

THE WRTI 1st WILDLIFE SCIENTIFIC CONFERENCE IN KENYA, 26TH - 28TH SEPTEMBER, 2023

General Programme

MONDAY, 25TH SEPTEMBER 2023: ARRIVAL OF PARTICIPANTS			
TUESDAY, 26TH SEPTEMBER 2023			
TIME	EVENT/ ACTIVITY		
8.00 - 9.00	Registration, exhibition and housekeeping – Kiboko Hall		
9.00 – 11.30	Opening ceremony – Kiboko Hall Keynote Address 1: Conservation science, management and policy; The nexus – Dr. Hellen Gichohi		
11.30 – 12.00	Group Photo and Health Break		
12.00 - 12.45	Keynote Address 2: Kiboko Hall Use of science for harmonized policy engagement by Lucy Waruingi		
12.45 - 14.00	Lunch Break		
14.00 – 16.50	Parallel Breakout Session 1 - Kiboko Hall Sub-theme: Changes in wildlife population trends and dynamics	Parallel Breakout Session 1 -2-Way Hall Sub-theme: Initiatives towards wildlife habitat restoration and connectivity	Parallel Breakout Session 1 - Acacia Hall Sub-theme: Approaches to enhance human-wildlife coexistence in human-dominated landscapes
16.50 - 17.15	Health Break and End of Day One		
WEDNESDAY, 27TH SEPTEMBER, 2023			
8.00 – 8.15	Registration, exhibition and housekeeping		
8.15 - 9.00	Keynote Address 3 – Kiboko Hall Infrastructure and conservation: the nexus for policy development by Dr. Ben Okita		
9.00 - 9.45	Keynote Address 4 - Kiboko Hall Ecological monitoring and community enterprises by Dr. David Western		
9.45 - 10.00	Launch of National IUCN Species Specialist Group		
10.00 -10.30	Health break		
10.30 -13.00	Parallel Session 2 – Kiboko Hall Sub-theme: Changes in wildlife population trends and dynamics	Parallel Session 2 – 2-Way Hall 2 Sub-theme: Initiatives towards wildlife habitat restoration and connectivity	Parallel Session 2 – Acacia Hall Sub-themes: Approaches to enhance human-wildlife coexistence in human-dominated landscapes, and Approaches to climate change mitigation and adaptability
13.00 - 14.00	Lunch Break		
14.00 - 14.45	Keynote Address 5 - Kiboko Hall Remote Sensing and Natural Resource Surveys for Wildlife conservation and Management by Dr. Emmanuel Nkurunziza		
14.45-16.45	Parallel Session 3- Kiboko Hall Sub-theme: Changes in wildlife population trends and dynamics	Parallel Session 3 – 2-Way Hall Sub-theme: Use of science for harmonized policy engagement	Parallel Session 3 – Acacia Hall Sub-theme: Approaches to climate change mitigation and adaptability
16.45 -17.15	Health Break		
17.15 - 20.00	Networking dinner		

THURSDAY, 28TH SEPTEMBER 2023

8.00 - 8.15	Registration exhibition and housekeeping		
8.15 - 9.00	Keynote Address 6 – Kiboko Hall Regulation of wildlife research in Kenya by Prof. Walter Oyawa		
9.00 – 9.15	Role of research in the implementation of EAC Wildlife Strategy by Leo Niskanen		
9.15 - 10.00	Parallel Session 4 – Kiboko Hall Sub-theme: Addressing wildlife health challenges through One Health approach	Parallel Session 4 – 2-Way Hall Sub-Theme: Use of new technology in addressing wildlife conservation challenges	Parallel Session 4 – Acacia Hall Sub-Theme: Use of biotechnology and bio-prospecting for enhanced socio-economic benefits
10.00 -10.30	Health Break		
10.30 - 13.00	Parallel Session 5- Kiboko Hall Sub-theme: Addressing wildlife health challenges through One Health approach	Parallel Session 5- 2-Way Hall Sub-Theme: Use of new technology in addressing wildlife conservation challenges	Parallel Session 5- Acacia Hall Sub-Themes: Use of biotechnology and bio-prospecting for enhanced socio-economic benefits, and Use of natural capital accounting systems and payment for ecosystem service for socio-economic benefits
