

# CHUKA



# UNIVERSITY

Knowledge is Wealth/ AKili ni Mali (*Sapientia Divitia Est*)

## **JOINT FACULTIES OF AGRICULTURE, BUSINESS STUDIES, ENVIRONMENTAL STUDIES AND RESOURCES DEVELOPMENT CONFERENCE**

**HELD ON 12<sup>TH</sup> - 13<sup>TH</sup> MARCH, 2025**



### **THEME**

**Inspiring Research and Policy in Climate Change Adaptation, Agriculture, Business, Environmental and Natural Resources Management for Sustainable Development**

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# CONFERENCE PROGRAMME

JOINT FACULTIES OF AGRICULTURE, BUSINESS STUDIES, ENVIRONMENTAL STUDIES & RESOURCES DEVELOPMENT CONFERENCE

## THEME

“Inspiring Research and Policy in Climate Change Adaptation, Agriculture, Business, Environmental and Natural Resources Management for Sustainable Development”

## DATES

12<sup>th</sup> – 13<sup>th</sup> March, 2025

Venue: Main Campus, Chuka University, Kenya

### PRE CONFERENCE 11<sup>TH</sup> MARCH 2025

#### NURTURING FLOURISHING COMMUNITIES

By Prof Michael Goodman, SODZO International

Session Chair: Prof. C. Kiboro

Rapporteur: Dr. A. Maigallo

### CONFERENCE DAY ONE - 12<sup>TH</sup> MARCH 2025

| Time & Venue                            | Activity                                                                                                                                                                                                                                                                                                                          | Facilitator                                                                                                                                                                                                                                                                                                                                           | Coordinator                                                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08.00-08.30                             | Registration, Seat arrangements, Poster Mounting +<br><b>In Charge:</b> Faculty Admin Assistants B. Kinya, R. Makena and D. Njuguna Coordinated by Ms. Triza Thuita                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |
| 08.30-09.10 am                          | Opening Prayer                                                                                                                                                                                                                                                                                                                    | Bishop Dr. Wabwire Masinde                                                                                                                                                                                                                                                                                                                            | <b><u>Chairman</u></b><br>-Prof I. Nkari<br><br><b><u>Rapporteur</u></b><br>-Prof G. Abucheri                                                                     |
| Venue Rms 305/306                       | -Batch Introductions                                                                                                                                                                                                                                                                                                              | Dr. J. N. Rithaa - Introduction<br>Registrar- (AA)<br>Registrar- (AP)                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |
|                                         | -Conference opening Remarks                                                                                                                                                                                                                                                                                                       | Prof. J. N. Kindiki - DVC (AFPD)<br>Prof. G. M. Nduru - DVC (ARSA)<br>Prof H. M. I’ikiugu - (VC)<br>Hon. Mr. Njeru Njue- CEC Agriculture and Environment-TNC Government.<br>Mr. Collin Marangu - Agriculture Secretary (MOA)- Guest of Honour                                                                                                         |                                                                                                                                                                   |
|                                         |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |
|                                         |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |
| 09.10 – 09: 20 am      Group Photograph |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                   |
| 09.20 - 10.00 am                        | <b>Key Note Speech</b><br><b>Topic:</b><br>1. What is the Future of Agriculture, Business, Environmental and Natural Resources Studies in Higher Education Institutions in Kenya?                                                                                                                                                 | <b><i>Prof Jackson Too</i></b><br>Director Data and Research,<br>Commission of University Education                                                                                                                                                                                                                                                   | <b>Chairman</b><br>-Prof. J. N. Kindiki<br><br><b><u>Rapporteur</u></b><br><u>Prof E. Mwenda</u>                                                                  |
| 10.00-11.00 am                          | <b>Round table Discussion</b><br><b>Topics</b><br>1. To what extent is employment a Factor in the Development of Higher Education and Student Degree Selection in Kenyan Universities<br>2. What should we do? Sector Policy Alignment Options in Agriculture, Business, Environment and Natural Resource Management for Boosting | <b>Panelists</b><br>Prof. Michael Goodman – SODZO<br>Prof. Allan Dixon – (Lets Go Travel)<br>Dr. A. Thuo ASNET (CEO)<br>Prof W. Oyawa– CEO (NACOSTI)<br>Prof M. Gikungu - DG (NMK)<br>Prof E. Kanga - DG (KWS)<br>Mr. A. Lemarkoko – CCF (KFS)<br>Mr. M. B. MAMO – DG (NEMA)<br>Dr. Roseline Owuor - MoE<br>Prof Oluoch KUCCPS<br>CEO Avenue Hospital | <b>Moderator</b><br>-Prof G. M. Nduru<br><br><b>Rapporteur</b><br>-Dr. N. Galo<br>-Dr. J. Mwove<br>-Mr. J. Musyoki<br><br><b>Discussants</b><br>-Prof G. Abucheri |

