UNIVERSITY OF NAIROBI

FACULTY OF VETERINARY MEDICINE

FVM 4TH ANNUAL INTERNATIONAL SCIENTIFIC CONFERENCE 2026

CONFERENCE PROGRAMME

21–23 October 2026 • All times East Africa Time (EAT, UTC+3)

Wangari Maathai Institute for Peace and Environmental Studies (WMI), Upper Kabete Campus

Time	Presentation or activity	Presenter
DAY 1 Wednesday 21 October 2026		
7:30–8:30 am	Arrival and registration	
8:30–9:00 am	Housekeeping	
9:00–11:00 am	Opening ceremony • Welcome remarks by the Dean, FVM • Guest of Honour: Prof. John Demesi Mande (DVC-AA), University of Nairobi	
11:00–11:30 am	**Health break**	
Session 1 One Health and Climate Change		
Chair: Dr. Tequiero Abuom Okumu | Rapporteur: Dr. Dominic Omosa Ochwang'i		
11:30–11:50 am	From Research to Policy and Practice: Strengthening Animal Resource Governance for a Sustainable and Competitive Sector	Dr. Allan Azegele
11:50 am–12:05 pm	Ethical Issues in Desert Locust Control Research During Emergencies: A One Health Perspective from Marsabit County, Kenya	Galgallo Golicha Huka
12:05–12:20 pm	Mifugo Watch: Turning a Decade of Validated Satellite Data into Life-Saving Action for Kenya's Pastoralists	ExcelRose Majimbo
12:20–12:35 pm	Ethical Challenges in Antimicrobial Stewardship: Perspectives of Healthcare Providers at Kenyatta National Hospital	Ian Itolondo
12:35–1:00 pm	**Plenary Q&A**	
1:00–2:00 pm	**Lunch break**	

Time	Presentation or activity	Presenter
Session 2 Natural Products and Pharmacognosy		
Chair: Prof. Joshua Onono | Rapporteur: Dr. Christine Mbindyo		
2:00–2:20 pm	Brooke East Africa presentation	
2:20–2:35 pm	Antimicrobial Activity and Phytochemical Screening of 50% Hydro-Ethanolic Extracts of Mondia whitei (Hook.f.) Skeels (Apocynaceae)	Hagari Robert William
2:35–2:50 pm	Antimicrobial Activity, Toxicity and Phytochemical Composition of *Senna didymobotrya* (Fresen.) H.S. Irwin and Barneby Crude Leaf Extracts	Daniel Yonah Munyala
2:50–3:05 pm	*Carissa spinarum* L. Aqueous Root Extracts Ameliorate Oxidative Stress-Induced Infertility in Adult Male Wistar Rats	Martin Ouma
3:05–3:20 pm	Ameliorative Effects of Moringa oleifera Aqueous Leaf Extract on Ornidazole-Induced Infertility in Male New Zealand White Rabbits	Esther Maluki
3:20–3:35 pm	In Vitro Antioxidant Activity and In Silico Molecular Docking of Bioactive Compounds of Hibiscus acetosella Leaf Extracts	Willy Nzulu Kisoi
3:35–3:50 pm	Phytochemical Profile and Safety Studies of Hydro-Ethanolic Leaf Extract of *Oxygonum sinuatum* (Meisn.) Dammer	Millicent Gathoni
3:50–4:00 pm	CEVA presentation	
4:00–4:30 pm	**Plenary Q&A**	
4:30–4:50 pm	**Health break**	
DAY 2 Thursday 22 October 2026		
7:45–8:20 am	Registration of participants	
Session 3 Epidemiological Studies of Animal Diseases		
Chair: Prof. Lucy Wanjiru Njagi | Rapporteur: Dr. Ambrose Kipyegon Ng'eno		
8:30–8:50 am	Blending New Technologies with Established Knowledge: Pathways to Sustainable Control of Tropical Livestock Diseases	Dr. Musa Mulongo
8:50–9:05 am	Veterinary Capacities in Pastoral Devolved Governance Units in Kenya: A Participatory Case Study of Marsabit County	Elia Lolem Ekitela
9:05–9:20 am	Livestock Disease Response as the Weakest Link in Disease Control in the Pastoral Northern Kenya	Elia Lolem Ekitela
9:20–9:35 am	Seroprevalence and Factors Associated with Canine Leishmaniasis in Baringo County, Kenya: Implications for Integrated One Health Surveillance	Hellen Njeri Maingi
9:35–9:50 am	Acute Generalised Lymphadenitis (AGL) as an Emerging Priority Camel Health Condition in the Pastoral Northern Kenya	Ahmed Mohamed Abdallah