13.00 - 14.00	Lunch Break		
14.00 - 15.30	Parallel Session 6- Kiboko Hall Sub-theme: Addressing wildlife health challenges through a One Health approach	Parallel Session 6- 2-Way Hall 3 Sub-Theme: Use of new technology in addressing wildlife conservation challenges, and Emerging alternative wildlife utilization and enterprises	Parallel Session - 6- Acacia Hall Sub-Theme: Emerging alternative wildlife utilization and enterprises
15.30 – 16.00	Recommendations and way forward		
16.00 – 16.30	Closing Ceremony		

Daily

Time	Event/Paper	Responsible	Chair
8.00 – 9.00	Registration, exhibition and housekeeping	Organizing committee	
9.00 - 11.30	Opening ceremony - Kiboko Hall Keynote Address 1 : Conservation science, management and policy; The nexus- Dr. Hellen Gichohi	Event Organizer	Master of Ceremony
11.30 – 12.00	Group Photo and Health Break		
Time	Event/Paper	Presenter	Chair
12.00 -12.45	Keynote Address 2 - Use of science for harmonized policy engagement by Lucy Waruingi - Kiboko Hall	Lucy Waruingi	Dr. Patrick Omondi
DAY 1- PARALLEL SESSION 1- Kiboko Hall			
Sub-theme: Changes in wildlife population trends and dynamics			
Time	Event/Paper	Presenter	Chair
14.00-14.20	Sub-theme Keynote speaker	Prof. Joseph Ogutu	Bernard Ngoru
14.20– 14.35	Conservation Gains, Losses and the Future of Tana River Red Colobus and Tana River Mangabeys in the lower Tana River: Analysis of Four Decades Population Trends	Stanislaus Kivai <i>et al.</i>	
14.35- 14.50	Development of a Science-Based Integrated Metapopulation Management Plan for the Kenyan Black Rhinoceros (<i>Diceros bicornis michaeli</i>)	Cedric Khayale <i>et al.</i>	
14.50 - 15.05	A long-term study: Lion trends and dynamics in northern Kenya	Toby Otieno <i>et al.</i>	
15.05 – 15.20	Africa's wilderness under threat – the case of wild dogs (<i>Lycan pictus</i>) in Kenya's Kajiado County	George Mboya <i>et al.</i>	
15.20 – 15.35	Anthropogenic disturbance induces opposing population	Kay E. Holekamp <i>et al.</i>	
15.35 - 15.50	Avian diversity in different forest regimes in and around North Nandi Forest, Kenya.	Mark Cheruiyot Bett <i>et al.</i>	
15.50 – 16.05	Birds in the matrix: the role of agriculture in avian conservation in the Taita Hills, Kenya	Philista Adhiambo Malaki <i>et al.</i>	
16.05 - 16.20	25 Years of Long-Term Elephant Monitoring in Samburu	David Letitiya <i>et al.</i>	
16.20 – 16.35	Long-term population and demographic trends among the Amboseli elephants.	Phyllis Lee <i>et al.</i>	
16.35 – 16.50	Q&A		
DAY 1- PARALLEL SESSION 1 – 2-Way Hall			
Sub-theme: Initiatives towards wildlife habitat restoration and connectivity			
Time	Event/Paper	Presenter	Chair

Time	Event/Paper	Responsible	Chair
14.00 – 14.20	Sub-theme Keynote Speaker	Dr. Paul Matiku	Dr. Fred Omengo
14.20 – 14.35	A spatial planning framework for informing integrated biodiversity and ecosystem service conservation and restoration	Gibbon Gwili <i>et al.</i>	
14.35 – 14.50	Infrastructure and wildlife mortality: current research and future directions	Fredrick Lala <i>et al.</i>	
14.50 – 15.05	Can market-based mechanisms enhance connectivity of landscapes? Lessons from Kasigau Corridor, Southern Kenya.	Geoffrey Mwangi and Tom Kiptenai	