|                                                          |                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | Employment Creation and Sustainable Development in Kenya                                                                                                                                                                                                                                                                      |                                                                                                                                                                       | Mr. Charles Lusweti - MoA<br>Dr. Gilbert Muthee MoA<br>Ms. Elizabeth Mwendu MoA<br>Ms. Jacinta Mwau EAGC<br>Mr. Ken Mwenda – AVSI                                                                                                                                                                                                                                  |                                                                                                                                                                                                                             | -Prof I Nkari<br>-Dr. J. Rithaa                                                                                                                                                                                                                                                                                                                 |
| 11.00 – 11.20 Questions and Answers on Education Futures |                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             | CU Catering Unit                                                                                                                                                                                                                                                                                                                                |
| 11.20-11.50 pm: Health Break, Tea and Snack              |                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
| SUB-THEMES                                               |                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
| Session                                                  | Climate Change Adaptation, Resilience Building and Carbon Trade                                                                                                                                                                                                                                                               | Agriculture, Food Value and Supply Chains, Security and Safety                                                                                                        | Environment Resource Planning, Development and Waste Management                                                                                                                                                                                                                                                                                                    | Business and Entrepreneurship                                                                                                                                                                                               | Wildlife Tourism and Travel enterprises                                                                                                                                                                                                                                                                                                         |
| Venue                                                    | 305                                                                                                                                                                                                                                                                                                                           | 306                                                                                                                                                                   | G001                                                                                                                                                                                                                                                                                                                                                               | 205                                                                                                                                                                                                                         | 206                                                                                                                                                                                                                                                                                                                                             |
| Chairman                                                 | Prof. G. Gathungu                                                                                                                                                                                                                                                                                                             | Prof. J. Nanua                                                                                                                                                        | Dr. C. Ng’oriaeng’                                                                                                                                                                                                                                                                                                                                                 | Dr. H. Kimathi                                                                                                                                                                                                              | Dr. L. Muriuki                                                                                                                                                                                                                                                                                                                                  |
| Rapporteur                                               | Dr. M. Kathuri                                                                                                                                                                                                                                                                                                                | Dr. P. Kananu                                                                                                                                                         | Dr. B. Soi                                                                                                                                                                                                                                                                                                                                                         | Dr. G. Bitu                                                                                                                                                                                                                 | Mr. J. Mugendi                                                                                                                                                                                                                                                                                                                                  |
| 11.50-12.30                                              | <b>Key Note</b><br>Dr. Gilbert Muthee<br>Ministry of Agriculture<br><br><b>Topic</b><br>Climate Change Adoption, Resilience and Carbon Trade<br><br><b>Key Note</b><br><br>Mr. Charles Rong’aho MoA<br><br>Leveraging funds and Training for Youth Involvement in Agri-food Systems, Agribusiness and Sustainable development | Improving food security by targeting the soil and the crop. A review of the status of organic farming and cassava production in central Kenya.<br><i>Njoroge P. K</i> | <b>Key Note</b><br>Mr. A. Lemarkoko<br>CCF KFS<br>Strengthening Forest Protection and Security for Climate Change Mitigation in Kenya"<br><br><b>Key Note</b><br>Mr. Mamo B Mamo - DG (NEMA)<br><br>Leveraging Contemporary Environmental Management Policies, Challenges and Opportunities: Unemployment as a factor in environmental education and the way to go | Effect of Mobile Banking Transaction Cost on Financial Performance of Commercial Banks Listed at the Nairobi Securities Exchange<br><i>Simiyu, A.W<sup>1</sup>., Nkari, I.M.<sup>2</sup> &amp; Wabwire, J.M<sup>3</sup></i> | <b>Key Note</b><br>Prof E. Kanga<br>DG (KWS)<br>Navigating Contemporary Wildlife Sector Development: Today’s and tomorrow’s Wildlife Management Polic Framework: Challenges and Opportunities<br><br><b>Key Note</b><br>Prof Alex Dixon<br>Navigating the Present, Learning from the Past and Shaping the Future of Tourism and Travel Industry |
|                                                          |                                                                                                                                                                                                                                                                                                                               | Enhancing Biosecurity to Improve Food Security and Safety in East Africa<br><i>Mary Nyambeki Onsario</i>                                                              |                                                                                                                                                                                                                                                                                                                                                                    | Entrepreneurial Orientation, Organization Learning and Performance of Food and Beverage Manufacturing Firms in Kenya<br><i>Thuita Teresa Muthoni</i>                                                                        |                                                                                                                                                                                                                                                                                                                                                 |
| 12.30 – 01.10 pm                                         | Round Table Discussion<br>Panelists<br>Mr. C. Lusweti - MoA<br>Dr. G. Muthee MoA<br>Ms. E. Mwendu MoA<br>Ms. Jacinta Mwau EAGC                                                                                                                                                                                                | Round Table Discussion<br>Panelists                                                                                                                                   | Round Table Discussion<br>Panelists                                                                                                                                                                                                                                                                                                                                | Round Table Discussion<br>Panelists                                                                                                                                                                                         | Round Table Discussion<br>Panelists                                                                                                                                                                                                                                                                                                             |
| 01.10 – 01.30 pm                                         | Questions and Answer                                                                                                                                                                                                                                                                                                          | Questions and Answer                                                                                                                                                  | Questions and Answer                                                                                                                                                                                                                                                                                                                                               | Questions and Answer                                                                                                                                                                                                        | Questions and Answer                                                                                                                                                                                                                                                                                                                            |
| 01.30-02.30pm                                            | Lunch and Health Break + Networking time<br>Catering Unit                                                                                                                                                                                                                                                                     |                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
| Chairman                                                 | Mr. Charles Muthee                                                                                                                                                                                                                                                                                                            | Prof. M. Muraya                                                                                                                                                       | Dr. E. Wambugu                                                                                                                                                                                                                                                                                                                                                     | Prof. C. Kaimenyi                                                                                                                                                                                                           | Mr. L. Kenana                                                                                                                                                                                                                                                                                                                                   |
| Rapporteur                                               | Dr. R. Kahindi                                                                                                                                                                                                                                                                                                                | Dr. P. Kananu                                                                                                                                                         | Dr. A. Ngeretha                                                                                                                                                                                                                                                                                                                                                    | Dr. P. Gituma                                                                                                                                                                                                               | Mr. J. Mugendi                                                                                                                                                                                                                                                                                                                                  |

