



**KIRINYAGA UNIVERSITY**

**5<sup>TH</sup> ANNUAL INTERNATIONAL VIRTUAL CONFERENCE, 2022**

**PROGRAMME**

**THEME**

**RE-ENGINEERING LEADERSHIP FOR SUSTAINABLE DEVELOPMENT**

**CONFERENCE DATES**

**MARCH 24-25, 2022**

**VENUE**

**VIRTUAL PLATFORM OF KIRINYAGA UNIVERSITY**



**KIRINYAGA UNIVERSITY**

**5<sup>TH</sup> ANNUAL INTERNATIONAL CONFERENCE**

**MARCH 24-25, 2022**

**THEME**

**RE-ENGINEERING LEADERSHIP FOR SUSTAINABLE DEVELOPMENT**

**SUB THEMES**

1. Engineering, Science, Technology & Innovation
2. Biodiversity, Biorisk & Environmental Conservation
3. Natural Resources, Tourism & Climate Change
4. Education, Health, Agriculture & Food Security for Sustainable Development
5. Business, Economics, Entrepreneurship, Industry & Finance
6. Governance, Culture and Social economics for Societal Development.
7. Women, Gender, Children & Youth Empowerment

**Email: [conference2022@kyu.ac.ke](mailto:conference2022@kyu.ac.ke)**

***KyU is ISO 9001:2015 Certified***



**DAY ONE: THURSDAY, MARCH 24, 2022**

**Preliminaries**

- Conference Registration
- Familiarization with conference programme

**8:00am - 5.00pm: Conference Opening /Parallel Sessions/Plenary**

**Coordinator: Dr. Jotham M. Wasike**

**VENUE: VIRTUAL**

| <b>TIME</b>              | <b>ACTIVITY</b>   |
|--------------------------|---|
|                          | <b>Welcoming Remarks-</b> Deputy Vice Chancellor (ASA),<br>Kirinyaga University             |
| <b>8:30am - 8: 40 am</b> | Prof. Charles O. A. Omwandho, Ph.D  |
| <b>8: 40am – 9:00am</b>  | <b>Opening Remarks -</b> Vice Chancellor, Kirinyaga University -<br>Prof. Mary Ndungu, Ph.D |
| <b>9.00am - 1.00pm</b>   | Parallel Sessions & Plenary   |
| <b>1.00pm - 2.00pm</b>   | Lunch/Health Break  |
| <b>2.00pm – 5.00pm</b>   | Parallel Sessions &Plenary  |
| <b>5.00pm</b>            | Announcements/ Closing  |

## MORNING PARALLEL SESSIONS

9.00AM - 1.00PM

|            |                      |
|------------|----------------------|
| SUB-THEME  | HEALTH & WELLNESS    |
| Chair      | Dr. Immaculate Marwa |
| Rapporteur | Mr. Kenny Kamau      |

- 1) **Ambisi, A<sup>1</sup>. & Ngari, D. M<sup>2</sup>.**(<sup>1</sup>Kirinyaga University , <sup>2</sup>Chuka University) .Social Cultural and Economic Factors Affecting the Practice of Secondary Prevention among Patients with Type 2 Diabetes Mellitus at Consolata Nkubu and Meru Level Five Hospital in Meru County.
- 2) **Mburu, S. & Makena, E.** (Kirinyaga University). Vitamin A Immunization Uptake, Awareness and Childhood Infections: A Case Study of Pregnant Women Visiting Antenatal Clinic at Kerugoya Hospital.
- 3) **Njau, S. K<sup>1</sup>., Gakuanye, R.M<sup>2</sup>.** (<sup>1</sup>Kirinyaga University, <sup>2</sup>Karatina Sub-County Hospital). Adherence to World Health Organization Guidelines on Prevention of Surgical Sites Infections among Nurses in Karatina Sub-County Hospital, Kenya.
- 4) **Ngari , M<sup>1</sup>, Munzi, A. M.<sup>2</sup>, Machwara, N<sup>3</sup> , Njogu, W.<sup>4</sup>**(<sup>1</sup>Karatina University,<sup>2</sup>Kirinyaga University, <sup>3</sup>Kenyatta University, <sup>4</sup>University of New South Wales, Australia) Health Facility Factors Influencing Secondary Prevention Practices among Type 2 Diabetes Mellitus Patients in Meru County, Kenya: A Hospital Descriptive Correlational Study
- 5) **Evah, M M<sup>1</sup>, Abednego, O<sup>2</sup>, Innocent, M<sup>3</sup>, Emmah, M<sup>4</sup>, Mary, M<sup>5</sup>.**(<sup>1,5</sup>Kirinyaga University, <sup>2</sup>Agakhan University, <sup>3</sup>Kenyatta National Hospital, <sup>4</sup>University of Nairobi). Extent to which Visual Inspection with Acetic Acid Screening Guidelines are Adhered to in Selected Health Facilities in Embu County Kenya, Before and After Intervention.
- 6) **Nderitu, K.W<sup>1</sup>, Onyonka, E. M<sup>1</sup>, Atunga Nyachieo, A<sup>2</sup>** (<sup>1</sup>University of Nairobi, <sup>2</sup>Institute of Primate Research, Kenya). Solanum nigrum L. Show Anti-Obesity Effects on High-Fat Diet-Fed Sprague Dawley *Rats* in a Randomized Study.