15.05 - 15.20	Distribution and seasonal movements of savannah elephants, (<i>Loxodonta Africana</i>) around Lake Jipe, a function of foraging resources	Muteti Zacharia Mutinda <i>et al.</i>	
15.20 – 15.35	How anthropogenic features and threats contribute to shape cheetah, (<i>Acinonyx jubatus</i>) activities and connectivity	Cherie Schroff	
15.35 -15.50	Implementing community-based corridors to enhance wildlife connectivity	Benjamin Loloju <i>et al.</i>	
15.50 -16.05	Key biodiversity areas: preserving wildlife diversity for a sustainable future	Paul Gacheru <i>et al.</i>	
16.05 - 16.20	Rangeland restoration for a refugee species:re-establishment of grass cover using large scale multi-site experiments in African Savanna	Ali Abdullahi <i>et al.</i>	
16.20 – 16.35	Socio-economic and environment sustainability outcomes of the competing land use systems in northern Tanzania.	Lucas Yamat <i>et al.</i>	
16.35 – 16.50	Q&A		
DAY 1- PARALLEL SESSION 1 - Acacia Hall			
Sub-theme: Approaches to enhance human-wildlife coexistence in human-dominated landscapes			
Time	Event/Paper	Presenter	Chair
14.00 – 14.20	Sub-theme Keynote speaker	Prof. Noah Sitati	Dr. Festus Ihwagi
14.20 – 14.35	Building a landscape of resilience: large carnivore governance and management implications of farmers' attitudes and livestock husbandry practices in a multicultural setting within Meru National Park, Kenya	Kennedy Kariuki <i>et al.</i>	
14.35 - 14.50	Amboseli Trust for Elephants HECx Program – Learning how to coexist by understanding elephant behaviour.	Lydia Tiller <i>et al.</i>	
14.50 – 15.05	Appraisal of the government and private compensation schemes for human wildlife conflict in Kenya	Sarah M. Omusula <i>et al.</i>	
15.05 – 15.20	Assessing the drivers of attitude, tolerance and perception of local communities on elephants and human wildlife conflicts around Meru conservation area.	Newton Simiyu <i>et al.</i>	
15.20 – 15.35	Behavior of rescued and rehabilitated elephant calves with an eye toward release success.	Colman Lesowapir <i>et al.</i>	
15.35 – 15.50	Capabilities, opportunities, and motivations for poaching reticulated giraffe in central-northern Kenya.	Symon Masiaine <i>et al.</i>	
15.50 - 16.05	Community engagement in vulture conservation in the southern rangelands of Kenya	Paul Gacheru <i>et al.</i>	
1605-1620	Ewaso Lions – a story of community-led conservation	Jeneria Lekilelei <i>et al.</i>	
16.20 – 16.35	Human-lion coexistence: Lessons learned from predator-proof bomas project in Amboseli-West Kilimanjaro ecosystem, Kenya and Tanzania	David Manoa <i>et al.</i>	
16.50 – 17.05	Q&A		
DAY TWO WEDNESDAY 27th SEPTEMBER 2023			
8.00 - 8.30	Registration		Chair
8.30 – 9.15	Keynote Address 3 - Infrastructure and conservation: the nexus for policy development - Kiboko Hall	Dr. Ben Okita	Sam Weru
9.15 – 10.00	Keynote Address 4 - Ecological monitoring and community enterprises - Kiboko Hall	Dr. David Western	
DAY 2- PARALLEL SESSION 2 – Kiboko Hall			
Sub-theme: Changes in wildlife population trends and dynamics			
Time	Event/Paper	Presenter	Chair

Time	Event/Paper	Responsible	Chair
10.30 – 10.45	Modelling distribution of Kirk's dik dik (<i>Madoqua kirkii</i>) in the Greater Tsavo Ecosystem.	Fredrick Lala <i>et al.</i>	Dr. David Manoa
10.45 – 11.00	Leopards' density and putative co-occurrence with spotted hyaena in the Maasai Mara ecosystem, Kenya	Elena Chelysheva <i>et al.</i>	
11.00 – 11.15	Ecological factors influencing large herbivore distribution (LHD) in Ruma National Park of Homa Bay County, Kenya	Luke Lukaria <i>et al.</i>	