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| 02.30 - 02.45 pm | Innovative Strategies for Resilient and Sustainable Agriculture<br><i>Mbaka, F. K</i>                                                                                                    | <b>Key Note</b><br>Prof Gerald Narugala University<br><br><b>Topic</b><br>Changes in Agriculture and Land Use Policy since the Swinerton plan (Virtual Presentation) | Leveraging Multimodal Learning Activities to Enhance Environmental Conservation Core-Competencies for Sustainable Agroecosystem Interdependence in Lower Primary Schools in Tharaka Nithi County, Kenya<br><i>Joachim Njagi</i> | <b>Key Note</b><br>Dr. Pauline Cherunya<br><br>Millenium Water Navigating Water Sector Development: Current Policy and Investment Landscape, Future Goals and strategic Pathways | Fostering Human-Nonhuman Primate Coexistence through Monitoring of Black and White Colobus Monkey by Women at Ontulili Riverine Ecosystem, Laikipia County<br><i>Peter Fundi</i>                                                                                                     |
| 02.45 – 03.00 pm | Assessment of Carbon Sequestration and Reflective Properties of High – Albedo C3 and C4 Plant Species: A Laboratory Approach<br><i>Juster Mungiria, Silas Njiru, &amp; Alex Muthengi</i> |                                                                                                                                                                      | Secondary Metabolites as Biomarkers in Breeding for Biotic and Abiotic Stresses in Plants<br><i>Muraya MM, Njihia JN, Simbauni JN, Kinyua WN, Isutsa DK</i>                                                                     |                                                                                                                                                                                  | Integrating Remote Sensing in science-based research and policy for Sustainable Wildlife Management: A case study of Mwea National Reserve’s Elephant populations, habitat degradation and impact on community livelihoods.<br><i>Maina P., Mukeka J., Gakuya F., &amp; Ngoru B.</i> |
| 3.00 - 03.15 pm  | Evaluation Of Zai Pit Farming Technology: A Strategic Approach to Mitigate Climate Change Impact on Agriculture in Tharaka Nithi County<br><i>Miriti Grace Wanja</i>                     | Impact of Food Safety on Kenya’s Economy<br><i>Oloo-Abucheli, G</i>                                                                                                  | Review: Dietary Strategies in Ruminants for Environmental Sustainability<br><i>James Kinyua</i>                                                                                                                                 | Trending Issues on Democratization of Public Markets<br><i>Nyaga Dishon Murimi</i>                                                                                               | Interrelationships of Rainfall, Temperature, Habitats, and the Distributions and Abundance of Elephants and Giraffes in Meru National Park (1994-2024)<br><i>Lynnette Mwari Kiboro, Edwin Kiria Muchomba, Bernard Soi, Jafford Njeru, Alex Mwazo</i>                                 |
| 03.15 - 03.30 pm | Organic Farming: Putting The Tools of resiliency to Climate Change in The Hands of Small-Scale Farmers<br><i>Prof. Gathungu, G.K.</i>                                                    | Policy Dynamics of Diplomatic Governance and Performance of Cross -Border Grains Trade in Eastern Africa Countries<br><i>Jacinta Mwau &amp; Gilbert M. Nduru</i>     | Environmental Resources Planning and Development, Waste Management, and Health Issues: Circular Economy and Its Application in Environmental Planning and Development<br><i>Dr. Patricia Mumbi Wambua, Ph.D.</i>                | Capital Flow and Financial Sustainability of Women Table Banking Groups in Nakuru County, Kenya<br><i>Dr. Gitagia Francis K.</i>                                                 | Spatial Temporal Analysis of Elephants and Giraffes’ Distributions in Response to Changes in Climate and Habitat in Meru National Park, Kenya<br><i>Lynnette Mwari Kiboro Edwin Kiria Muchomba &amp; Bernard Soi</i>                                                                 |
| 03.30 – 03.45 pm | Alliance of Biodiversity International & CIAT And AICCRA                                                                                                                                 | Influence of Nitrogen (compost manure) and Spacing on                                                                                                                | Aquatic and Marine Resources and Blue Economy: Watersheds, Water                                                                                                                                                                | Operational Efficiency, Financial Risk and Shareholders Wealth                                                                                                                   | Protected Areas Planning Framework (PAPF): The Practice,                                                                                                                                                                                                                             |

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|                  | Project (Accelerating Impacts Of CGIAR Climate Research for Africa)<br><i>Alex Nduah Nderi, Liz Ogutu, Dorcas Jalang'o, Esther Nzuki, Boaz Waswa</i>                                      | Nutritional Quality of Wild Simsim ( <i>Sesamum calycinum</i> ) in Kakamega County<br><i>Bunde M.A, Omami E.N, Opile W.R, Were G.</i>                                                           | Tower Management, Conservation, and Assurance of Clean, Safe Water for Sustainable Development<br><i>Dr. Patricia Mumbi Wambua, Ph.D.</i>                                | Commercial Banks Listed at Nairobi Securities Exchange, Kenya<br><i>Mogusu Margaret Wanjiru<sup>1</sup>, Prof Isaac Nkari<sup>2</sup> &amp; Dr. Joseph Masinde<sup>3</sup></i>                                                         | Gaps and Opportunities<br><i>Lilian Ajuoga</i>                                                                                                                                                                                                                                                                                |
| 03.45 – 04.00 pm | Carbon Farming as an Environmental Conservation and Climate Change Mitigation.<br><i>Joel Atsali Amunga</i>                                                                               | Reduction of Postharvest Losses in Bananas For Enhanced Food Security<br><i>Gitau Jane Wanjiku</i>                                                                                              | Rapid Aquatic Biodiversity Assessment for Sustainable Conservation of the Mara River Basin, Kenya<br><i>Steve Omari Ngodhe</i>                                           | Impact of Inflation on Financial Performance of Deposit-Taking Micro Finance Institutions in Kenya<br><i>Nzuve Roselyne Mwende</i>                                                                                                     | Biomass, Vegetation Diversity And Soil Characteristics of Kairini Farm For Potential Wildlife Use in Igamba-Ngombe Sub_County, Tharaka Nithi County<br><i>Jafford Njeru Rithaa, Lucy Mureu, Lemmy Muriuki</i>                                                                                                                 |
| 04.00- 04.15 pm  | Climate-Smart Agriculture and Integrated Water Resources Management in Lower Nyando Floodplains<br><i>Evance Omondi Mbao, Martin Kagiki Njogu, Zipporah Moraa</i>                         | Effect of farm yard manure and DAP application, green gram-sorghum intercrop, mono-cropping and mulching on growth and yield components in Tharaka.<br><i>Kamau, A, Ndukhu, O.H, Nderitu, P</i> | Addressing Widespread Biases on Phytoplankton Research Within the Tropics<br><i>Rael Adhiambo, Paul Kojo Mensah, Emmanuel Acheampong, Charity Musembi, Julius Mwangi</i> | The Moderating Role of Fund Size on the Relationship Between Loss Aversion and Portfolio Financial Performance of Mutual Funds in Kenya<br><i>Wafula Douglas Simiyu<sup>1</sup> &amp; Prof Tibbs Charles Yugi<sup>2</sup></i>          | Integration of artificial intelligence (AI) in camera trapping to improve the monitoring and conservation of the critically endangered mountain bongo ( <i>Tragelaphus eurycerus isaaci</i> ) at the Mount Kenya Wildlife Conservancy.<br><i>Dr. Robert Aruho, Tommy Sandri (phd), Prof. Carl Chalmers &amp; Stuart Nixon</i> |
| 04.15- 04.30 pm  | <i>Gichana, Fabrice Musana, Jane Oteki, Marie, Chantal Mutimawurugo, &amp; Rainer Kurmayer</i>                                                                                            | Heterosis, Heritability and Genetic Variability Among Cowpea Genotypes<br><i>Kinyua Winjoy Nyawira, Muraya Moses Mahugu, &amp; Munyiri Shelmith Wanja.</i>                                      | Marine Resources for tomorrow: A sustainable approach<br><i>Solomon K. Ngugi</i>                                                                                         | Effect of Mobile Banking Transactions Volume on Financial Performance of Commercial Banks Listed at the Nairobi Securities Exchange<br><i>Simiyu, A.W<sup>1</sup>, Prof Nkari, I.M.<sup>2</sup> &amp; Dr. Wabwire, J.M<sup>3</sup></i> | Enhancing Ecotourism Through Sustainable Forest Management in Kenya<br><i>John Njoroge Maina</i>                                                                                                                                                                                                                              |
| 04.30- 04.45 pm  | Carbon credits: The Iceberg in Blue Economy, Case study of Kenyan Blue Economy projects<br><i>Kisilu Mary, Meali Mohammed, Mutune James, Anthony Mbatha, Peter Gakai, Agatha Nthenge,</i> | The Genetic Basis of Water Use Efficiency And Biomass Accumulation In Maize ( <i>Zea mays</i> L.)<br><i>Moses M. Muraya</i>                                                                     | The Consequences of the Scramble for Wetland Exploitation: The Case of Ewaso Narok Swamp in Kenya<br><i>Wilfred M. Osumo, Issak M. Elmi &amp; Josephene Muyai</i>        | Product Differentiation and the Utilization of Formal Financial Services Among Small Holder Farmers<br><i>Dr. Wabwire Joseph Masinde</i>                                                                                               | Development and Restoration of Kenya's Degraded Rangelands in State managed Wildlife Protected Areas: The Practice, Gaps, and Opportunities<br><br><i>M. Lekishon Kenana</i>                                                                                                                                                  |