Time	Presentation or activity	Presenter
9:50–10:05 am	Factors Influencing Uptake of Livestock Vaccination Programmes Among Smallholder Farmers in Embakasi East, Nairobi County	Prof. Lucy Njagi
10:05–10:30 am	**Plenary Q&A**	
10:30–11:00 am	**Health break**	
Session 4 Fisheries, Aquaculture, Comparative Bioscience and Diagnostics		
Chair: Dr. Rawlyce C. Bett | Rapporteur: Dr. Callen Nyangate Onura		
11:00–11:20 am	Recent Advances in Research and Management of the Coastal and Marine Fisheries in Kenya: Towards an Ecosystem Approach to Fisheries Management	Prof. Cosmas Munga
11:20–11:35 am	Tech Driven Aquaculture and Fish Welfare	John Nyambane
11:35–11:50 am	Their Nose on Their Toes? Understanding Olfactory Function and Future of Tick Repellent Technology	Daniella Naserian
11:50 am–12:05 pm	What Will it Take to Heal Chronic Wounds Perfectly? Lessons from Deomyine Rodents	John M. Kimani
12:05–12:25 pm	Host Lipidomics for Tuberculosis Biomarker Discovery: A Scoping Review and Translational Agenda	Joash Odhalo Gombe
12:25–12:45 pm	Detection of Mycoplasma Species from Vaccine Cell Cultures and Laboratory Environment in Nairobi, Kenya	Wilfred Saidimu
12:45–1:00 pm	**Plenary Q&A**	
1:00–2:00 pm	**Lunch break**	
Session 5 Wildlife, Animal Welfare and Community Engagement		
Chair: Dr. Catherine Kaluwa | Rapporteur: Dr. Joel Winyo Ochieng		
2:00–2:20 pm	Economics of Conservation and Sustainable Financing	Dr. Tuqa Jirmo
2:20–2:35 pm	A Review of Bird Conservation Approaches and Methods and Their Impacts on Kenya's Avian Biodiversity Status	Prof. Muchane S. Muchai
2:35–2:50 pm	Annual Patterns of Breeding and Moult in Common Bulbuls (*Pycnonotus barbatus*) Across Nigeria, Zambia and Kenya	Salma Thoya
2:50–3:05 pm	Status of Macrofungi and Arbuscular Mycorrhiza Fungi in One-Year Old Forest Gardens in Lake Victoria Watershed Ecosystem	Dr. Mary Muchane
3:05–3:20 pm	Foraging Ecology of the Vulturine Guineafowl (*Acryllium vulturinum*) at Mpala Ranch, Laikipia, Kenya	Sikenykeny Kennedy