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| <b>SUB-THEME</b>  | <b>ENGINEERING &amp; TECHNOLOGY</b> |
| <b>Chair</b>      | <b>Eng. Moses Mwai</b>              |
| <b>Rapporteur</b> | <b>Ms. Cynthia Ogali</b>            |

- 1) **Murianka, S.O.** (Kirinyaga University). Towards A Framework for Managing Construction Project Labour Productivity in Kenya.
- 2) **Okinyi, D<sup>1</sup>, Ombiro, J<sup>2</sup>, Munji, M<sup>1</sup>, Njoroge, W.** ( <sup>1,3</sup>Kenyatta University, <sup>2</sup>Maasai Mara University). Characterization of SnS / SnO<sub>2</sub>: Sb P-N Junction for Solar Cell Applications.
- 3) **Kinuthia, H<sup>1</sup>., Majale, C<sup>2</sup>, Letema, S<sup>3</sup>** (<sup>1,2,3</sup>Kenyatta University, <sup>1</sup>Kirinyaga University, Kenya). The Behaviour of Land Prices During the Road Planning and Development along (Greater) Eastern Bypass.

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| <b>SUB-THEME</b>  | <b>NATURAL AND PHYSICAL SCIENCES</b> |
| <b>Chair</b>      | <b>Dr. Peter Wanjohi</b>             |
| <b>Rapporteur</b> | <b>Ms. Caroline Muthoni</b>          |

- 1) **Amenya, C. S, Musundi , W. S, & Kirimi , J.** ( Chuka University). Norm- Attainability of Generalized Finite Operators on C\*-Algebra
- 2) **Waithaka, P. N<sup>1</sup>, Gathuru, E. M<sup>2</sup>, Githaga ,B. M<sup>3</sup>, Gacau, S. W.<sup>4</sup>**(<sup>1</sup> Kirinyaga University, <sup>2,3,4</sup>Egerton University). Development of Antiserum for Rapid Identification of *Erwinia* Spp. isolated from Star-of-Bethlehem (*Ornithogalum* Spp.) and its Control Using Actinomycetes.
- 3) **Mutuma, B<sup>1,2\*</sup>, Ndeye ,F. S<sup>1</sup>, Amanda, B<sup>1</sup>, Ndeye, M. N<sup>1</sup>, Santoro, C<sup>3</sup>, Brilloni, A<sup>4</sup>, Poli, F<sup>4</sup>, Soavi, F<sup>4</sup> Manyala, N<sup>1</sup>**(<sup>1</sup> University of Pretoria, South Africa, <sup>2</sup> Kirinyaga University, Kenya <sup>3</sup> University of Manchester, United Kingdom, <sup>4</sup>Alma Mater Studiorum – Universita' di Bologna, Italy) .Porous Carbons Derived from Lignin: Applications for Super capacitors and Oxygen Reduction Electro catalysts in Neutral Media.