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|                                                   | <i>Maina Kariuki &amp; James Kairo</i>                                                                                                                                  |                                                                                                                                                                                                        |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                           |
| 04.45-05.00 pm                                    | Sustainable Approaches to Management of Agricultural Activities Amidst Climate Change<br>Samuel Gitonga and Reginald Nalugala                                           | Morphological and Molecular Characterization of Selected Cowpea Accessions and Development of Dual-Purpose Cowpea Hybrid<br><i>Joyce N. Njihia, Moses M. Muraya, Martin K. Njogu</i>                   | Physical Characterization and Site Management Practices of Thika and Nakuru land fails<br><i>Joseph Maina Kariuki, Margaret Bates &amp; Adiel Magana</i>                                             | Merger Restructuring Strategy; An Alternative of Responding to Liquidity Crunch in the Kenyan Sacco Societies<br><i>Dr. Oseno Ben</i>                                                                | Habitat Restoration in Kenya’s Wildlife Protected Areas – A Case of Kenya ‘s National Parks and Reserves<br><i>Jane Franciscah Wamboi</i> |
| 05.00 – 05.15 pm                                  |                                                                                                                                                                         | Goat Manure and Pearl Millet Mulch Influence on Growth and Development of Cowpeas in Tharaka, Kenya<br><i>Gikunda, R, Dr. Ndukhu, O.H, Dr. Kiramana, J</i>                                             | Non-legal Challenges to Valorization of the Urban Waste Value Chain<br><i>Carolyn Nekesa Kundu</i>                                                                                                   | Merger Restructuring Strategy; An Alternative of Responding to Liquidity Crunch in the Kenyan Sacco Societies<br><i>Dr. Oseno Ben</i>                                                                | <u>The Chyulu Hills Redd+ Project:</u> Climate Change Mitigation and Adaption<br><i>Peter Njoroge</i>                                     |
| 05.00 – 05.30 pm                                  |                                                                                                                                                                         | Effect of Farmyard Manure and DAP Application, Green Gram-Sorghum Intercrop, Mono Cropping and Mulching on Growth and Yield Components in Tharaka.<br><i>Kamau, A, Dr. Ndukhu, O.H, Dr. Nderitu, P</i> | Stakeholder Analysis as a Tool For Sustainable Health And Welfare Interventions: A Case of Working Donkeys in Rural And Peri-Urban Areas of Kenya<br><i>Dr. Mary Gichure, Josphat Njenga Gichure</i> | Effect of Market Penetration Strategy on Performance Of Savings and Credit Cooperative Societies (Saccos) in Tharaka Nithi County, Kenya<br><i>Peter Mutinda Dereba * &amp; Prof. Isaac M. Nkari</i> | Enhancing Ecotourism Through Sustainable Forest Management In Kenya<br><i>John Maina Njoroge</i>                                          |
| 05.30 pm                                          | Networking and SAPs                                                                                                                                                     |                                                                                                                                                                                                        |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                           |
| CONFERENCE DAY TWO - 13 <sup>th</sup> March, 2025 |                                                                                                                                                                         |                                                                                                                                                                                                        |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                           |
| 08.00-08.30                                       | Registration, Seat arrangements, Poster Mounting etc.<br><b>In Charge:</b> Faculty Admin Assistants B. Kinya, R. Makena and D. Njuguna Coordinated by Ms. Teresa Thuita |                                                                                                                                                                                                        |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                           |
| 08.30 - 08.45 am                                  | Recap of the Previous Day Events and Discussions                                                                                                                        |                                                                                                                                                                                                        |                                                                                                                                                                                                      |                                                                                                                                                                                                      |                                                                                                                                           |
| Session                                           | Climate Change Adaptation, Resilience Building and Carbon Trade                                                                                                         | Agriculture, Food Value and Supply Chains, Security and Safety                                                                                                                                         | Environment Resource Planning, Development and Waste Management                                                                                                                                      | Policy, Business & Entrepreneurship                                                                                                                                                                  | Hotel and Hospitality Enterprises                                                                                                         |
| Venue                                             | 305                                                                                                                                                                     | 306                                                                                                                                                                                                    | G001                                                                                                                                                                                                 | 205                                                                                                                                                                                                  | 206                                                                                                                                       |
| Chair                                             | Dr. J. Rithaa                                                                                                                                                           | Prof S. Munyiri                                                                                                                                                                                        | Dr. N. Mwenda                                                                                                                                                                                        | Prof. G. Miriti                                                                                                                                                                                      | Dr. L. Mureti                                                                                                                             |
| Rapporteur                                        | MR. S Chabari                                                                                                                                                           | Mr. I. Nyariki                                                                                                                                                                                         | Ms. V. Kavuu                                                                                                                                                                                         | Dr. M. Thogori                                                                                                                                                                                       | Dr. C. Kinyua                                                                                                                             |
| 08.45-09.15 am                                    | <b>Key Note</b><br>Prof. Mary Gikungu<br>DG NMK                                                                                                                         | Genomic Selection Is a Viable Pathway for Genetic Improvement                                                                                                                                          | Valorization of Environmental Enterprises - The Urban Waste Value Chain                                                                                                                              | Effect of Short-Term Capital Flows on the Performance of Macroeconomic Variables in Kenya                                                                                                            | Effect of Hedonic Pricing Strategy on Price of Hospitality Services in Star Rated                                                         |