11.15 – 11.30	Interaction between African leopards (<i>Panthera pardus pardus</i>) and olive baboons (<i>Papio anubis</i>) in Laikipia, Kenya.	Laiyon Lenguya <i>et al.</i>	
11.30 – 11.45	Dynamics of herbivore distribution and habitat selection in the Greater Serengeti Ecosystem, Tanzania	Hamza K Kija <i>et al.</i>	
11.45 – 12.00	A general age and sex-structured model of wildlife population dynamics illustrated by the Mara-Serengeti topi population	Joseph Ogutu <i>et al.</i>	
12.00 – 12.15	Distribution and abundance of migrant birds and endangered mammals within Naivasha Wildlife Sanctuary, Kenya	Peter Maina <i>et al.</i>	
12.15 – 12.30	Past outcomes and future directions for African elephant translocations	Lydia Tiller <i>et al.</i>	
12.30 – 12.45	Pathways to human-giraffe conflict and coexistence in eastern Kenya	Ali Abdullahi <i>et al.</i>	
12.45 – 13.00	Q&A		
DAY 2- PARALLEL SESSION 2 - 2-Way Hall			
Sub-theme: Initiatives towards wildlife habitat restoration and connectivity			
Time	Event/Paper	Presenter	Chair
10.30 - 10.45	Status, conservation threats and restoration of the Tarangire-Manyara (Kwakuchinja) wildlife corridor in Tanzania	Julius Keyyu <i>et al.</i>	Dr. Judy Nyunja
10.45 – 11.00	The extent and impacts of invasive species on Wildlife habitat productivity	Peter Maina <i>et al.</i>	
11.00 – 11.15	The impact of cattle foraging on habitats by Kenyan plains zebra (<i>Equus guagga</i>) and Grevy's zebra (<i>E. grevyi</i>)	Daniel Rubenstein <i>et al.</i>	
11.15 – 11.30	The influence of elephants foraging on tree species regeneration and abundance in Arabuko-Sokoke Forest, Kenya	Lynn Njuguna <i>et al.</i>	
11.30 – 11.45	The role of environmental, structural and anthropogenic variables on underpass use by African savanna elephants (<i>Loxodonta africana</i>) in the Tsavo Conservation Area.	Michael Koskei <i>et al.</i>	
11.45 – 12.00	Tracking carbon allocation to unravel how mutualism and its breakdown affect tree dynamics in Laikipia, Kenya	Elizabeth Pringle <i>et al.</i>	
12.00 – 12.15	Transfrontier elephant movements in the Kidepo ecosystem: evidence for connectivity across Uganda, Kenya and South Sudan	Purity Milgo <i>et al.</i>	
12.15 – 12.30	Understanding the foraging behavior and dispersal patterns of red colobus monkey (<i>Priocolobus rufomitratus</i> , Peters 1879) populations in natural and agro-ecosystems forests in Tana River Primate National Reserve, Tana River County Kenya	Rose Abae <i>et al.</i>	
12.30 -12.45	Young male elephants – dispersal and exploration in Amboseli	Vicki Fishlock <i>et al.</i>	
12.45 – 13.00	Q&A		
DAY 2- PARALLEL SESSION 2 – Acacia Hall			
Sub-theme: Approaches to enhance human-wildlife coexistence in human-dominated landscapes			
Time	Event/Paper	Presenter	Chair

Time	Event/Paper	Responsible	Chair	
10.30 – 10.45	Impact of drought and development on the effectiveness of beehive fences as elephant deterrents over nine years.	King, L. E <i>et al.</i>	Fredrick Lala	
10.45 – 11.00	Late Holocene human interactions with the landscape in Eastern Africa	Stephen Rucina <i>et al.</i>		
11.00 – 11.15	Nature and extent of human- hippopotamus conflict in Busega District, North- Western Tanzania	Richard Lyamuya <i>et al.</i>		
11.15 – 11.30	The effectiveness of bomas with wire-fencing and lights at deterring livestock depredation and its influence on pastoralists' attitudes towards carnivore conservation.	Ambrose Letoluai <i>et al.</i>		
