

<p>10.30-10.50 AM</p>	<p>Official opening</p>	<ul style="list-style-type: none"> • Opening/welcome remarks from the Host Prof. Moses Nyangito, Dean Faculty of Agriculture • Remarks from the Associate Dean, Prof. Catherine Kunyanga, Faculty of Agriculture • Remarks from Chairman DFNT; Prof. George Abong • Remarks from Chairman Economics; Prof Jonathan Nzuma, • Remarks from Chairman, Plant Science and Crop Protection; Prof. James Muthomi • Remarks from Chairman LARMAT, Prof Richard Onwong’a, • Remarks from the Chairperson Innovation, Dr. Juliana Cheboi
<p>10.50-11.30AM (40Mins)</p>	<p>Panel discussions: Plenary session 1</p>	<p>Keynote presentation Keynote speaker: Dr. Abdelbagi Ismail- IRRRI Topic: Innovative solutions to Deliver High Quality Nutritious and safe food in sustainable Food Systems Panelists</p> <ol style="list-style-type: none"> 1. Ms. Mercy Imbinda(FoodAdvice)- Food Safety and standards 2. Dr. Roy Mugiira(NBA)- Emerging issues on Crop Gene Technology and Biosafety 3. Mrs. Alice Kemuntho (CGA)- Consumer rights and Awareness in the modern Face of innovations and AI <p>Moderator: Prof. Catherine Kunyanga</p>
<p>11.30-11.50 AM</p>	<p>Q&A</p>	<p>Reaction from participants</p>
<p>11.50.00 AM - 12. 20 PM (30 Mins)</p>	<p>Plenary session 2</p>	<p>Keynote Presentation. Dr Charles Lange (NEMA) Topic: Emerging Technologies for sustainable production of livestock based foods</p> <p>Panelists</p> <ol style="list-style-type: none"> 1. Dr. Richard Kyuma Topic: Emerging threats to Livestock Production Systems in Dry land/ Threats to sustainable food systems and Livelihood 2. Dr. Rawlence Bett Topic: Utilization of genetic tools in the livestock feed industry <p>Moderator: Prof. Charles Gachuri</p>
<p>12.20-12.30PM</p>	<p>Q&A</p>	<p>Reaction from participants</p>
<p>12.30 PM</p>	<p>Lunch break</p>	

Prof. Moses M. Nyangito Profile (Dean, FoA)



Prof. Moses M. Nyangito has 20 years' successful experience in Training at University level in Animal Ecology and Rangeland Resource Management, and providing expertise in Rangeland Management, Natural Resource Management, Environmental Management and Agricultural related sectors for sustainable development. He has experience in applying research driven solutions for sustainable development, ability to analyze and apply insights and team approach to drive implementation of best practices, and have good networking skills

Prof. Catherine Kunyanga Profile (Associate Dean, FoA)



Prof. Catherine Kunyanga, is an Associate Professor in the Department of Food Science, Nutrition and Technology, Associate Dean, Faculty of Agriculture, University of Nairobi. She is also the Coordinator, Food Security Center, a center of excellence. She has over 18 years of experience in Agriculture and Food Sciences and her research areas includes Food Technology, Food Safety, Food and Nutrition Security, Food Biotechnology, Sustainable Food Systems, Postharvest Handling, and Human Nutrition. Her research interest currently focuses on food innovations and technologies that can be leveraged towards reduction of food and nutrition insecurity using sustainable food systems approach in a holistic, transdisciplinary, and interdisciplinary approach to promote consumption of safe and nutritious foods for better nutrition and health outcomes. She is involved in several collaborative projects both locally and internationally. She has also been actively engaged in capacity development of the private sector, NGO, Government ministries and SMEs.

Dr. Juliana Cheboi (Nairobi Innovation week, FoA Chair)



Dr. Juliana Cheboi is a lecturer of Plant breeding, at the Department of Plant Science and Crop Protection, University of Nairobi. She teaches and conduct research and outreach programs in Plant breeding and Agriculture related Courses. She is a member of legume breeding community of practice with interest in breeding for biotic and abiotic stresses to enhance food and nutritional security. She is very keen on working with drought resilient crops with great potential to alleviate malnutrition and food security among the rural and urban poor in Kenya and in the Sub-Saharan Africa where drought and climate change effects are huge. She is highly motivated, self-driven, results-focused person who is passionate about economic, social and spiritual transformation of individuals, Country and the African Continent.

