

15<sup>TH</sup> BIENNIAL INTERNATIONAL CONFERENCE  
CONFERENCE PROGRAMME

15<sup>TH</sup> BIENNIAL INTERNATIONAL CONFERENCE

**THEME: RESEARCH FOR INNOVATIVE SOLUTIONS IN  
THE 21<sup>ST</sup> CENTURY**

**Physical and Virtual**

**19<sup>TH</sup> – 21<sup>ST</sup> MARCH, 2024  
ARC HOTEL (AGRICULTURE RESOURCE CENTRE),  
EGERTON UNIVERSITY,  
NJORO, KENYA**

<b>Programme Coordinators: Dr. Miriam Charimbu and Prof. Nancy Mungai</b>	
<b>CONFERENCE DAY ONE: TUESDAY 19<sup>TH</sup> MARCH 2024</b>	
8.00am-8.45am	<b>REGISTRATION: Secretariat</b>
<b>VENUE</b>	<b>LORD EGERTON CASTLE</b>
<b>Chair</b>	<b>Prof. Benard Aduda, Deputy Vice-Chancellor (ARE)</b>
<b>Rapporteur</b>	<b>Dr. Ann Barmao, Dept. of Curriculum and Education Mgmt</b>
8.45am	<b>Prayers: Rev. Dr. S. K. Nduati</b> Egerton University Chaplain
8.55am	<b>National and East African Anthem: Mr. Kioko Kivandi</b>
9.00am -9.20am	<b>WELCOMING REMARKS: Prof. Isaac Kibwage</b> Vice Chancellor
9.20am-9.50am	<b>CHIEF GUEST: Dr. Beatrice Inyangala, Principal Secretary,</b> The State Department for Higher Education and Research, Ministry of Education, Kenya
9.50am-10.40am	<b>PANEL DISCUSSION</b> <ul style="list-style-type: none"><li>• <b>Dr. Flora Fedha – Dean,</b> Faculty of Education, Egerton University</li><li>• <b>Mr. Nehemiah Ngetich, Assistant Director,</b> National Biosafety Authority (NBA)</li></ul>
10.40am-11.00am	<b>Plenary Q and A</b>
11.00am	<b>GROUP PHOTO</b> <b>COORDINATORS: Dr. E. Otachi and Mr. M. Kurian</b>

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11.10am HEALTH BREAK		
VENUES	NESSUIT	LORD EGERTON
SUB-THEME	Education for National Development in a Global Context; Literature, Language, Culture, Communication and the Creative Economy	Sustainable and Safe Food Systems, Biotechnology and Climate-Smart Agriculture for Healthier Diets
Chair	Dr. D. Wamukuru	Prof. J. Lelei
Rapporteur	Dr. W. Orora	Dr. M. Oyoo
11.10-11.30am	<b>KEYNOTES SPEAKERS</b>	
	Prof. Robai Werunga - Assistant Professor, Special Education; University of Massachusetts Lowell	Prof. Joshua Ogendo-Professor, Department of Crops, Horticulture and Soils-Egerton University
11.30am-11.15am	<b>Getuno, D. M. &amp; Mukuni, J. S.</b> Challenges of academic communication in a multilingual higher education setting	<b>Nakiganda R.G, Okello, D. &amp; Bett, H. L.</b> Factors influencing the sustainability of university-incubated agri-businesses: A case of stigma failure, personality and motivation factors
11.15am-11.30am	<b>Githinji, K. P.</b> Harnessing adaptive value-based education within the era of the Fourth Industrial Revolution (4IR) in Kenya	<b>Adoyo, G. O., Charimbu, M. K., Kimurto, P. &amp; Thurania, M. D.</b> Antifungal effects of Trichoderma spp. and vermiwash against rice blast fungus (Magnaporthe oryzae)
11.30am-11.45am	<b>Kyule, M., Mutonga, S. &amp; Mungai, N. W.</b> Efficacy of agriculture teaching practice projects in secondary schools: The case of Egerton University tracer study	<b>Kuunya, R., Ocwa, A. and Ragan, P.</b> Soil tests as a tool for monitoring soil variability in crop production: Bibliographic analysis