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| <b>SUB- THEME</b> | <b>ICT, LIBRARY &amp; INNOVATION</b> |
| <b>Chair</b>      | <b>Dr. James Mwikya</b>              |
| <b>Rapporteur</b> | <b>Mr. Francis Kamau</b>             |

- 1) **Kariuki, P.** (Nyandarua National Polytechnic). Assessing the Efficacy of Cost of Cloud Systems for Institutional Repository at Nyandarua National **Polytechnics, Nyandarua County, Kenya.**
- 2) **Ongili , P. & Wasike , J.**(Kirinyaga University). Establishment of the Currency Detector for the Visually Impaired.
- 3) **Mukoma, C.** (Kenyatta University) Library Programming: An Emerging Trend in Information Dissemination: The Case of Moi University, Nairobi Campus Library.
- 4) **Diki, P. M.** (Meru University of Science and Technology) Factors Influencing Utilization of Library E-Resources in Academic Delivery: The Case of Multimedia University of Kenya.

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| <b>SUB - THEME</b> | <b>AGRICULTURE &amp; ENVIRONMENT</b> |
| <b>Chair</b>       | <b>Dr. Victor Musau</b>              |
| <b>Rapporteur</b>  | <b>Ms. Lucy Kamau</b>                |

- 1) **Kamau, J. W., Munyua, C. N. & Kamuru, S. M.** (Egerton University) Influence of Land Size On Household Food Security in the Tea Zones of Kirinyaga County.
- 2) **Maina, P., & Nzengya, D.** (St Pauls University, Limuru, Kenya). Is there a Mismatch between Perceptions of Climate Change Variability and Adaptation Practices amongst Smallholder Farmers in Mount Kenya Region?
- 3) **Muleke, E. M<sup>1\*</sup>, Yan, W<sup>1\*</sup>, Zhang, W.<sup>1\*</sup>, XU, L<sup>1</sup>, Ying, J<sup>1</sup>, Karanja, B<sup>1</sup>, Zhu, X<sup>2</sup>, Fan, L<sup>1</sup>, Ahmadzai, Z<sup>1</sup>, Liu, L<sup>1</sup>.** ( Nanjing Agricultural University, China, North Dakota State University, USA).Genome-Wide Identification and Expression Profiling of Myb Transcription Factors in Radish (*Raphanus Sativus* L).
- 4) **Mwangi, M<sup>2</sup>W<sup>1</sup>. Muiru, W.M<sup>2</sup>** (<sup>1</sup>Nairobi Technical Training Institute, <sup>2</sup>University of Nairobi). Prevalence of Nematode Genera and Trophic Groups Associated with Tomato Crop in Mwea West Sub-county, Kirinyaga County, Kenya.

- 5) **Chemutai, J, Daudi, F & Ngetich, J.K.** (University of Eldoret). Application of Integrated Water Resources Management Principles in Urban Kenya: The Case of Kapsabet Town.

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| <b>THEME</b>      | <b>BUSINESS &amp; ENTREPRENEURSHIP (A)</b> |
| <b>Chair</b>      | <b>Dr. Hannah Wambugu</b>                  |
| <b>Rapporteur</b> | <b>Mr. Patrick Mwangi</b>                  |

- 1) **Mwendwa, A. M<sup>1</sup>, Atambo, W<sup>2</sup>. Bravo, M<sup>3</sup>. Atikiya, R<sup>4</sup>.** <sup>(1,2,3</sup> Jomo Kenyatta University of Agriculture and Technology, <sup>4</sup>Kenya Institute of Government). Managerial Networking and Competitive Advantage: The Moderating Influence of Competitive Intensity.
- 2) **Mukoba , D. A.** ( Laikipia University) Tender Leaders Behind Bars- Smokescreens of the Self-Identity of Child Inmates in Borstal Institutions of Kenya.
- 3) **Chemwei, B<sup>1</sup>., Koech, S. J<sup>2</sup>.** (<sup>1</sup>Kirinyaga University, <sup>2</sup>Baringo County Assembly, Kenya). Job Satisfaction of School Security Guards in Baringo County.
- 4) **Munyua, C.** (Karatina University). Influence of Access to Government Procurement Opportunities on Performance of Women-Owned Micro Enterprises in Kenya.

