergence and Economic Evaluation of Altered Landscape (DEAL) Project, INDOHUN Research Project Funded by USAID, Department of Biodiversity and in collaboration with University of Minnesota and EcoHealth Alliance, and Global health Diplomacy Training held by INDOHUN and in collaboration with Ministry of Health Republic of Indonesia.

K. S. Grewal, from Keggfarms, India — a pioneering social for-profit enterprise — leads national and regional programmes in Sales, Marketing, and Institutional Outreach. With over 17 years at Keggfarms, he has been instrumental in advancing inclusive poultry-based livelihood models that empower women, improve household nutrition, and strengthen rural economies across diverse geographies in India and beyond. He works closely with governments, multilateral agencies, and development partners to design and scale poultry interventions that align with state and national livelihood missions. His expertise spans sustainable livestock practices, large-scale programme delivery, and rural development through poultry innovation. Dr. Grewal holds a BVSc (Bachelor of Veterinary Science) from Punjab Agricultural University, an MVSc (Master of Veterinary Science) from Gujarat Agricultural University, and an Executive Programme in Management from MDI Gurgaon. He continues to contribute actively to policy dialogues on livelihoods, food security, and animal health

AV Hari Kumar holds a Masters in veterinary science, and has over three decades of experience in the field. He is currently working as Deputy General Manager and Group Head, Animal Health Group, in the National Dairy Development Board (NDDB). Dr Kumar has been pivotal in framing the biosecurity protocols and guidelines for semen stations in the country and also in conceptualising the Information Network on Animal Productivity and Health (INAPH) software. He played a significant role in the import of HF and Jersey bull calves into the country. He also specialises in formulating holistic, farmer-centric, cost effective disease control models appropriate to the Indian context; these have been presented in various international forums. He has formulated and is implementing One Health models for economically important diseases like brucellosis and mastitis. Dr Kumar has contributed immensely in developing extension tools to increase awareness on animal health issues and in propagation of ethno-veterinary practices among dairy farmers in India.

Jyoti Misri, AMR Specialist, FAO India

Cóilín Nunan is the Policy and Science Manager of the Alliance to Save Our Antibiotics, an alliance of 71 member organisations to campaign against the overuse of antibiotics in livestock farming. He has co-authored numerous reports on antibiotic resistance and antibiotic residues that highlight the human-health impact of excessive antibiotic use in intensive livestock farming. The Alliance's work aims to encourage a move to a more responsible use of antibiotics in farming, through better regulation, voluntary actions and improvements in production systems, which would also improve animal health and welfare.

Anders Dalsgaard is a trained veterinarian and Professor in Veterinary Public Health at the Faculty of Health and Medical Sciences at the University of Copenhagen, Denmark. He is also Senior Scientific Consultant for the International Centre for Antimicrobial Resistance Solutions (ICARS). Anders Dalsgaard directs a research group at the University of Copenhagen that conducts research on zoonotic pathogens and antimicrobial resistance in the interface between humans, livestock, and the aquatic environment with a special focus on low- and middle-income countries (LMIC). He has worked for more than 25-years with research and research capacity building in LMICs. His group uses advanced molecular-biology approaches to characterize and study fate and transmission of pathogens and antimicrobial resistance, e.g. in the food value chain. Through ICARS he supervises activities in LMIC countries that aims at reducing AMU and AMR through intervention and solution-oriented type of research. He has a special interest in the impact of biosecurity measures as well as food trade and certification schemes on the use of antimicrobials in livestock and aquaculture productions He has been a member of several FAO-WHO expert groups on food safety hazards. He is the author of more than 300 articles published in international peer-reviewed journals and has supervised more than 25 PhD students.

Amit Khurana heads CSE's Sustainable Food Systems Programme. A member of CSE's top management group for almost a decade, Amit has been working to push for necessary change in policy and practice towards food systems, which are sustainable for livelihood of farmers, health of people and the environment and climate. He mainly focuses on containing antimicrobial resistance from food systems and environmental routes and upscaling agroecology-based and resilient agriculture. He engages with stakeholders in India, Asia and Africa and also informs global discourse and guidance.