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<p>11.45am-12.00nn</p>	<p><b>Musa, S. R. D., Muhammad, M. T. and Ibrahim, K. U.</b> The relevance of capital market literacy to the academic staff of Federal College of Education Katsina, Katsina State, Nigeria</p>	<p><b>Njogu, N. W., Kamau, A., Kimurto, P. K., Manyasa, E., Charimbu, M. K. &amp; Towett, B. K</b> Screening for host plant resistance to fall armyworm (<i>Spodoptera frugiperda</i>) in selected sorghum (<i>Sorghum bicolor</i>) breeding lines using detached leaf assay in Kenya</p>
<p>12.00nn-12.15pm</p>	<p><b>Gichuru, N. E.</b> The role of higher education in Kenya in promoting national development in a global context: A Case of Egerton, Kenyatta, Nairobi and Strathmore Universities</p>	<p><b>Ouma, M. A., Ondiek, J. O. &amp; Migwi, P. K.</b> The effects of treatment of <i>prosopis juliflora</i> leaves and pods with bentonite and wood ash on feed intake, milk production and composition in dairy goats</p>
<p>12.15pm-12.30pm</p>	<p><b>Bala, U. &amp; Umar, S.</b> Percieved impact of entrepreneurs education as a tool for job creation, poverty reduction and national development in Nigeria</p>	<p><b>Amayu W. T., Kimurto, P. &amp; Murerwa, P.</b> <b>Effects of selected herbicides for management of weeds in finger millet (<i>Eleusine coracana</i> L.) in Baringo and Kericho counties</b></p>
<p>12.30pm-12.45pm</p>	<p><b>Gichuru, N. E. &amp; Kahangwa, L. G.</b> Correlation between entrepreneurship education and students' entrepreneurial intentions: A case of the University of Dar es Salaam, Tanzania</p>	<p><b>Njogu, N. W., Kamau, A., Kimurto, P. K, Manyasa, E., Charimbu, M.K. &amp; Towett, B. K.</b> Effect of bio and organic fertilizers on soil properties, nutrient uptake and yield of potatoes (<i>Solanum tuberosum</i> L.) In the highlands of Kenya</p>
<p>12.45-1.00pm</p>		<p><b>Chepkemoi, E., Kimurto, P., Kopriva, S. &amp; Mafurah, J.</b> Analysis of nutrient profiling and health benefits of finger millet (<i>Eleusine coracana</i> L.) of selected Finger Millet in Kenya</p>
<p><b>1.00pm-2.00pm LUNCH BREAK</b></p>		

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AFTERNOON BREAKOUT SESSIONS		
VENUES	NESSUIT	LORD EGERTON
<b>SUBTHEME</b>	<b>Education for National Development in a Global Context; Literature, Language, Culture, Communication and the Creative Economy</b>	<b>Sustainable and Safe Food Systems, Biotechnology and Climate-Smart Agriculture for Healthier Diets</b>
<b>Chair</b>	<b>Dr. M. Kyule</b>	<b>Prof. G. Owuor</b>
<b>Rapporteur</b>	<b>Mr. D. Getuno</b>	<b>Dr. J. Mafurah</b>
2.00pm-2.15pm	<b>Kyule, M., Mutonga, S. &amp; Mungai, N. W.</b> Project Based Training as a strategy for equipping Z-Generation work force with transferable agricultural competencies	<b>Lochampa, A., Muasya, T. K., Ilatsia, E. &amp; Ngeno, K.</b> Single Nucleotide Polymorphisms in selected candidate genes and their association with body weight in <i>Gallus Gallus Domesticus</i> ecotypes
2.15pm-2.30pm	<b>Gichuru, N. E.</b> General enterprising tendencies of student teacher at school of education, University of Dar es Salaam, Tanzania	<b>Okeyo, G. O., Charimbu, M. K., Nyaanga, J. G. &amp; Mendes, T.</b> Antibacterial potency of <i>Pelargonium zonale</i> and <i>Psidium guajava</i> against bacterial wilt of potato under greenhouse condition
2.30pm-2.45pm	<b>Ndegwa. A. G., Ngeno J. K. &amp; Ndeke. G. C. W.</b> Effects of simulation teaching technique on co-educational secondary schools students' attitude towards learning physics in Buuri-East Sub-County, Kenya	<b>Ahmed, A. A. A., Mohammed, E. A. H. &amp; Abu-Goukh, A. A.</b> Physico-chemical changes during growth and development of tomato ( <i>Solanum lycopersicum</i> L.) fruits
2.45pm-3.00pm	<b>Sululu J., George V. &amp; Kahimba J.</b> Influence of higher education students loans scheme on career choices among university students in Tanzania	<b>Molapo, M. E., Mshenga, P. &amp; Mathenge, M.</b> Factors influencing the use of digital technologies in the marketing of green leafy vegetables among smallholder farmers in Lari Sub-County, Kenya