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| <b>SUB-THEME</b>  | <b>BUSINESS &amp; ENTREPRENEURSHIP (B)</b> |
| <b>Chair</b>      | <b>Dr. Agnes Mutiso</b>                    |
| <b>Rapporteur</b> | <b>Ms. Joy Sarah</b>                       |

- 1) **Njoroge, D<sup>1</sup>., Sabwami, P<sup>2</sup>.** (<sup>1</sup>Kirinyaga University, <sup>2</sup>Garissa University, Kenya). Human Resource Practices and Organizational Citizenship Behavior Development.
- 2) **Ndungu, W. G<sup>1</sup>, Kiiru, G, <sup>2</sup>, Muchangi, D<sup>3</sup>**(Kirinyaga University, Kenya) Influence of Leadership on the Performance of Faith-Based Hospitals in Kenya.
- 3) **Balogun, O.A.** (Redeemers University, Nigeria). Leadership and Sustainable Development in Africa: Lessons from Traditional Yoruba Society.

- 4) **Mugure, R<sup>1</sup>, <sup>2</sup>Githira, C<sup>2</sup>** (<sup>1</sup>Thika Technical Institute, <sup>2</sup>KCA University, Kenya). Servant Leadership and Organization Performance of Faith-Based Self Help Groups in Anglican Church of Kenya in Kirinyaga County, Kenya.

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| <b>SUB-THEME</b>  | <b>EDUCATION &amp; LEADERSHIP</b> |
| <b>Chair</b>      | <b>Dr. Anne Muiro</b>             |
| <b>Rapporteur</b> | <b>Mr. James Kamau</b>            |

- 1) **Chemwei, B<sup>1</sup>. Cheruiyot, G<sup>2</sup>**. (<sup>1</sup>Kirinyaga University, <sup>2</sup>Teachers Service Commission, Kenya) Effect of Guidance and Counselling Teachers' Professional Qualifications on Implementation of Guidance and Counselling Services in Baringo Central Sub-County, Kenya.
- 2) **Yator, J, M. K. Kibet, M.K J. Marendich, J.** (The Eldoret National Polytechnic, Kenya) The Effectiveness of Blended Learning in Training Agriculture Using Dairy Delta Academy Platform.
- 3) **Juma, R.C. & Onyango, D.** (St. Augustine University of Tanzania). Attitudes of Members of Tanzania Teachers Union (TTU) Towards the Effectiveness of their Union in Improving their Welfare at Dodoma City Council.
- 4) **Mulongu,M, Njoka, J. & Kimosop, M.** ( Karatina University, Kenya). Challenges Affecting the Control of Examination Malpractices: A Case of Public and Private Universities, Kenya.



## AFTERNOON PARALLEL SESSIONS

2.00PM - 5.00PM

|            |                     |
|------------|---------------------|
| SUB-THEME  | HEALTH & WELLNESS   |
| Chair      | Prof . Laura Wangai |
| Rapporteur | Ms. Mercy Njuguna   |

- 1) **Mecha, E<sup>1,2</sup>, Mwaura, A<sup>1</sup>, Maoga, J<sup>1</sup>, Makunja, R<sup>2</sup>, Omwandho, C. A, O<sup>2,3</sup>, Tinneberg, H<sup>1</sup>, Konrad, L<sup>1</sup>.**(<sup>1</sup>Justus-Liebig University, Giessen, Germany, <sup>2</sup>University of Nairobi, <sup>3</sup>Kirinyaga University). Role of Bone Morphogenetic Proteins (BMPs) and TGF- $\beta$  Receptors in the Pathogenesis of Endometriosis.
- 2) **Alwora, A.** (Kirinyaga University, Kenya). Examination of Rarely Disguised Features of Handwriting: Kirinyaga University, Kenya
- 3) **Njeru, S. K, Kagoiyo, S, Webale, M.** ( <sup>1,3</sup>Kirinyaga University, <sup>2</sup>Kirinyaga County Hospital-Kerugoya). Factors Influencing High Child Mortality in Karemo Sub county, Siaya County – Kenya
- 4) **Marwa, N. I<sup>1</sup>. Mwita, B. M<sup>2</sup>.** ( <sup>1</sup>Kirinyaga University,<sup>2</sup>University of Eastern Africa-Baraton). Socio-Cultural Barriers to Comprehensive Healthcare among the Elderly Population in Kenya
- 5) **Marwa, I<sup>1</sup>, Mtshali, G<sup>2</sup>**(<sup>1</sup> Kirinyaga University, <sup>2</sup>University of KwaZulu Natal-South Africa) Challenges in the Management of Chronic Comorbid Conditions (Diabetes and Hypertension) in Kenya

