



...improving the livelihoods of Kenyans

## 55<sup>TH</sup> KENYA VETERINARY ASSOCIATION ANNUAL SCIENTIFIC CONFERENCE

**Theme: Animal Resource Industry Driving the Sustainable Development Goals**

**Date: 27th & 28th September 2021**

**Venue: Sandies Tropical Village Hotel, Malindi**

**HYBRID CONFERENCE (16 CPD POINTS)**

### Monday; 27th September 2021

7.00-8.00 am	ARRIVAL AND REGISTRATION OF DELEGATES
8.00- 8.20am	INTRODUCTION: SCIENTIFIC MEETING
	Session 1: Legal and Policy framework in the Animal Resource Industry
	SESSION CHAIR:
8.20-8.40am	Keynote address: Utilizing policy to transform the Animal Resource Sector for sustainable Socio-economic Development - Dr. Christopher Wanga
8.40-9.00am	Kenya Veterinary Board update -Dr. Idraph Ragwa, KVB CEO
9.00-9.20am	Sensitization on consultant college of public health epidemiology and health economics- Prof William Ogara
9.20-9.35am	Q&A
	Session 2: Livestock Traceability and Financing- Livestock Economics
	SESSION CHAIR
9.35-9.55 am	LITS Regulation and National validation-Dr. Nicholas Muyale
9.55-10.15am	commercialization of the livestock sector - Ms Clarice Aduma



<b>10.15-10.30am</b>	Q&A	
<b>10.30-11.00am</b>	<b>TEA BREAK</b>	
	SESSION CHAIR:	
<b>11.00-11.30am</b>	<b>OIE'S engagement towards Rabies Elimination in Africa- Dr. Samuel Wakhusama</b>	
<b>11.30-12.00pm</b>	<b>BROOKE EA – Dr. Raphael Kinoti</b>	
<b>12.00-1.00pm</b>	<b>Opening Ceremony-KVA NEC</b>	
<b>1.00-2.00pm</b>	<b>LUNCH</b>	
	SESSION CHAIR:	
<b>2.00-2.20pm</b>	<b>Responses to foot and mouth disease outbreaks in large ruminants with an antimicrobial free welfare therapeutic -Prof. Peter Winsor</b>	
<b>2.20-2.40pm</b>	<b>Moving the Public to Protect Animals during COVID19 - Ms. Lucy Wanjiku</b>	
<b>2.40-2.55pm</b>	<b>CKL pt 1</b>	
<b>2.55-3.10pm</b>	<b>CKL pt 2</b>	
<b>3.10-3.25pm</b>	<b>Q&amp;A</b>	
<b>3.25-3.30pm</b>	<b>INTERLUDE</b>	
	<b>Session 3A: Companion Animal Management &amp; Wildlife</b>	<b>Session 3B: Innovations</b>
	SESSION CHAIR:	SESSION CHAIR:
<b>3.30-3.45pm</b>	Exploiting Africa's Wildlife: 'Big 5 and Little 5' – Dr. Patrick Muinde	Asparagus racemosus as a potential novel analgesic product – Dr. Catherine Kaingu
<b>3.45-4.00pm</b>	Incidence, classification, and management of appendicular bone fractures in dogs in Nairobi County, Kenya: A retrospective study of 402 cases (2007-2013) – Prof. John D. Mande	Testing and validation of cow IoT heat detection device on three dairy farms in Kenya – Dr. Moses Olum
<b>4.00-4.15pm</b>	Clinical, radiographic and pathological features of dogs affected with conditions of the urinary system within Nairobi County Kenya: (1980-2005) – Prof. John D. Mande	Characterizing the Genetic Variation of Newcastle Disease Virus from Poultry in Kenya for Future Vaccine Development – Dr. Irene Ogali



4.15-4.30pm	Diseases and Occupational Hazards of Working Dogs in Nairobi County and Its Environs – Dr Willy Mwangi	Ruminant parasitology future landscape and innovations- Dr. Joseph Kitur
4.30-4.45pm	Prevalence, clinical manifestations and risk factors associated with urolithiasis in domestic cats in Nairobi County – Dr. Kimani Kuria	Development And Evaluation Of Wild Derived Rats As Potential Experimental Models For Research – Dr. Lucy Gitau
4.45-5.00pm	The role of Point of care Ultrasound (POCUS) in veterinary Medicine- Dr. Lilyan Mathai	Use of PPR PENSIDE test kit a tool in PPR eradication campaign in Kenya – Dr. Zachary Rukenya
5.00-5.15pm		Efficacy of VERYL® in the treatment of cattle naturally infected with gastro-intestinal nematodes in Kenya – Dr. Monicah Maichomo
5.15-5.30pm	Q&A	
5.30-6.00pm	<b>TEA BREAK</b>	
	POSTER PRESENTATIONS	POSTER PRESENTATIONS
	Injuries Associated with Capture and Translocation of Wildlife Species in Kenya – Dr. Sharon Mulindi	Estimating the Economic Impact of Rabies Disease in Makueni County, Kenya - Dr. Chuchu Mbaire