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<p>3.00pm-3.15pm</p>	<p><b>Maina, M. E.</b> Reviewing the impact of staffing and resources supply in preparedness of teaching competence-based curriculum (CBC) public junior secondary schools in Nakuru County, Kenya</p>	<p><b>Obare, I., Charimbu, M. K., Mafurah, J., Woyengo, V. W., Okech, R., Abour, A., Mutoni, C. K., Ferguson, M. E., Tripathi L. &amp; Kariuki, S. M.</b> Induction of flowering in cassava brown streak resistant clones using plant growth regulators, pruning and extended photoperiod through night-breaks</p>
<p>3.15pm-3.30pm</p>	<p><b>Umar, Y. A.</b> Effects of teachers' gender on students' academic achievement in physics in some selected senior secondary schools of Katsina Metropolis, Katsina State, Nigeria</p>	<p><b>Ababu, V., Waswa, L. &amp; Ngoda, P.</b> Technological properties of improved pigeon pea varieties in Machakos County</p>
<p>3.30pm-3.45pm</p>	<p><b>Juma, A. A.</b> Production of 21<sup>st</sup> century skilled students in Tanzania: A myth or reality?</p>	<p><b>Bundi, D. N., Nkurumwah, A. O. &amp; Munyua, C. N.</b> Influence of a shared learning platform on participation on potato multiplication among small scale farmers in Kamara Ward</p>
<p>3.45pm-4.00pm</p>	<p><b>Mbagaya C. V. &amp; Ayiro, L. M.</b> Attachment-based parenting intervention for teenage students in Western Kenya: Does the connect parenting program work?</p>	<p><b>Muroki, M. W., Waswa, L. M., Fungo, R., Kabwama, A., Nduwarugira E., Nepomuscene, N. &amp; Mahungu, S. M.</b> The effect of cooking on nutritional characteristics of biofortified common beans (<i>Phaseolus vulgaris</i>) in Burundi</p>
<p>4.00pm-4.15pm</p>	<p><b>Maritim, K. E.</b> The coming of age of open and distance learning in higher education in Kenya and its potential impact on equity</p>	<p><b>Ntabo, A, Muange, E. N. &amp; Okello, D. O.</b> Determinants of utilization of banana value addition among small-scale agripreneurs in Kenya: A case of Kisii County</p>

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4.15pm-4.30pm	<b>Wamukuru, K. D.</b> Influence of education on adoption of technology, innovation and good management practices by poultry farmers in Nakuru County	<b>Njie, M., Bebe O. B. &amp; Orege O. C.</b> Knowledge, attitude and practices of antimicrobials in dairy herds in Nakuru Peri-Urban Area, Kenya
4.30pm-4.45pm	<b>Otieno, M. O., Mareri, A. L. &amp; Khaemba, M. J.</b> Implications of Kenyan newspaper ownership patterns on news selection and the place of environmental and climate change stories	<b>Sonko, L., Bebe B. O. &amp; J. Ondiek</b> Levels of milk yield associated with different cow drying-off practices deployed by Nakuru peri-Urban smallholder dairy farmers
4.45pm-5.00pm	<b>Onyancha, M. R., Chesikaw, L., Obonyo J. &amp; Wambu, C.</b> Effects of political experience on participation of young women in political processes in Nyamira South Sub-County, Kenya	<b>Thiakunu, F., Njehia, B. K., Nguhiu, P. N., M. &amp; Arimi J.</b> Camel herd structure and performance in Isiolo and Marsabit Counties, Kenya
5.00pm-5.15pm	<b>Chepcheng, C. M., Ngure, K. P., Raburu, A. P., Mburugu, B. M., Kung'u, L., Mbutitia, F., Kangethe, M., Gitau, S., Maina, N. G. &amp; Avisa, H.</b> Knowledge, attitude, beliefs and practice of COVID-19 among school learners in Kenya	<b>Nyanjong', O., Ayuya, O. I. &amp; Kalio. A M.</b> Knowledge roles in Agricultural Information Networks: Evidence from dairy information networks in Nakuru County, Kenya
5.15pm-	<b>HEALTH BREAK</b>	