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| SUB-THEME  | ENGINEERING& TECHNOLOGY |
| Chair      | Eng. Emmanuel Mbusi     |
| Rapporteur | Ms. Shirley Musima      |

- 1) **Mutonga, M<sup>1</sup>, Kipkorir , E<sup>2</sup>, Ngetich , W<sup>3</sup>** ( <sup>1</sup> Kirinyaga University, <sup>2</sup>Moi University, <sup>3</sup>University of Eldoret, Kenya).Evaluation of Aqua Crop Model in Wheat Production Under Zero and Conventional Tillage Practices in Laikipia, Kenya.
- 2) **Ogari, A. N. &, Bosire, R. N.** (Kirinyaga University, Kenya). Jatropha Curcas Oil Combustion in Internal Combustion Engines Under Oxy-Fuel Conditions-A Review

- 3) **Wainaina, P. M.<sup>1,2</sup>, Njue, M.R<sup>2</sup>, Owino, G<sup>3</sup>**(<sup>1,2,3</sup> Egerton University , <sup>2</sup>Kirinyaga University, Kenya). Mathematical Models for Predicting Solar Irradiance at a Site for Milk Solar Refrigeration Systems.

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| <b>SUB- THEME</b> | <b>NATURAL AND PHYSICAL SCIENCES</b> |
| <b>Chair</b>      | <b>Dr. Geoffrey Muthoka</b>          |
| <b>Rapporteur</b> | <b>Mr. Peter Muiru</b>               |

- 1) **Zhou, X<sup>1</sup>, Karanja, J. M.<sup>2</sup>, Yang, M<sup>1</sup>, Ming, X. Z.<sup>1, \*</sup>, Liu, K. <sup>1</sup>, Zhou, F.<sup>1, \*</sup>, Dai, Y<sup>3</sup>**(<sup>1</sup>Hubei University of Arts and Science, China, <sup>2</sup>Kirinyaga University, <sup>3</sup>Wuhan University of Technology, Wuhan, China). Spiral Micro-Structured FBG Hydrogen Sensor based on Pd<sub>87</sub>-Ni<sub>13</sub>/Pd<sub>4</sub>-Ag<sub>1</sub> Thin Film and Femtosecond Laser Ablation.
- 2) **Owuor, J, Okelo, B , Owino , J, & Kinyanjui, J.** (Jaramogi Oginga Odinga University of Science and Technology). On Density in Norm-Attainable Classes.
- 3) **Okelo, B.** (Jaramogi Oginga Odinga University of Science and Technology). On Measure Preserving Transformations and Random Interlacements.

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| <b>SUB-THEME</b>  | <b>ICT, LIBRARY &amp; INNOVATION</b> |
| <b>Chair</b>      | <b>Dr. Josephat Karani</b>           |
| <b>Rapporteur</b> | <b>Mr. Simon Gacheru</b>             |

- 1) **Korir , P. & Wasike, J.** ( Kirinyaga University).Web Application Rental System of Farm-Machinery(MRAF)
- 2) **Wasike, J. M<sup>1</sup>., Wabwile, P. N<sup>2</sup>.** (Kirinyaga University, Masinde Muliro University of Science and Technology). Cloud Computing Usability Model for Quality University Education.
- 3) **Ikuomola A. J.** (Olusegun Agagu University of Science and Technology, Nigeria.). Development of a Mobile Application for Community Health Workers.
- 4) **Kerre, D ,& Muchiri, H.** ( Strathmore University). The Need for Improved Computer Vision Based Techniques for Strawberry Fungal Leaf Disease Classification.