Dr. Abdelbagi M. Ismail (Director, IRRI-Africa)-Keynote Speaker



Dr. Abdelbagi M. Ismail, is a Principal Scientist with over 30 years of research for development, focusing on crop improvement to enhance adaptation to unfavorable environments and to increase resilience to climate change, especially for areas affected by floods, drought, salt stress, nutrient deficiencies and toxicities. Contributed to advancing understanding of mechanisms associated with tolerance of several abiotic stresses in crops, and also to the development and deployment of stress-tolerant varieties and proper system-based crop and resource management packages; with notable impacts in Asia and Africa. Led several regional programs and projects on breeding and delivery of high-yielding, climate smart varieties and technologies, through building and coordinating large networks of research and development partners. Served in several leadership roles including Deputy Director General for Research (Interim) and Head, Genetics and Biotechnology Division. Currently assuming the role of Regional Representative for Africa. Holds a PhD in Botany, University of California, Riverside. Authored/co-authored over 270 peer reviewed articles, chapters and books. Recipient of several merit and leadership awards and member of several editorial boards and science societies; Fellow (Foreign), National Academy of Agricultural Sciences, India; and Member, Research, Variety Development and Seed Production Working Group – African Seed Biotechnology Platform, African Union.

Dr. Charles Lange (NEMA)-Keynote speaker



Dr. Charles Lange is an eminent research scientist with over 15 years of dedicated research in environment and natural resources conservation in Kenya. Academically he holds Bachelor of Science degree and Master of philosophy from Moi University on natural resources management. He later obtained his PhD from Faculty of Science from Copenhagen University, Denmark in 2005. In addition to his major degrees, Dr. Lange has undertaken several technical and leadership courses further equipping him with requisite technical and administrative skills for steering research and institutional development. In relevant experiences, Dr. Lange has pursued research for over 17 years in the field of environment and natural resources conservation while working with various government agencies and collaborating with various stakeholders. During his time in research career, Dr. Lange has successfully developed, fund-raised and implemented over 15 key research projects that have gone a long way in addressing key pressing national issues and supporting policy and regulatory regimes. In the course of his research undertaking, he has managed to publish over 30 peer reviewed scientific paper in various journals and presented his research work in various international conferences and symposiums across the world. Currently, Dr. Lange works for the National Environments Management Authority where is he responsible for environmental research and planning coordination. At the National Environments Management Authority, Dr. Lange also coordinates the development of the Kenya State of Environment Report every two years since 2018, a national policy document that shapes policies development and implementations. In addition to national duties, Dr. Lange has served various international duties nominated by the Government of Kenya. Previously he represented the country in the international committee under UNEP to develop policy options on the future of Global Environment Outlook report. Currently he represents Kenya and Africa on a global Intergovernmental Working Group on Drought under the auspice of the United Nations Convention to Combat Desertification. He is also a lead negotiator for the country on matter desertification and drought under the United Nations Convention to Combat Desertification which Kenya has ratified.

PANELISTS

1. Ms. Alice Kemunto



Alice Kemunto, the Executive Director of the Consumer Grassroots Association (CGA), is a remarkable figure in Nairobi, Kenya. Her passion lies in women's empowerment and social accountability. As a staunch advocate for consumer rights, she emphasizes the crucial role of data, developers, and users in the field of artificial intelligence. Through her work, Alice Kemunto strives to create positive change and ensure that AI operates within a legally appreciated ecosystem. Her dedication to consumer rights and social impact is truly commendable.

2. Ms. Mercy Imbinda



Mercy is a young project manager, FoodAdvice with a background in journalism, driven by a passion for leadership and mentorship. Her mission is to empower individuals to uncover their true purpose and realize their fullest potential. Leveraging her expertise in communication and influence, Mercy is dedicated to guiding young professionals through meaningful conversations and mentorship programs, enabling them to make a significant impact in their respective fields.