## CONFERENCE DAY TWO: WEDNESDAY 20<sup>TH</sup> MARCH, 2024

8.00am-8.45am	<b>REGISTRATION: Secretariat</b>	
<b>SESSION COORDINATOR: DR. NANCY MATHERI</b>		
<b>Chair</b>	Dr. Erick Otachi	
<b>Rapporteur</b>	Dr. Dorothy Mituki	
8.45am- 8.50am	<b>OPENING PRAYER: Chaplain</b>	
<b>Egerton University School of Performing Arts</b>		
8.50am-9.00am	<b>OPENING REMARKS: Prof. Nancy Mungai</b> Director (Research)	
9.25am- 10.00am	<b>KEYNOTE ADDRESS:</b>	
	<ul style="list-style-type: none"> <li>• Prof. James Njiru, CEO/Director General Kenya Marine and Fisheries Research Institute, Kenya</li> </ul>	
9.00am-9.40am	<b>PANEL DISCUSSION</b>	
	<ul style="list-style-type: none"> <li>• Irmgard Jordan, Biodiversity, Kenya</li> <li>• Dr. Joy Mugambi, Ag County Director Health Admin &amp; Planning for Nakuru County</li> </ul>	
9.40am-10.00am	<b>Plenary Q and A</b>	
10.00am-10.10am	<b>GROUP PHOTO</b>	
	<b>COORDINATORS: Dr. E. Otachi and Mr. M. Kurian</b>	
<b>10.10am-10.40am</b>	<b>HEALTH BREAK</b>	
<b>BREAKOUT SESSIONS</b>		
<b>VENUES</b>	<b>LORD EGERTON</b>	<b>NESSUIT</b>
<b>SUBTHEME</b>	Trends in Science, Technology, Engineering and Mathematics	One Health Approach, Health System Management, Health Financing, Pandemic Preparedness and Surveillance
<b>Chair</b>	Dr. S. Omondi	Dr. S. Obure
<b>Rapporteur</b>	Dr. M. Wamalwa	Dr. R. Omenge
10.40am-10.45am	Kithaka, K. E., Maina, M. C. & Ngoo, L. Investigation of voltage stability of power distribution network in Nairobi Region	Odhiambo, C., Chumbe, S., Makandi, R., Imbusi, G., Sikuku, D., Kipchirchir, D., Wakoli, D. M., Chimwani, E. & Ondigo, B. N. Placental metrics and their relationship with infants birth weight, gestational age and maternal Body Mass Index in Southern Busia, Western Kenya

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10.45am-11.00am	<p><b>Mosiori, C. O.</b> Influence of bulk defect density in CIGS on the efficiency of Copper Indium Gallium Selenide photocell</p>	<p><b>Wanga, L. A., Indieka, A. S. &amp; Matasyoh, J. C.</b> Antidermatophytic Quinolizidine Alkaloids from <i>Calpurnia aurea</i> subsp. <i>aurea</i> (Aiton) Benth</p>
11.00am-11.15am	<p><b>Ekwar, E. P., Muia, W. A. &amp; Nzula, K.</b> Water quality assessment of tap and kiosks water supply systems in Lodwar town in Turkana County, Kenya</p>	<p><b>Kipchirchi D., Wakoli D.M., Daniel S., Odhiambo, C., Chimwani E., Chumbe, S., Makandi R., Bargul J. L. &amp; Ondigo B. N.</b> Specificity and sensitivity of microscopy and Malaria Diagnostic Kit (mRDT First Response™) among pregnant women presenting for delivery in Southern Busia, Western Kenya</p>
11.15am-11.30am	<p><b>Mwalali, J., Oyie, N. &amp; Asiyo M.</b> Effects of antenna orientation on line of sight radio channel for microwave links: A case of Busia County, Kenya and a case of Oromia Region, Ethiopia</p>	<p><b>Abere, M. Z., Nzioki, G. Y., Okeyo O. S., Akinyi, B. W., Supat T. F., Mohamed. A, Wanjiku, T. &amp; Omenge, O. R.</b> Predictors of mortality among patients on maintenance hemodialysis attending Nakuru County Referral and Teaching Hospital</p>
11.30am-11.45am	<p><b>Kibiwot, V. N., Nyaanga, D.M., Njue M. R, &amp; Owino G. O.</b> Optimization of engine performance and emissions fueled by biodiesel blends</p>	<p><b>Wakoli, D.M, Ondigo, B.N, Ochora D.O, Amwoma, J.G., Okoth, R., Opot, B.H., Cheruiyot A.C, Juma, D. &amp; Akala, H.M.</b> Impact of parasite genomic dynamics on the Sensitivity of <i>Plasmodium falciparum</i> Isolates to Piperaquine and other antimalarial drugs</p>
11.45am-12.00nn	<p><b>Erick, O. J., Ong'ondo, O. G. &amp; Otachi, O. E.</b> Efficiency of a stand-alone recirculating aquaculture system in increasing fish production in a lower-middle income country, Kenya</p>	<p><b>Ahmed E. M. A., Mozzon M., Shaikh M. A., Mohammed A. H. E. &amp; Kovács, B.</b> Microelement concentrations in baobab leaves from Sudan: Implications for human nutrition</p>