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| <b>SUB-THEME</b>  | <b>AGRICULTURE &amp; ENVIRONMENT</b> |
| <b>Chair</b>      | <b>Dr. Brigit Mutuma</b>             |
| <b>Rapporteur</b> | <b>Ms. Lydia Maina</b>               |

- 1) **Maina, S. & Karuri, H.** (University of Embu). Nematode Community Assemblage in Maize Agroecosystems: A Valuable Bio Indicator Tool for Agro-Ecosystem Health.
- 2) **Kiria, E & Onundo, K.** ( Chuka University, Kenya). Sustainable Approaches for Community Involvement in the Conservation and Management of Dryland Forest and their Biodiversity: A Case of Kijenge Forest, Tharaka Nithi County, Kenya.
- 3) **Mbaka F. K, H. O. Ndukhu, H.O. & Oloo-abucheli, G.O<sup>1</sup>**( Chuka University, Kenya). Influence of *Rhizobium* Inoculation and Phosphate Rock Fertilizer Application on Growth and Yield Components of Green Gram in Tharaka-Nithi County, Kenya
- 4) **Karuri, H.** (University of Embu, Kenya). Nematode Soil Food Web in Different Land Use Systems in Embu.

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| <b>SUB-THEME</b>  | <b>BUSINESS &amp; ENTREPRENEURSHIP (A)</b> |
| <b>Chair</b>      | <b>Prof. Pius Odunga</b>                   |
| <b>Rapporteur</b> | <b>Ms. Zipporah Ndirangu</b>               |

- 1) **Kisirkoi, S.** (Maasai Mara University, Kenya) Factors that Promote Engagement in Entrepreneurship among the Youth to Reduce Unemployment in Kenya.
- 2) **Maina, J., & Muigai, R. G.** (Kirinyaga University, Kenya). Credit Risk Management and Loan Performance of Non Deposit Taking Microfinance Institutions in Kenya: A Case Study of Kirinyaga County.
- 3) **Pila, J, Muturi, W,& Olweny, T.** ( Jomo Kenyatta University of Agriculture and Technology, Kenya). Financial Uncertainty Indicators and Financial Performance of Manufacturing Firms in Kenya.
- 4) **Omosa, J, Mwangi, G. Mwangi, C, Muriithi, R.** (Murang'a University of Technology, Kenya).Management Strategy on Job Satisfaction in the Lake Region Economic Bloc County Governments: A Case of Nyamira County, Kenya.

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| <b>SUB-THEME</b>  | <b>ENTREPRENEURSHIP AND STRATEGIC BUSINESS(B)</b> |
| <b>Chair</b>      | <b>Dr. David Njoroge</b>                          |
| <b>Rapporteur</b> | <b>Mr. Douglas Mwirigi</b>                        |

- 1) **Murithi, K. & Waweru, G.** (Kirinyaga University, Kenya) Adjustment of Interest Rates, Demand for Credit and Economic Growth in Kenya.
- 2) **Kinyua, W. J, Kiiru, G, & Njoroge, D** (Kirinyaga University, Kenya). Client Appraisal and Loan Repayment Performance of Revolving Funds in Kenya.
- 3) **Njuguna, W, Kabata, D, & Wambugu, H.** (Kirinyaga University, Kenya). Innovation Orientation and the Performance of Insurance Companies in Kenya.
- 4) **Mweu , T, Kipkirui ,D. K Nyakina ,A. K & Githira, C.** ( KCA University, Kenya) .Does Firm Size Have a Moderating Effect on the Influence of Financial Structure on Financial Performance of Listed Non-Financial Firms in Nairobi Securities Exchanges.