3. Dr. Roy Mugiira



Dr. Roy B. Mugiira joined the National Biosafety Authority (NBA) in August 2021 as the Director of Technical Services (DTS). Before that, he served as the acting CEO from 22nd February 2022. Previously, he served as the Director of Research, Ministry of Education.

From February 2016 to January 2021, he worked as the Director of Scheduled Sciences at the National Commission for Science, Technology and Innovation (NACOSTI). Before that, from November 2009 to August 2011, he worked as the acting Technical Director and Chief Executive Officer of the National Biosafety Authority (NBA) on deployment from the Ministry of Higher Education, Science and Technology (MoHEST). In the formative stages of NBA, he was involved in building organizational, institutional and human resource capacity for effectively enforcing the Biosafety Act, 2009.

In terms of academic qualifications, Dr Mugiira holds a PhD in the diagnosis of plant viral infections based on the alignment of their DNA sequences. In addition, he has research experience in cloning viral DNA genomes into gene silencing vectors for application in functional genomics. He holds a Master of Science Degree in Plant Pathology and a Bachelor of Education Science Degree from Egerton University.

With more than fifteen years of experience in science and technology, Dr Mugiira has played a key role in developing Kenya's Biotechnology Development Policy and the Biosafety regulatory framework for Genetically Modified Organisms. He is a member of the Royal Society of Biologists and the Biosafety Risk Assessment Panel of Experts for the Cartagena Protocol on Biosafety. In addition, he has a broad experience in policy advisory for the governance of Science, Technology and Innovation (ST&I) generally and Biotechnology Development specifically.

4. Dr. Richard Kavila Kyuma



Dr. Richard Kyuma is a rangeland drought management, pastoral livestock production systems, GIS & remote sensing, Carbon stocks assessment and Climate risk insurance Specialist. He has a 30 years' experience. He has a PhD in Dryland resource management from the University of Nairobi (2012 – 2016). PhD Thesis title: “Evaluation of *Prosopis juliflora* productivity for carbon stocks and animal feeds under climate variability in drylands of Magadi, Kenya”. He also has an Msc. in GIS and remote sensing for Natural Resource Management (Sustainable Agriculture option) from ITC (A faculty of Twente University) in the Netherlands (2006 – 2008). Research thesis – Dry season grazing reserves for drought management. He also has a BSc. In Range Management from University of Nairobi (1988-1991)

Dr. Richard Kyuma is a Deputy Director of Livestock production and currently deployed as the Head of Food security in the Directorate of Livestock production. Other assignments include the following: – Acting Project Coordinator of the “Horn of Africa - De-Risking, Inclusion and Value Enhancement of Pastoral Economies (DRIVE)” project in Kenya (2022 to 2023). This is a regional public and private partnership (PPP) project which aims at protecting pastoralists against the effects of droughts, while increasing their access to market and mobilizing private investment into the livestock value chains. He was the Chairman of the multi-institutional team for the design of the world bank supported “Horn of Africa - De-Risking, Inclusion and Value Enhancement of Pastoral Economies” (DRIVE) project (2021 to 2022)

From 2016 to 2023, Dr. Richard Kyuma was the Program Coordinator of the Kenya livestock insurance program (an innovative insurance product for protecting pastoralists against the effects of drought) jointly implemented by Government of Kenya (state department of Livestock), World Bank and ILRI. In 2018, he developed a program document for IFAD on “Strengthening smallholder farmers’ resilience to climate shocks and natural disasters through the development of the climate risk insurance market in West and Central Africa”.

In 2016-2017, he carried out a Biophysical landscape study for USAID funded ADESO –REGAL IR program in five arid counties of Turkana, Marsabit, Wajir, Garissa and Isiolo of Kenya. The objective of the study was to undertake a landscape wide biophysical environmental studies and time series data analysis of the state of natural resources, over the last 30 years. Expert knowledge and innovative technologies including geographical Information Systems (GIS) and remote sensing were used to establish the current status, trends and changes over time of the natural resources and design appropriate interventions in Turkana, Marsabit, Isiolo and Wajir.