11.30 – 11.45	The Elephant Queen: can a nature documentary improve tolerance for elephants?	Harry Williams <i>et al.</i>		
11.45 – 12.00	Q&A			
Sub-theme: Approaches to climate change mitigation and adaptability				
12.00 – 12.15	Are they the key to coral reef resilience? A temporal study from Kenya	Said Hashim Omar <i>et al.</i>		
12.15 – 12.30	Assessing the Aberdare fire incidence in Kenya: causes, impacts, and multi-stakeholder-based approaches for effective mitigation	Jared Asenwa Lumbasi <i>et al.</i>		
12.30 – 12.45	Assessment of vegetation changes in Kilombe Caldera, Baringo County Kenya; Inferences from micro botanical remains and current vegetation	Rebecca Muthoni <i>et al.</i>		
12.45 – 13.00	Q&A			
			Chair	
14.00 – 14.45	Keynote Address 5 - Remote Sensing and Natural Resource Surveys for Wildlife conservation and Management- Kiboko Hall	Dr. Emmanuel Nkurunziza	Dr. Joseph Mukeka	
DAY 2- PARALLEL SESSION 3 – Kiboko Hall				
Sub-theme: Changes in wildlife population trends and dynamics				
Time	Event/Paper	Presenter	Chair	
14.45 – 15.00	Population distribution and abundance of the Common hippopotamus, <i>Hippopotamus amphibius</i> in Lakes Naivasha and Nakuru, Kenya	Joseph Edebe <i>et al.</i>	Dr. Joseph Mukeka	
15.00 – 15.15	Rural socioeconomic trends, and not ecological competition with livestock, as a main driver of wildlife declines in East Africa.	Lucas Yamat <i>et al.</i>		
15.15 – 15.30	Spatially-explicit future landscape scenarios for population growth of the African elephant	Sospeter Kiambi, <i>et al.</i>		
15.30 – 15.45	Temporal dynamics in observations of rare antelope endemic to Shimba Hills National Reserve, Kenya.	Benard Ochieng <i>et al.</i>		
15.45 – 16.00	The social structure and demographic status of the lion population in Meru National Park, Kenya.	Alois Mweu <i>et al.</i>		
16.00 – 16.15	Wildlife and livestock in the Samburu and Buffalo Springs National Reserves: insights from 17 years of monitoring	Giacomo D'Ammando <i>et al.</i>		
16.15 - 16.30	Lion (<i>Panthera leo</i>) monitoring and community conservation within the greater Mara ecosystem	Kasaine Sankan <i>et al.</i>		
16.30 - 16.45	Q&A			
DAY 2- PARALLEL SESSION 3 - 2-Way Hall				
Sub-theme: Use of science for harmonized policy engagement				
Time	Event/Paper	Presenter	Chair	

Time	Event/Paper	Responsible	Chair
14.45 – 15.00	Assessment of management effectiveness of the greater Mara and Mara Triangle conservation area: the case of Masai Mara national reserve, Siana, Oloisukut, and Ikinyei conservancies	Judith Nyunja	
15.00- 15.15	Comparative analysis of wildlife governance approaches in African countries	Frida D. Obare <i>et al.</i>	
15.15 – 15.30	Evidenced-based decision support for guiding biodiversity conservation strategies associated with urban growth and infrastructural development in East Africa.	Anthony Macharia <i>et al.</i>	
15.30 – 15.45	Mainstreaming of birds conservation into energy sector- lessons in engaging in energy issues in Kenya	Paul Gacheru <i>et al.</i>	
15.45 – 16.00	Morally contested conservation: Use of science for effective and inclusive policy implementation	Betty Rono <i>et al.</i>	
16.00 – 16.15	The greater Mara monitoring framework: a practical model for linking scientific evidence to management and policy needs	Holly T. Dublin <i>et al.</i>	