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|                  | The Role of Museum Studies and Systems in the Conservation and Utilization of Our Cultural and Natural Heritage"                                                                       | Within Developing Livestock Industries<br><i>Kariuki C. M.</i>                                                                                                                                                                          | <i>Carolyn Nekesa Kundo</i>                                                                                                                                                                          | <i>Mugambi Lilian Makena<sup>1</sup> &amp; James Kamau Mwangi<sup>2</sup></i>                                                                                                                                                   | Hotels in Nakuru County.<br>Magothe, J.K1, Muriuki, LM1 Mwirigi R.N2                                                                                                                                                                                                |
|                  |                                                                                                                                                                                        | Goat Manure and Pearl Millet Mulch Influence on Soil Chemical Properties Under Cowpeas in Tharaka, Kenya<br><i>Ndukhu, O. H., Gikunda, R., &amp; Kiramana, J.</i>                                                                       | Characterization of Household Solid Waste in Maragua Town: A Comprehensive Analysis of Waste Composition and Management Practices.<br><i>Vicky N., Wairimu, Joseph M. Kariuki &amp; Evans Mutuma</i> | University Education Indexing Funding; An Evaluation of Need Based Funding Model in Kenya.<br><i>Dr. Oseno Ben</i>                                                                                                              | Investigation in Food Consumption Culture Among Customers in Selected Classified Hotels in The Mount Kenya Region<br><i>Judith Mwikali Makau</i>                                                                                                                    |
| 09.15 – 09.30 am | Enhancing Forest Information Systems for Sustainable Forestry and Climate Resilience<br><i>Tabitha Kimeu</i>                                                                           | Evaluation of Advanced Common Bean ( <i>Phaseolus vulgaris</i> ) Breeding Lines for Multiple Disease Resistance and Yield<br><i>Shivachi Allan, Nthakanio Paul Njiruh, Arunga Edith Esther &amp; Otsyula Reuben</i>                     | Assessment of the Impact of Policy Compliance on Waste Service Quality in Maragua Town<br><i>Vicky N., Wairimu, Joseph M. Kariuki &amp; Evans Mutuma</i>                                             | CEO Dominance and Capital Structure of Listed Firms in Nairobi Securities Exchange. The Moderating Role of Debt Tax Shield.<br><i>Kapkiyai Collins<sup>1</sup>, Philemon Mutwol<sup>2</sup> &amp; Edwing Kimiti<sup>3</sup></i> | Organizational Career Dynamics and Employee Career Development in Star-Rated Hotels in Nairobi City County, Kenya<br><i>Joseph Musyoki</i>                                                                                                                          |
| 09.30- 09.45 am  | Advancing synergies in agriculture, environment, and natural resources for climate change adaptation and sustainable development in informal settlements.<br><i>Liz Makena Murithi</i> | On-Farm Uses of Rice ( <i>Oryza Sativa L.</i> ) By-Products in Mwea Rice Irrigation Scheme, Kenya<br><i>Gideon Kalii Muli, Alex Machio Kange, John Byalebeka</i>                                                                        | Nanocellulose Film as a Novel Proton Exchange Membrane For Application in Microbial Fuel Cell.<br><br><i>Gakai Peter Kingori</i>                                                                     | The Mediating Role of Financial Inclusion in Digital Banking and Financial Sustainability of Commercial Banks in Kenyan<br><i>Dr. Thurania John Kirimi</i>                                                                      | Optimizing Experiential Quality to Drive Positive Post-Consumption Behaviors in Kenyan Theme Parks<br><i>Joshua Ngacha Weru</i>                                                                                                                                     |
| 09.45 – 10.00 am | Cultural heritage Conservation Reinventing Heritage: Indigenous Knowledge, Conservation, and Development for Sustainability<br><i>Alice Mokeira Otwor</i>                              | Effects of Crop Diversification on Selected Food Crops' Productivity Among Smallholder Coffee Farmers in Kirinyaga Central and East Sub Counties, Kenya<br><i>Micheni Pauline Kananu, Gathungu Geofrey Kingori, Dennis K. Muriithi,</i> | Political Patronage and Governance in Environmental and Natural Resource Utilization in Kenya.<br><i>Pius Kipngetch Kemei</i>                                                                        | The Joint Effect of Financial Inclusion and Firm Identity and Financial Sustainability of Commercial Banks in Kenyan<br><i>Dr. Thurania John Kirimi</i>                                                                         | Effect of supply chain collaboration strategies on performance of food and beverage manufacturing firms in Nairobi City County, Kenya<br><i>Dr. Mwove Reuben Musyoka<sup>1</sup>, Dr. Rael Nkatha Mwirigi<sup>2</sup> &amp; Dr. Anne Njoki Ngeretha<sup>3</sup></i> |