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<p>12.00nn-12.15pm</p>	<p><b>Tembo, K. J., Kihia M. C., Kitaka K. N., O'Brien G., Hanzen, C., Mbaru E., &amp; Kariuki C.</b> Socio-historical analysis on the nexus between environmental conservation and indigenous education among the Mau Ogiek of Kenya</p>	<p><b>Chumbe, S. A., Chimwani, E., Onguru, D., Wakoli, D. M., Odhiambo, C., Sikuku, W. D., Imbusi, G., Kipchirchir, D. &amp; Ondigo, B. N.</b> Malaria prevalence and determinants of optimal intermittent preventive malaria therapy and insecticide-treated nets among pregnant women in Southern Busia, Kenya</p>
<p>12.15pm-12.30pm</p>	<p><b>Liaka V., Gwena, M. O. &amp; Milewa, D.</b> Site suitability analysis for an antivenom manufacturing laboratory using Geographic Information Systems</p>	<p><b>Mbinya, W.</b> Waterborne disease risk factors and intervention practices: A review</p>
<p>12.30pm-12.45pm</p>	<p><b>Imbusi, G., Wakoli, M. D, Sikuku, D., Kipchirchir, D., Odhiambo, C., Chimwani, E., Chumbe, S. &amp; Makandi R.</b> Overlap in habitat exploitation between catadromous anguillids and higher trophic level sympatric fishes in Kenyan east flowing rivers</p>	<p><b>Wambu C., Oboka, W.A., Waweru, K.M., Anyona, D., Maiyo,S., Nyamongo, I. K., Swardh,K., Bukachi,S., Obonyo, D. and Enns, C</b> Cooperative model in advancing health insurance scheme in Kenya</p>
<p>12.45pm-1.00pm</p>		<p><b>Maranga, A., Kimani, S. &amp; Mwaura' J.</b> Health facility barriers to effective pain management in advanced breast cancer Kisii, Kenya</p>