16.15 – 16.30	Q&A		
DAY 2- PARALLEL SESSION 3 - Acacia Hall			
Sub-theme: Approaches to climate change mitigation and adaptability			
Time	Event/Paper	Presenter	Chair
14.45 – 15.00	Sub-theme Keynote speaker	Prof. Daniel Olago	Dr. Mohammed Said
15.00 – 15.15	Impacts of a severe drought on the Samburu elephants	David Daballen <i>et al.</i>	
15.15 - 15.30	Developing drought mitigation measures for elephants in the Tsavo ecosystem by understanding long-term elephant distribution and mortality patterns in relation to NDVI, vegetation, and rainfall.	David Kimutai <i>et al.</i>	
15.30-15.45	Effects of climate change on elephants population in Amboseli National Park in Kenya	Lynnette Mwari Kiboro <i>et al.</i>	
15.45 - 16.00	Middle Pleistocene high elevation archaeological site: Potential refugia site during extreme climatic events	Kinyanjui, Rahab	
16.00 – 16.15	Modeling trends and variation in rainfall, temperature, NDVI, SOI and DMI in the Greater Mara-Serengeti Ecosystem: implications for biodiversity dynamics and conservation	Joseph Ogutu <i>et al.</i>	
16.15 – 16.30	Potential impacts of climate change on wildlife protected areas, a case study of Maasai Mara National Game Reserve	Laban K. Rotich <i>et al.</i>	
16.30 – 16.45	Vulnerability assessment of <i>Chondrichthyan</i> species to fisheries in coastal Kenya: implications for conservation and management	Benedict Kiilu <i>et al.</i>	
16.30 – 16.45	Q&A		
DAY 3 THURSDAY, 28TH SEPTEMBER 2023			
8.00 - 8.15	Registration		Chair
8.15 – 9.00	Keynote Address 6 – Regulation of wildlife research in Kenya- Kiboko Hall	Prof. Walter Oyawa	Dr. Vincent Obanda
9.00 – 9.15	Role of research in the implementation of EAC Wildlife Strategy	Leo Niskanen	
DAY 3- PARALLEL SESSION 4 – Kiboko Hall			
Sub-theme: Addressing wildlife health challenges through One Health approach			
Time	Event/Paper	Presenter	Chair
9.15 – 9.30	Sub-theme Keynote speaker	Prof. Eddy Mogo	Dr. David Ndeereh
9.30 – 9.45	Recurrent anthrax outbreaks in humans, livestock and wildlife in the same locality, Kenya (2014-2017)	Matthew Muturi <i>et al.</i>	
9.45 - 10.00	Evaluating temporal patterns of anthrax outbreaks in Kenya's wildlife and the control measures instituted to control and prevent anthrax events in the country	Francis Gakuya <i>et al.</i>	
DAY 3- PARALLEL SESSION 4 – 2-Way Hall			
Sub-theme: Use of new technology in addressing wildlife conservation challenges			
Time	Event/Paper	Presenter	Chair

Time	Event/Paper	Responsible	Chair
9.10 – 9.30	Sub-theme Keynote speaker	Dr. Jack Wall	Wycliffe Mutero
9.30 – 9.45	Compatibility of livestock and wildlife in human occupied rangelands: using traditional pastoralism to enhance conservation of lions in their wild prey in Laikipia, Kenya	Annabella Helman <i>et al.</i>	
9.45 – 10.00	Combining technologies to examine human-lion interactions across scales for improved coexistence	Lucrecia K. Aguilar <i>et al.</i>	
DAY 3- PARALLEL SESSION 4 – Acacia Hall			
Sub-theme: Use of biotechnology and bio-prospecting for enhanced socio-economic benefits			
Time	Event/Paper	Presenter	Chair
9.10 – 9.30	Sub-theme Keynote speaker	Prof. Marion Mutugi	Priscilla Mutungi
9.30 – 9.45	A New Gem: <i>Steganotaenia araliacea</i> , a new host plant for edible <i>Bunaea alcinoe</i> larva in Yatta plateau, Machakos, Kenya.	Alex Mutinda <i>et al.</i>	
9.45 – 10.00	Bioprospecting for Thermophilic break-down of keratin-laden biomass waste	Francis Mulaa <i>et al.</i>	