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|                                             |                                                                                                                                                                                                                                       | <i>Ngeretha Njoki Ann</i>                                                                                                                                                      |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |                                                                                                                                                   |
| 10.00-10.15 am                              | Identification, Protection and Use of Indigenous and/or Traditional Knowledge in Forest Utilization, Conservation and Protection of Diversity in Kenya<br><i>Benjamin Mutuku Kinyili (PhD)</i>                                        | Potential for Development of Novel Food Products from Azanza garckeana Tree Fruit: A Review<br><i>Johnson Mwove</i>                                                            | Food and Nutrition Deserts: Unraveling Food Markets Geographic Accessibility<br><i>Kinoti Kibetu</i>                                                                                                                                                | The Joint Effect of Financial Inclusion and Firm Identity and Financial Sustainability of Commercial Banks in Kenyan<br><i>Dr. Thurairara John Kiriimi</i>                                                                                                    | Effect of Marketing on Hospitality and Tourism Enterprises in Abuja the Nigeria Federal Capital Territory, (FCT).<br><i>Dr. Koce, Henry Diko</i>  |
| 10.15-10.30 am                              | Transforming Climate Change Challenges into Opportunities: A Bottom-Up Approach to Sustainable Innovation in Kenya<br><i>Evans Njuguna Kiuna</i>                                                                                      | Enhancing Dairy Value Chain: Challenges, Opportunities, and Policy Interventions in Kenya.<br><i>Nyariki K S, Ibrahim &amp; Koech Erick</i>                                    | The Role of the Great Hungarian Plain's Sandy Grasslands in Maintaining Ant Community Diversity<br><i>Zalán Zagyva</i>                                                                                                                              | Procurement Logistics and Operations Management Firm Size, Supply Chain Management Practices and Performance of Food Processing Firms in Nairobi County<br><i>Mayabi Linda Peris<sup>1</sup>, Joseph Masinde<sup>2</sup> &amp; Miriam Thogori<sup>3</sup></i> |                                                                                                                                                   |
| 10.30-11.00 pm: Health Break, Tea and Snack |                                                                                                                                                                                                                                       |                                                                                                                                                                                |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               | CU Catering                                                                                                                                       |
| <b>11.00-11.15 am</b>                       | Effect of Market Penetration Strategy on performance of Savings and Credit Cooperative Societies (SACCOs) in Tharaka Nithi County, Kenya<br><i>Peter M. Dereba</i>                                                                    | Economic Impacts of Push-Pull Technology Adoption on Cereal Productivity and Food Security in Eastern Africa<br><i>Ileri D.M., Maina F.W., Muriithi, B.W., and Murage W.M.</i> | The economic potential of the Drylands of Kenya<br><i>Ng'oriareng Pkiyeny Clement, phd;</i>                                                                                                                                                         | Influence of Tendering Process on Procurement Performance in Public Secondary Schools in Tharaka Nithi County, Kenya<br><i>Mbae Morris Mwenda<sup>1</sup> &amp; Eunice Gacheri Thiankolu</i>                                                                  | <b>Forestry</b><br>Modelling Climate-Induced Rot Vulnerability of Exposed wooden Structures across Kenya<br><i>Kinoti Kibetu, Joseph Muriungi</i> |
| 11.15 – 11.30 am                            | Effect of Sustainable Employee Recruitment and Selection on Service Delivery in Public Health Institutions in Western Kenya Region: The Moderating Role of Leadership Style<br><br><i>Erambo Maurice<sup>1</sup>, Dr. Tsuma Eglay</i> | Role of Silicon (Si) for Sustainable Sorghum Production in Arid and Semi-Arid Regions<br><i>Kallen Kaaria, Joseph Gweyi-Onyango, Catherine Muui</i>                            | Training, Agricultural Extension and Information Sharing Technologies Influence of Devolved Agriculture Extension Services on Maize Yield Among Smallholder Farmers in Chuka Sub-County, Kenya<br><i>Mary Wanjiku Njenga, James Kiriimi Kiriama</i> | Enterprise Resource Planning System and Performance of Manufacturing Firms in Nairobi County, Kenya<br><i>Chepkong'a Julian Jepkemoi</i>                                                                                                                      | The Non-wood forest products and its contribution to the economy of Kenya<br><i>Ng'oriareng Pkiyeny Clement, PhD</i>                              |

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|                         | <i>Tuvulla<sup>2</sup> &amp; Prof. Otuya Willis Ingabo<sup>3</sup></i>                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                 |
| <b>11.30 - 11.45 am</b> | <p>Influence of Self-Awareness on Organizational Performance in Public Universities in Western Region Kenya: The Moderating Role of Organizational Justice</p> <p><i>Luchivisi Priscah Avion, Egessa Robert &amp; Odera Jackline</i></p> | <p>Soil Nematode Communities as Influenced By Npk, Trichoderma Harzianum, and Farm Yard Manure Under Common Beans</p> <p><i>Muraki, M. Omukoko, C, Ndukhu, O. H.</i></p>                                                                                                                                                                                                                           | <p>Artificial Intelligence in Kenya's Livestock Production</p> <p><i>Roseline Kafedha Kahindi</i></p>                                 | <p>Supply Chain Responsiveness, ICT Integration and Performance</p> <p><i>Waweru Lucas</i></p>                                                                                        | <p>Sustainability of Community Conservation and Utilization of Forest Resources: A Case of Aberdare Forest Ecosystem, Kenya</p> <p><i>Wambugu, E</i></p>                        |
| 11.45-12.00 noon        | <p>Effect of Cultural Diversity on Employee Performance in Tharaka Nithi County Government, Kenya.</p> <p><i>Nthiiri Dorcas Kainyu<sup>1</sup>, Catherine K. Kaimenyi<sup>2</sup> &amp; Anne N. Ngeretha<sup>3</sup></i></p>             | <p>Comparative Analysis of The Influence Of Watering Regimes and Crop Establishment Methods on Greenhouse Gas Emissions in Rice Fields: A Case Study in the Mwea Irrigation Scheme, Kenya</p> <p><i>Yvonne Njoki Ndaru, Emily Gichuhi, Evans Mutuma, Joseph Maina Kariuki, Daniel Menge, Jafford Rithaa, Rosemary Murori, Leitner Sonja, Ajay Panchbhai, Pauline Chivenge, Sankalp Bhosale</i></p> | <p>Exploring the Irreplaceable Worth of Agricultural Extension Services with Digital Apps in Kenya</p> <p><i>Oloo-Abucheli, G</i></p> | <p>Effect of Promotional Activities on Sales Growth of Insurance Companies In Kenya</p> <p><i>Kinoti Pluto Nkatha</i></p>                                                             | <p>Utilizing Knowledge, Innovation, and Technology for Conservation: A Case Study on Management of Mount Kenya Forest Ecosystem</p> <p><i>Benjamin Mutuku Kinyili (PhD)</i></p> |
| 12.00-12.15 pm          | <p>Diversity in Work Experience and Employee Performance in Tharaka Nithi County Government, Kenya.</p> <p><i>Nthiiri Dorcas Kainyu, Catherine K. Kaimenyi &amp; . Anne N. Ngeretha<sup>3</sup></i></p>                                  | <p>Determinants of Adoption of Drought Mitigation Strategies among Farming Households in Tharaka South Sub-County, Kenya</p> <p><i>Njeru Moses Kathuri</i></p>                                                                                                                                                                                                                                     | <p>The Bitcoin Identity Crisis.</p> <p><i>Mumbi Jane</i></p>                                                                          | <p>Post Covid 19 Transformative Strategies on Sustainability of Women Owned Beauty and Cosmetics SMES in Upper Mount Kenya Counties, Kenya</p> <p><i>Dr. Kimathi Peter Gituma</i></p> | <p>Kenya Forest Service Strategic Planning and Resource Mobilization</p> <p><i>Nafasi Mfahaya.</i></p>                                                                          |
| 12.15-12.30 pm          | <p>Transforming Secondary Education in Embu County:</p>                                                                                                                                                                                  | <p>Assessment of the Effects of Selective Weed Management</p>                                                                                                                                                                                                                                                                                                                                      | <p>Towards Building a More Gender Inclusive Financial</p>                                                                             | <p>Effect of Locus of Control on Entrepreneurial</p>                                                                                                                                  | <p>Mapping Wildfires in Chyulu Hills, Kenya</p>                                                                                                                                 |