Time	Presentation or activity	Presenter
3:20–3:40 pm	Using Tri-Axial Accelerometers to Evaluate the Lying Time of Working Donkeys in Mwea Subcounty, Kenya	Dr. Wilson Kuria Kimani
3:40–3:55 pm	Contribution of the University of Nairobi Veterinary Outreach Programs to Animal Welfare in Ndumbu-ini, Kiambu County, Kenya	Muchiri Tiffany Wambaire
3:55–4:15 pm	Animal Welfare and Occurrence of Subclinical Mastitis in Smallholder Dairy Cows in Njoro Sub-County, Kenya	Collins Kevin Ouma
4:15–4:40 pm	**Plenary Q&A**	
4:45–5:00 pm	**Health break and close for the day**	
DAY 3 Friday 23 October 2026		
7:45–8:20 am	Registration of participants	
Session 6 Drug Discovery and Development, AMR, and Basic and Applied Bioscience Research		
Chair: Dr. Davis Karanja | Rapporteur: Dr. Isaac Ole Mapenay		
8:30–8:45 am	Atlantis Life Science presentation	
8:45–9:00 am	Knowledge, Attitude and Practice of Dairy Farmers Regarding Antibiotic Use and Resistance in Selected Regions of Eritrea	Redie Kidane
9:00–9:15 am	Antimicrobial Activity and Toxicity of Secondary Metabolites Produced by Extremophile Bacteria Isolated from Lake Magadi, Kenya	David Njenga
9:15–9:30 am	Effect of Black Soldier Fly Larvae on Bacterial Pathogens and Antimicrobial Resistance Genes in Dorper Sheep Manure	Dembede Steve
9:30–9:45 am	Antimicrobial Resistance Awareness in Local Languages: The Voicevigil AMR Language Champions Programme School Engagement Pathway in Kenya	Chemutai Caren
9:45–10:00 am	Morphology and Morphometry of the Olfactory Mucosa and Olfactory Bulb in the Muscovy Duck (*Cairina moschata*)	Peter Nyoike Njogu
10:00–10:30 am	**Plenary Q&A**	
10:30–11:00 am	**Health break**	
Session 7 Livestock Value Chains, Food and Feed Safety		
Chair: Prof. George Gitau | Rapporteur: Dr. Sharon N. Mbindyo		
11:00–11:10 am	Adenchem Stores Limited presentation	
11:10–11:30 am	Alternative and Emerging Livestock Feed Resources in Kenya	Prof. Charles K. Gachuiri

Time	Presentation or activity	Presenter
11:30–11:45 am	Effects of Grass-Legume Intercropping on Rumen Microbial Composition and Metabolite Profiles in Boran Steers Fed Tropical Grasses	Immaculate Nkatha
11:45 am–12:00 pm	Goat Value Chain Modelling Shows Investment in Mosquito Control Creates Benefits Through Reduced Incidences of Rift Valley Fever in Human and Animal Populations	Dickson Machira Nyaguthii
12:00–12:15 pm	Histomorphometric Changes in Sheep Gut Following Nutritional Supplementation with Saccharomyces cerevisiae Fermentation Product	Milka Wanjohi
12:15–12:30 pm	Risk Factors Associated with Food-Borne Diseases Among Patients Diagnosed at Kenyatta National Hospital, Kenya	Dabodabo J.W.M.
12:30–1:00 pm	**Plenary Q&A**	
1:00–2:00 pm	**Lunch break**	
Session 8 Innovative and Smart Livestock Production Technologies and Advances in Clinical Veterinary Practice		
Chair: Prof. Samuel Githigia | Rapporteur: Dr. Peter Kimeli		
2:10–2:30 pm	COSMOS presentation	
2:30–2:45 pm	MastiSense: A Portable Multi-Parameter Smart Strip Cup for Early Mastitis Detection in Smallholder Dairy Herds	Barasa Samuel Simiyu
2:45–3:00 pm	In Silico Evaluation of Cytotoxicity, Drug-Induced Genetic Expressions, and ADMET Characterization of Selected Phytochemicals with Anticancer Activity Using AI and ML Techniques	Isaac M. Ole-Mapenay
3:00–3:15 pm	Locally Developed Animal Models for Clinical Skills Training: A Student-Led Approach to Advancing the Three Rs in Veterinary Education	Phosteen Wafula
3:15–3:35 pm	Flygene presentation	
3:35–3:55 pm	Assessment of Artificial Intelligence Adoption and Digital Preparedness Among Veterinary Students; University of Nairobi	Brian Ogalo
3:55–4:30 pm	**Plenary Q&A**	
4:30–5:10 pm	Closing ceremony and end of conference • Guest of Honour: Prof. M. Jesang Hutchinson (DVC-RIE), University of Nairobi	
ASSOCIATED ACTIVITIES		
21–23 October, 9:00 am–4:00 pm	Stakeholder sensitization and farmers' exhibition • Wangari Maathai Institute, Upper Kabete Campus	

Time	Presentation or activity	Presenter
Saturday 24 October, 9:00 am–4:00 pm	Community corporate social responsibility activity • Community-wide spay and neuter campaign and rabies vaccination for free-roaming and owned dogs and cats • Ndumbu-ini Chief's Camp, Kiambu County	

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