DAY 3- PARALLEL SESSION 5 – Kiboko Hall			
Sub-theme: Addressing wildlife health challenges through One Health approach			
Time	Event/Paper	Presenter	Chair
10.30 - 10.45	Behavior and parasitism in a wild baboon population	Mercy Akinyi <i>et al.</i>	Dr. David Ndeereh
10.45 -11.00	Evidence of co-exposure with <i>Brucella</i> spp, <i>Coxiella burnetti</i> and Rift Valley fever virus among various species of wildlife in Kenya	James Akoko <i>et al.</i>	
11.00 – 11.15	Conservation of lions in Samburu through improving domestic carnivore welfare	Solomon Lenasalia <i>et al.</i>	
11.15 – 11.30	Gastrointestinal nematodes and physiology at the Livestock-Wildlife Interface in Kenya	Alice Burton <i>et al.</i>	
11.30 – 11.45	Gastrointestinal parasite dynamics at the livestock-wildlife interface in Laikipia, Kenya	Andrew Halls <i>et al.</i>	
11.45 - 12.00	Non-invasive assessment of ovarian activity in free-ranging eastern Black Rhinoceros (<i>Diceros bicornis michaeli</i>) in Kenya	Maureen Kamau <i>et al.</i>	
12.00 - 12.15	Assessment of heavy metal contaminants in Nkenye Stream in Meru south – Kenya.	Samson Chabari <i>et al.</i>	
12.15 – 12.30	A One Health approach to engaging communities better in long term elephant conservation.	Belinda Omollo <i>et al.</i>	
12.30 – 12.45	Southern white rhino gifts to Aitong, Kenya - fly in the ointment?	Richard Kock <i>et al.</i>	
12.45 – 13.00	Q&A		
DAY 3- PARALLEL SESSION 5 – 2-Way Hall			
Sub-theme: Use of new technology in addressing wildlife conservation challenges			
Time	Event/Paper	Presenter	Chair
10.30 – 10.45	Flooding of Lake Nakuru National Park and its effects on the resident wildlife	Peter Hongo <i>et al.</i>	Joseph Edebe
10.45 – 11.00	Hippopotamus suitable habitat analyse in the Pendjari biosphere reserve using remote sensing and GIS tools	GRM Adouke <i>et al.</i>	
11.00 – 11.15	Impacts of the Loisaba Conservancy rhino fence on the behavior of other wildlife species	Rita Orahle <i>et al.</i>	
11.15 – 11.30	Enhancing Mapping of Illegal Wildlife Trade Hotspots in Kenya: Integrating Market Survey and Confiscated Wildlife Meat Analysis	Antoinette Miyunga <i>et al.</i>	
11.30 – 11.45	Introducing a new HEC toolbox and trainer of trainers workshops to enhance human-elephant co-existence.	Ewan Brennan <i>et al.</i>	

Time	Event/Paper	Responsible	Chair
11.45 – 12.00	Keeping watch on Olgulului Ololarashi group ranch, Amboseli, Kenya	Wycliffe Mutero <i>et al.</i>	
12.00 – 12.15	Leveraging AI and satellite to push the boundary of wildlife survey technologies	Tiejun Wang <i>et al.</i>	
12.15 – 12.30	Photo Identification as a tool to study sea turtle populations in Kenyan Marine Protected Areas	Leah Mainye <i>et al.</i>	
12.30 - 12.45	Q&A		
DAY 3- PARALLEL SESSION 5 – Acacia Hall			
Sub-themes: i) Use of biotechnology and bio-prospecting for enhanced socio-economic benefits ii) Emerging alternative wildlife utilization and enterprises			
Time	Event/Paper	Presenter	Chair
10.30 – 10.45	Effective access and benefit sharing systems key for wildlife conservation and livelihoods improvement.	Mukonyi Kavaka <i>et al.</i>	Priscilla Mutungi
10.45 – 11.00	Promoting a new species of <i>Cotesia</i> as a first biological control agent against the Mediterranean corn borer, an expanding pest	Calatayud Paul-André <i>et al.</i>	
11.00 – 11.15	The use of cryopreservation in species conservation: Nature's SAFE The Living Biobank.	Susan Walker <i>et al.</i>	