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1.00pm-2.00pm	LUNCH BREAK	
VENUE	LORD EGERTON	NESSUIT
SUB-THEMES	Sustainable and Safe Food Systems, Biotechnology and Climate-Smart Agriculture for Healthier Diets	Sustainable and Safe Food Systems, Biotechnology and Climate-Smart Agriculture for Healthier Diets
Chair	Prof B. Bebe	Prof. M. Saidi
Rapporteur	Dr. S. Githengu	Dr. B. Oloo
2.00-2.30	KEYNOTE ADDRESS	
	Dr. Susan Wyche, Associate Professor in the Department of Media and Information Michigan State University	
2.30pm-2.45pm	<p><b>Nyabally, K., Okeno, T. O. &amp; Muasya, T. K.</b> Genetic parameters for growth traits of the n'dama cattle in the Gambia</p>	<p><b>Agutu, O. F., Mbuku, S. M., Ondiek, O. J. &amp; Bebe, B. O.</b> Economic viability of using ovsynch and fixed timed artificial insemination protocol in breeding improvement of pastoral herds in the Rangelands</p>
3.00pm-3.15pm	<p><b>Hagenimana, T.</b> Valorizing potato peels wastes into a bioactive compounds peel extract in Rwanda</p>	<p><b>Obara, J., Mulwa, R., Oyoo, M., Karwitha, M., Runo, S. &amp; Garcia-Ruiz, H.</b> Transgenic expression of sugarcane mosaic virus VPg in maize inbred line CML444 confers resistance to maize lethal necrosis disease</p>
3.30pm-3.45pm	<p><b>Mutinda, V. M. King'ori, A. M. &amp; Ambula, M. K.</b> Carcass characteristics and sensory quality of broilers fed on extruded sorghum [<i>Sorghum bicolor</i> (L.) Moench] meal and exogenous phytase-based diets</p>	<p><b>Kasima, S. J., Muyinza, H., Mugonola, B. &amp; Ndyomugenyi, K. E.</b> Uganda's production potential of Black Soldier Fly larvae for use in pig diets: A mini-review</p>
3.45pm-4.00pm	<p><b>Ocwa, A, Illes, A, Bojtor, C, Ssemugenze, B &amp; Harsanyi, E</b> Biostimulating effects of <i>Bacillus simplex</i> on the</p>	<p><b>Katana, J. G., Kilonzo, K. A., Wanyoike, G. W., Okumu, M. &amp; Owuoche, J.O.</b> Evaluation of yield and yield components in selected</p>

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	photochemical yield and grain yield of maize under surface drip irrigation	wheat varieties in Kenya
4.00pm-4.15pm	<b>Ahmed, A. E. M., Mozzon, M., Shaikh, A. M., Mohammed, E. A. H. &amp; Kovács, B.</b> Sustainable and safe food systems, biotechnology and climate-smart agriculture microelement concentrations in baobab leaves from Sudan: Implications for human nutrition	<b>Mohammed, E. A., Tóth, R. B. H., Kardos, G., &amp; Károly, P.</b> Identification of antibiotic-resistant bacteria in commercial fish farms in Hungary
4.15pm-4.30pm	<b>Masai, H. J., Ambula, M. K., King'ori, A. M.</b> Performance of honeybees ( <i>Apis mellifera</i> ) supplemented with soybean, chickpea and ground <i>prosopis juliflora</i> pod meal during dearth period	<b>Lelei, J., Owido, F. O. S. &amp; Uwanyirigira, J.</b> Climbing Bean Performance under different Irrigation Levels and Mulching types in Eastern Rwanda
4.30pm-4.45pm	<b>Muhindo, D., Lelei, J. J., Munyahali, W., Rewald, B., Cizungu, L. &amp; Mwonga, S.</b> The effect of biochar and water management on paddy rice in the Ruzizi plain, Democratic Republic of Congo	<b>Kangogo K.C., Muliro, S. P. &amp; Anyango, O. J.</b> Effect of butternut squash ( <i>Cucurbita moschata</i> ) seeds powder on the chemical and rheological properties of cultured camel milk and yoghurt
4.45pm-5.00pm	<b>Obondo, K. O., Lelei, J. J. &amp; Mwonga, S. M.</b> Quality assessment of Lake Victoria water hyacinth ( <i>Eichhornia crassipes</i> ) compost systems	<b>Opondo, E. O. &amp; Ngigi, M.</b> The role of policy interventions in shaping the four dimensions of food security in select developing countries
5.00pm-	<b>CONFERENCE COCKTAIL IN ARC HOTEL</b> <b>Co-ordinators: Dr. Mary Chepchieg and Dr. Grace Ndeke</b>	