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|                                                    | Merging Schools For Enhanced Performance And Resource Optimization<br><i>Dr. Kobuthi Edward N</i>                                                                                                                    | Practices for the Production of Direct-Seeded Rice (DSR) Yield in Mwea, Kirinyanga County, Kenya.<br><i>Musyoka Sylvia Koki<sup>1</sup>, Rithaa Jafford Njeru, Daniel Menge</i> | Eco-System; Barriers Affecting Fintech Usage Among Women Entrepreneurs in Kenya.<br><i>Goko Tabby &amp; Nelima Mary<sup>2</sup></i>                                                                               | Intentions Among Students Undertaking Entrepreneurial Course in Universities in Meru and Tharaka Nithi Counties.<br><i>Gikunda Kelvin Kimathi &amp; Miriti Gilbert Mugambi</i>                                                             | Using Landsat ETM+ Satellite Images.<br><i>Peter Kamau</i>                                                                                                    |
| 12.30-12.45 pm                                     | Career Development And Retention of Academic Staff In Public Universities in Upper Eastern Region Kenya<br><i>Mbugua Monicah Wahu<sup>1</sup>, Catherine K. Kaimenyi &amp; Anne N. Ngeretha Ngeretha<sup>3</sup></i> | Nature-Based Solutions for Biodiversity Conservation in the Arid and Semi-Arid Areas of Kenya<br><i>Eunice W. Githae, Gilbert M. Nduru</i>                                      | Question and Answer Session<br>let by the Chair                                                                                                                                                                   | Challenges of Marketing University Academic Programmes and Graduate Employment in Kenya<br><i>Jonah N. Kindiki,</i>                                                                                                                        | Analysis of Socio - Economic Drivers of Cattle Grazing and Grass Harvesting in the Mount Kenya West Protected Forest, Kenya<br><i>Maina Paul, Peter Kamau</i> |
| 12.45-01.00 pm                                     | Driving Employee Engagement through Career Growth Practices: Evidence from Public Universities in Western Kenya<br><i>Alaka Edith Shihafu</i>                                                                        | Potential for Organic Tea Farming in Kenya. An exposition of husbandry and certification practices<br><i>Dennis Gatahi</i>                                                      |                                                                                                                                                                                                                   | Digital Advertising and Brand Loyalty Among Confectionery Consumers in Bida Town<br><i>Koce, Henry Diko</i>                                                                                                                                | Question and Answer Session<br>let by the Chair                                                                                                               |
| <b>01.00 – 02.00 pm Lunch break and Networking</b> |                                                                                                                                                                                                                      |                                                                                                                                                                                 |                                                                                                                                                                                                                   |                                                                                                                                                                                                                                            |                                                                                                                                                               |
| Venue                                              | 305                                                                                                                                                                                                                  | 306                                                                                                                                                                             | G001                                                                                                                                                                                                              | 205                                                                                                                                                                                                                                        | 206                                                                                                                                                           |
| Chair                                              | Prof. A. Muguna                                                                                                                                                                                                      | Dr. M. Njogu                                                                                                                                                                    | Dr. B. Soi                                                                                                                                                                                                        | Dr. J. Masinde                                                                                                                                                                                                                             | Dr. E. Mutuma                                                                                                                                                 |
| Rapporteur                                         | Dr. L. Njagi                                                                                                                                                                                                         | Dr. M. Gichure                                                                                                                                                                  | Mr. J. Kihui                                                                                                                                                                                                      | Dr. A. Ngeretha                                                                                                                                                                                                                            | Ms. A. Mukami                                                                                                                                                 |
| 02.00-02.15 pm                                     | A systematic literature review on psychological contract, employee voice and perceived work outcomes among medical staff in the county governments in Kenya.<br><i>Njagi Lucy Karimi</i>                             | Agricultural Technology Solar Drying of African Leafy Vegetables: The Process, Effects and the Benefits - A Review<br><i>Charity N. Muchoki, Michael W. Okoth, Sophie Ngala</i> | Use of Magnetic Field Treatment Reduces Postharvest Degradation of Phenolic And Antioxidant Properties in Arrowroots ( <i>Colocasia esculenta</i> ).<br><i>William W. Ngugi, Jackin N. Nanua, Paul K. Kamweru</i> | Moderating Effect of Product Pricing on the Relationship Between Service Quality and Customer Loyalty of Meru County Government Staff to the Supermarkets in Meru Count,Kenya<br><i>Nyaga Janet Wanja<sup>1</sup> &amp; Isaac M. Nkari</i> | Understanding the Space for Improved SEA Monitoring, the Case of Kenya<br><i>K. O. Ojwando and Wim Douven</i>                                                 |
| 02.15 – 02.30 pm                                   | The Role of Quality Circles in Mitigating Turnover Intentions in Kenyan Public Universities                                                                                                                          | Performance and weed management of upland DSR production under light irrigation                                                                                                 | Cultivar Mixtures: A Sustainable Approach to Onion Thrip Control                                                                                                                                                  | Effect of Corporate Branding on Customer Satisfaction of                                                                                                                                                                                   | Challenges And Disease Management In Tomato Production: A Study of Greenhouse And                                                                             |