11.15 – 11.45	Community perceptions on the enhancement of avitourism activities in Arabuko Sokoke Forest in Kilifi County, Kenya.	Jairus Koki <i>et al.</i>	
11.45 – 12.00	Q&A		
Sub-theme (ii): Use of natural capital accounting systems and payment for ecosystem service for socio-economic benefits			
12.00 – 12.20	Sub-theme Keynote speaker	Bernard Opa	
12.20 -12.35	Implementing payment for ecosystem services scheme in Kenya: The case of Lake Naivasha Basin.	Weru Sammy <i>et al.</i>	
12.35 – 12.50	Dakatcha woodland ecosystem service assessment	Paul Gacheru <i>et al.</i>	
12.50 - 13.00	Q&A		
DAY 3- PARALLEL SESSION 6 - Kiboko Hall			
Sub-theme: Addressing wildlife health challenges through One Health approach			
Time	Event/Paper	Presenter	Chair
14.00 – 14.15	Seroprevalence of <i>Neospora caninum</i> in spotted hyena populations in areas of high and low anthropogenic activity in the Maasai Mara National Reserve, Kenya	Marsden Onsare <i>et al.</i>	Dr. Francis Gakuya
14.15 – 14.30	The physiological condition of orphaned African elephants	Jenna Parker <i>et al.</i>	
14.30 – 14.45	Variability in water quality parameters within Kenyan Rhino areas and potential toxicity from water uptake.	Fred Omengo <i>et al.</i>	
14.45 – 15.00	Using a One Health Approach to address Wildlife Disease Challenge	Marilyn Karani <i>et al.</i>	
15.00 - 15.15	Q&A		
15.30 – 16.00	Recommendations and Way forward		
16.00 – 16.30	Closing Ceremony		
DAY 3- PARALLEL SESSION 6 – 2-Way Hall			
Sub-themes: i) Use of new technology in addressing wildlife conservation challenges ii) Emerging alternative wildlife utilization and enterprises			
Time	Event/Paper	Presenter	Chair
14.00 – 14.15	Post-release behavior of rehabilitated and released elephant calves in Sera Rhino Sanctuary, Kenya	Lemerketo Samuel Loidialo <i>et al.</i>	Dr. Daniel Chai
14.15 – 14.30	Real-time water quality monitoring using innovative Wireless Sensor Network technology: A pilot study in Lake Nakuru, Kenya	Kipkemboi J <i>et al.</i>	
14.30-14.45	Status of animal forensics in Kenya with focus on wildlife	George E. Otianga Owiti	

Time	Event/Paper	Responsible	Chair
14.45-15.00	Using GPS tracking data to assess elephant movement in relation to risk	Festus Ihwagi <i>et al.</i>	
15.00 – 15.15	No-Take or Regulated-Take?	Said, Hashim Omar <i>et al.</i>	
15.15 -15.30	Q&A		
15.30 – 16.00	Recommendations and Way forward		
16.00 – 16.30	Closing Ceremony		
DAY 3- PARALLEL SESSION 6 – Acacia Hall			
Sub-theme: Emerging alternative wildlife utilization and enterprises			
Time	Event/Paper	Presenter	Chair
14.00 -14.20	Sub-theme Keynote speaker	Dr. Daudi Sumba	Mukonyi Kavaka
14. 20 -14.35	Inventory of wild mushrooms from Central and Nairobi regions in Kenya	Susan Kabacia <i>et al.</i>	
14.35 – 14.50	Nature-based tourism in the era of climate change challenges faced by national parks in arid and semi-arid environments	Kaitano Dube <i>et al.</i>	
14.50 – 15.05	Socio-economic benefits and advantages for households living in the “W” Transboundary Biosphere Reserve in Benin (WTBR): Necessity to improve the eco-development contribution of natural resources	Azizou EL-HADJ ISSA <i>et al.</i>	
15 05 – 15.20	Women’s enterprise and empowerment helps to foster tolerance for elephants	Esther Serem <i>et al.</i>	
15.20 – 15.30	Q&A		
15.30 – 16.00	Recommendations and way forward		
16.00 – 16.30	Closing Ceremony		