## CONFERENCE DAY THREE: THURSDAY 21<sup>ST</sup> MARCH, 2024

8.00am-8.30am	<b>REGISTRATION: Secretariat</b>	
<b>SESSION COORDINATORS: DR. MILLICENT MOKUA</b>		
<b>VENUE</b>	<b>LORD EGERTON UNIVERSITY</b>	
<b>Chair</b>	<b>Prof. P. Kimurto</b>	
<b>Rapporteur</b>	<b>Dr. M. Omwamba</b>	
8.30 am – 8.40am	<b>OPENING REMARKS: Dr. Miriam Charimbu</b>	
8.40am-9.10am	<b>KEYNOTE SPEAKER:</b> <b>Dr. Ganga Rao Nadigatla, Product Development Breeder;</b> Improvement Center (CIMMYT) Nairobi	
9.00am – 9.30am	<b>PANELIST DISCUSSION:</b> <ul style="list-style-type: none"> <li>• <b>Dr. Bernard Kirui, Lecturer</b> Department of Natural Resources, Egerton University</li> <li>• <b>Ms. Olivia Adhiambo, Climate Policy Director, Africa</b></li> </ul>	
9.30am-9.40am	<b>GROUP PHOTO</b> <b>COORDINATORS: Dr. E. Otachi and Mr. M. Kurian</b>	
<b>9.40am-10.10am</b>	<b>H E A L T H B R E A K</b>	
<b>VENUE</b>	<b>NESSUIT</b>	<b>LORD EGERTON</b>
<b>SUBTHEME</b>	<b>Sustainable and Safe Food Systems, Biotechnology and Climate-Smart Agriculture for Healthier Diets</b>	<b>Environmental, Technical and Policy Approaches in the Context of Climate Change and Adaptation for a Resilient Society</b>
<b>Chair</b>	<b>Prof. P. Mshenga</b>	<b>Prof. G. Ogendi</b>
<b>Rapporteur</b>	<b>Dr P. Migwi</b>	<b>Dr. I. Donde</b>
10.10am–10.25am	<b>Njogu, N. W., Kamau, A., Kimurto, P. K., Manyasa, E., Nyaanga, J. G., Charimbu, M.K. &amp; Towett, B.K.</b> Fall Armyworm ( <i>Spodoptera frugiperda</i> ) infestation and grain yield loss on advanced sorghum genotypes under field conditions in arid and semi-arid areas in Kenya	<b>Ondiko, J. H., Karanja, A. M., Obulinji, H. W. &amp; Ondimu, K. N.</b> The nature of drought and influence on cereal yields in Makueni County, Kenya

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10.25am-10.40am	<b>Lagat, N., Oyoo, M. E., Murerwa, P. &amp; Owuoche, J.</b> Identification of grey leaf spot resistance in F <sub>2</sub> maize ( <i>Zea mays</i> L.) populations using simple sequence repeat markers (SSR)	<b>Mabururu, M. &amp; Knowen, C. B.</b> Harnessing data driven decisions, the ethical dimension of climate change and the future generation
11.00am-11.15am	<b>Illa, A., Cheruiyot, E. K. &amp; Matasyoh, J. C.</b> Striga ( <i>Striga hermonthica</i> (Del.) Benth) tolerance of Maseno EH11 and EH14 hybrid maize varieties	<b>Ronoh, K. T., Kyule, N. M. &amp; Matheka, M. R.</b> Socio-historical analysis on the nexus between environmental conservation and indigenous education among the Mau Ogiek of Kenya
11.15am-11.30am	<b>Koech, G. J., Gathungu, E. &amp; Owuor, G.</b> Perception of smallholder chicken farmers on black soldier fly larvae (BSFL) as a super alternative protein source for chicken in Uasin Gishu County, Kenya	<b>Karanja, A.</b> African indigenous knowledge perspectives on climate change adaptations
11.30am-11.45am	<b>Nyanjong', O., Ayuya, O. I. &amp; Kalio. A M.</b> Knowledge roles in Agricultural Information Networks: Evidence from dairy information networks in Nakuru County, Kenya	<b>Karemeri, M.</b> Uptake of sustainable water management practices: Evidence from star and non-rated hotels in Nakuru County, Kenya

### CLOSING SESSION

<b>VENUE</b>	<b>ARC HOTEL</b>
<b>SESSION COORDINATORS: Prof. Nancy Mungai</b>	
11.45am-12.00nn	<b>Egerton University School Performing Arts</b>
12.00nn-1.00pm	<b>CLOSING REMARKS: Prof. Richard Mulwa,</b> Deputy Vice Chancellor (Administration, Planning and Finance), Egerton University
1.00pm– 1.10pm	<b>VOTE OF THANKS: Dr. Miriam K. Charimbu</b> Chair, Egerton Conference Committee
<b>CLOSING PRAYER: Rev. Dr. S. K. Nduati</b> Egerton University Chaplain	
<b>LUNCH AND DEPARTURES</b>	