## Day 2: Tuesday, 28th September 2021

7.00-8.00 am	Arrival of delegates and Registration	
	Session 4: RABIES	
	SESSION CHAIR:	
8.00-8.20am	<b>Keynote: FAO: ISAVET program; its role in building the capacity of frontline animal health workers for Rabies control</b>	
8.20-8.35am	United Against Rabies: Effective use of vaccines, medicines, tools and technologies-Prof. Thumbi Mwangi	
8.35-8.50am	Impact of dog vaccination coverage on Rabies outbreak probability and cost- Dr. Joseph Kitur	
9.05-9.15am	Rabies elimination in rural Kenya: vaccine shortages in health facilities, low awareness and knowledge on Rabies and its management among health care workers - Dr. Mbaire Chuchu	
9.15-9.30am	Building a business case for rabies control: analysis of cost-effectiveness of mass dog vaccination in Machakos, Kenya- Dr. Maurice K. Murungi	
9.30-9.45am	Volunteer based approach to dog vaccination campaigns to eliminate human rabies: Lessons from Laikipia County, Kenya – Dr. Dishon Muloi	
9.30-9.45am	Efficacy of short message system on compliance with rabies post-exposure prophylaxis regimen by human cases of dog-bites in rural Kenya-Dr. Mbaire Chuchu	
9.45-10.00am	Coverage of Mass Dog Vaccination Towards Rabies Elimination in Makueni County, Kenya - Dr. Daniel Kisee	
10.00-10.15am	Mapping access to healthcare facilities for rabies post-exposure prophylaxis for dog bite patients in Makueni county- Dr. Mumbua Mutunga	
10.15-10.30am	Integrated approach to disaster of economic and animal welfare concerns: case studies of stable flies attack in Meru County and collaboration in Rabies control Nairobi County- Dr. Samantha Opere	
10.30-10.45	<b>Q&amp;A</b>	
10.45-11.15am	<b>TEA BREAK</b>	
	Session 5: AMR and Food Security	
	SESSION CHAIR:	
11.15- 11.35am	<b>Optimizing gut Health and Immunity for performance in poultry: role of postbiotics- Dr. Jared Serem</b>	
11.35-11.50am	Antimicrobial resistance at the human-livestock interface in a rapidly urbanizing city: a One Health approach – Dr. Dishon Muloi	



11.50-12.05pm	Broiler Welfare and fast-food restaurants – Dr. Victor Yamo	
12.05-12.20pm	Consumer Preference and Willingness to Pay for Safer Pork in Busia County, western Kenya – Dr. Mercy Cianjoka	
12.20-12.35pm	Growth Performance of Broilers Fed on Processed <i>Acacia tortilis</i> Seed Meal as a Replacement of Soya Bean Meal – Dr. Lawrence Ikiamba	
12.35-12.50pm	Animal welfare and antimicrobial resistance – Dr. Kelvin Momanyi	
12.50-1.05pm	Livestock interventions to improve human nutrition: the livestock for health project-Dr. Josphat Muema	
1.05-1.20pm	Q&A	
1.200-2.20pm	<b>LUNCH</b>	
	Session 6a: Aquatic Health & Animal Welfare	Session 6B: Epidemiology and Public Health
	SESSION CHAIR:	SESSION CHAIR:
2.35-2.50pm	Current status and perceptions of Agrovets operators in Kenya - Dr. James Kithuka	Sero-prevalence and risk factors of infectious bovine rhinotracheitis virus (type 1) in Meru County, Kenya – Dr. Essau Serem
2.50-3.05pm	Prevalence, Intensity and Influence of Water Quality on Parasitic Infestations of Farmed Fish in Kirinyaga County, Kenya – Dr. Robert Waruiru	Community Perspectives and Views on Natural Resource Management and its Implications on Biodiversity Conservation – Dr. Dennis Bahati
3.05-3.20pm	Parasite communities of <i>Oreochromis niloticus baringoensis</i> in relation to selected water quality parameters in the springs of Lorwai Swamp and Lake Baringo, Kenya – Dr. Stephanie Wangare	Occurrence of Ehrlichia species among smallholder dairy farms in Nairobi City County, Kenya – Dr. Shepelo Getrude
3.20-3.35pm	Use of qualitative and semi-quantitative histopathology analysis in assessment of water pollution and infection in <i>Oreochromis niloticus</i> of Lake Victoria, Kenya - Kamundia Waweru	A One Health multi-sectoral national strategy for Brucellosis prevention and control in Kenya – Dr. Mark Nanyingi
3.35-3.50pm	An Assessment of Donkey Cross-Border Movement and Trade along the Kenya-Tanzania Border – Dr. Dennis Bahati	Epidemiological Factors that contributed to the Nakuru 2019 FMD Outbreak – Dr. Joseph Mosabi



3.50-4.10pm	Animal Health and Welfare Education Gaps-Needs Survey-Kenya 2021 - Dr. Solomon Onyango	Risk assessment of cystic hydatidosis in cattle slaughtered at Busia Town abattoirs - Kenya, 2018 – Dr. Henry Joash
4.10-5.00 pm	Q&A	Epidemic and pandemic preparedness through community-based surveillance in Bomet, West Pokot, Narok and Tharaka Nithi counties – Dr. Vivian Chemweno, Kenya Red Cross Society
5.00-5.30pm	<b>TEA BREAK</b>	
	Poster presentations	
	The Role of Wildlife and other livestock in FMD transmission to dairy cattle in the Nakuru 2019 outbreak – Dr. Joseph Mosabi	
KEY		In-person oral presentation
		Virtual presentation