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|                  | <i>Muguna Andrew T.</i>                                                                                                                                                                      | condition in Chuka, Tharak-Nithi County, Kenya<br><i>Rithaa J.N, Menge D., Murori R.W, &amp; Winjoy N.K</i>                                                                                                                     | <i>George G. Kihura, Peris W. Nderitu, Moses M. Muraya</i>                                                                                                                                             | Commercial Banks in Kenya<br><i>Dr. Bita Geoffrey Mwikamba</i>                                                                                                        | Open-Field Tomato Farming In Nakuru County, Kenya<br><i>Murithi Diana, Nderitu Peris, Njogu Martin</i>                                                                                                                                                                                                              |
| 02.30-02.45 pm   | Influence Of Principals' Support for Career Progression on Tutors' Levels of Job Commitment in Primary Teachers Training Colleges in Eastern Region Kenya.<br><i>Mbaka Kenkelvin Kimathi</i> | Integrating AI-Driven Solutions and Disaster Management Training: Enhancing Hay Production and Resilience for Pastoralists in Kajiado County, Kenya<br><i>Judy Kimaru</i>                                                       | Assessment Of Pesticide Usage Practices By Kales Farmers In The Upper Nyambene Carchement, Kenya<br><i>Kennedy Chumar</i>                                                                              | Capitalizing on Innovation: Evaluating Market, Production, and Capitalization Challenges in Mobile Ride-Sharing Start-Ups in Nairobi, Kenya<br><i>Mugendi Anne M.</i> | Biological Control of Redspidermites in Tomatoes<br><i>Omukoko, C. A.</i>                                                                                                                                                                                                                                           |
| 02.45 – 03.00 pm | Effect of Employee Performance Targets on Service Delivery<br><i>Nkari, I. M &amp; Muriuki, W. N</i>                                                                                         | Intergenerational Justice: Precautionary Principle as a Guide to Deployment of Agricultural Technologies in Kenya<br><i>Teresia Nyawira,</i>                                                                                    | Impact of Storage Types on Aflatoxin Contamination in Maize from Major Growing Regions in Kenya<br><i>Nicholas M. Jacob, Shem O. Wandiga, David K. Kariuki, Vincent O. Madadi, &amp; Julius Albert</i> | Effect of Service Quality on Customer Satisfaction of Commercial Banks in Kenya<br><i>Dr. Bita Geoffrey Mwikamba</i>                                                  | Inter-cropping as a Sustainable Strategy Against major insect pests of sorghum: Insights from Farmer Demonstrations<br><i>Nderitu, P., Opetu, G. Haggai, N., Mutuma, E., Muraya, M. M., Gathungu, G., G., Kahindi, R., Kosgei, G., Waswa, B., Templer, N., Kinyua, I., Nderi, A., Jalang'o, D. &amp; Nzuki, E.,</i> |
| 03.00 – 03.15 pm | The Future of Agricultural, Environmental, and Natural Science Studies: Innovations, Challenges and Opportunities in a Changing World<br><i>Njeru Moses Kathuri</i>                          | Leveraging GIS - ICT Blended Technologies for Fostering Conservation of Riparian Lands and Natural Resource Management in Kenya.<br><i>Charles N. Lange, Sylvester Maithya, Caroline Muriuki, Ben Opal &amp; Kennedy Otieno</i> | Policy Dynamics of Diplomatic Governance and Performance of Cross -Border Grains Trade in Eastern Africa Countries<br><i>Jacinta Mwau, Gilbert M. Nduru &amp; Kepha Ombui</i>                          | Entrepreneurship Education Programs in Universities and their Outcomes: Critical Review<br><i>Prof. Miriti Gilbert Mugambi</i>                                        | Exploring the potential of high protein composition of mushroom as a functional property for treatment of cardiovascular diseases and its utilization for novel fortification of corn flour<br><i>Muli R.M1, Dalbir S. Sogi1, Orwa J. D2,</i>                                                                       |

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| 03.15 –<br>03.30 pm | Declining<br>Agricultural<br>Productivity: The<br>Extension<br>Employment Policy<br>Factor<br><i>Shelmith Munyiri<br/>&amp; Gilbert M Nduru</i>                                                                                                                                                                                                                                  | Assessment of<br>Forest Recovery in<br>Maasai Mau Forest<br>(2019-2024) Using<br>Earth Observation<br><i>Caroline Wageci<br/>Muriithi</i>                                                                                                                                         |  | Liquidity,<br>Institutional Age and<br>Corporate Leverage<br>Decisions of Listed<br>Manufacturing Firms<br>in Kenya: A Binary<br>Logistic Model<br>Approach<br><i>Dr. Mugenda Nebat<br/>Galo<sup>1</sup> &amp; Mutegei M.<br/>Reuben<sup>2</sup></i> | Use of Magnetic<br>Fields Reduces A-<br>Chaconine, A-<br>Solanine, and Total<br>Glycoalkaloids in<br>Stored Potatoes<br>( <i>Solanum tuberosum</i><br>L.)<br><i>Francis G. Irungu,<br/>Chrysantus M. Tanga,<br/>Francis G. Ndiritu,<br/>Lucy Mwaura, Mukani<br/>Moyo<sup>4</sup> &amp; Symon M.<br/>Mahungu.</i> |
| 03.30 –<br>03.45 pm | Human Induced<br>Disturbance Affects<br>Vegetation<br>Characteristics in<br>Mount Kenya forest<br><i>Dr. Soi, B.C.</i>                                                                                                                                                                                                                                                           | Influence Of<br>Devolution on the<br>Accessibility Of<br>Fertilizers, High-<br>Yielding Seeds,<br>and Extension<br>Services and Its<br>Impact On Maize<br>Yields in Chuka<br>Sub County<br><i>Njenga Mary<br/>Wanjiku,<br/>Kiramama James<br/>Kirimi, Njeru<br/>Moses Kathuri</i> |  | Effect Of Customer<br>Educational Practices<br>On Health Insurance<br>Penetration Among<br>Academic Staff In<br>Public Universities In<br>Kenya<br><i>Motindi Thomas<br/>Mochoge</i>                                                                 |                                                                                                                                                                                                                                                                                                                  |
| 03.45 -04.30 pm     | Plenary Session for Chatting the way forward<br>- Questions and Answers<br>- Lessons<br>- Which way from here?<br>- Declarations                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                      | Coordinated<br>-Prof G. Nduru<br><br>Rapporteur<br>- Prof. I. Nkari<br>-Prof G. Abucheli<br>-Dr. J. N. Rithaa                                                                                                                                                                                                    |
| 4.30 -5.00 pm       | Closing Assembly in Rooms 305/306<br>Closing Remarks <ul style="list-style-type: none"> <li>• A local farmer</li> <li>• Member of County Government</li> <li>• Prof Jonah Kindiki DVC AFD Chuka University</li> <li>• Prof Henry Mutembei VC/ECEO Chuka University</li> <li>• Presentation of Awards and Certificates by Guest of Honour – Prof Mary Gikungu (DG NMK)</li> </ul> |                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                      | <b>Moderator</b><br>Registrar Academics<br>Dr. Samuel Chege                                                                                                                                                                                                                                                      |
| 05.00-05.15 pm:     | Vote of thanks and<br>Closing prayer By Dr. Bejamin Kanga Dean of Students                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                  |
| 05.15pm:            | Guest leave at their own leisure                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                  |