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| <b>SUB-THEME</b>  | <b>EDUCATION &amp; LEADERSHIP</b> |
| <b>Chair</b>      | <b>Dr. Bernard Chemwei</b>        |
| <b>Rapporteur</b> | <b>Mr Dennis Kanyingi</b>         |

- 1) **Mutua, M.** (University of the Free State). Undergraduate E-Learning Programmes in the Health Professions: An Integrative Review of Evaluation Standards in Low- and Middle-Income Countries.
- 2) **Ogeto, P. M. & Mokua P.M.** (Laikipia University, Kenya, Kisii University, Kenya). Curbing Diarrhoea to Tame School Absenteeism Among Pupils in Nairobi Slums: Opportunities Stemming from Hand Washing as a Covid-19 Prevention Measure.
- 3) **Muriuki, J. N.** (University of Nairobi, Kenya). An Investigation into the Challenges that Schools will be Facing in Implementing the Ministry of Health Guidelines on Covid 19 in Nakuru North Sub -County Secondary Schools.

## DAY TWO: FRIDAY, MARCH 25, 2022

- Registration
- Announcements

Coordinator: **Dr. Agnes N. Mutiso**

### VENUE: VIRTUAL

|                          |  |
|--------------------------|--|
| <b>8.30am - 10.30 am</b> | <b>Morning Parallel Sessions</b>   |
| <b>10.30am - 11.00am</b> | Health Break   |
| <b>11.00am- 1.00pm</b>   | Mid-Morning Parallel Sessions  |
| <b>1.00pm - 2.00pm</b>   | Health/Lunch Break   |
| <b>2.00pm - 4.30pm</b>   | Afternoon Parallel Sessions  |
| <b>4.30pm -4.35pm</b>    | Closing Remarks from Deputy Vice Chancellor,<br>Kirinyaga University<br><b>Prof. Charles O. Omwandho, Ph.D</b> |
| <b>4.35pm - 4.40pm</b>   | Closing Remarks<br>Vice Chancellor, Kirinyaga University,<br><b>Prof. Mary W. Ndungu, PhD</b>                  |
| <b>4.40pm - 4.45pm</b>   | Announcements / Issuance of Certificates.  |
| <b>4.45pm - 4.50pm</b>   | Vote of thanks by Representative of Participants   |
| <b>4.50pm - 5.00pm</b>   | Vote of thanks from KyU  |
| <b>5.00pm</b>            | <b>End of Conference</b>   |

## MORNING PARALLEL SESSIONS

9.00 AM – 10.30AM

|            |                   |
|------------|-------------------|
| SUB-THEME  | HEALTH & WELLNESS |
| Chair      | Dr. Mary Murigi   |
| Rapporteur | Ms. Evah Maina    |

- 1) **Chabari, K. S. & Ogolla, F.** ( Chuka University, Kenya ). Evaluation of Bacteriological Quality Status of Shallow Wells in Tharaka Nithi County, Kenya.
- 2) **Barasa, S<sup>1</sup>, Miriti, A<sup>1</sup>, Silas, P<sup>1</sup>, Murigi, M<sup>2</sup>, Munyalo, B<sup>3</sup>, Maithya, R<sup>3</sup>, Jebet, J<sup>4</sup>, Shikuku, S.<sup>5</sup>**( <sup>1</sup>Kenya Medical Training College, <sup>2</sup>Kirinyaga University, <sup>3</sup>Amref International University, <sup>4</sup>University of Nairobi, Kenya, <sup>5</sup>Liverpool School of Tropical Medicine). Partograph Completion: A Comparison Between Faith-Based Mission Hospitals and County Public Teaching and Referral Hospitals in Upper Eastern, Kenya.
- 3) **Chepkoech, J , & Oduori, D.O.** ( Maasai Mara University, Kenya). A 2-Year Retrospective Survey of Dog Bite Cases Reported at Narok County Referral Hospital, Kenya.
- 4) **Ogechi, B, Ngetich, J. & Kiplagat, A.** ( University of Eldoret, Kenya). Influence of Anthropogenic Activities on Nyangongo Wetland Ecosystem in Nyaribari Chache Sub-County, Kisii County, Kenya.
- 5) **Maoga, J<sup>1</sup>, Muhammad, A. R<sup>1</sup>, Mecha, E <sup>1,3</sup>, Mwaura, A<sup>1</sup>, Omwandho, C, O.A <sup>3,4</sup>, Scheiner-Bobis, G <sup>2</sup> Konrad, L<sup>1</sup>**( <sup>1,2</sup>Justus-Liebig University, Giessen, Germany, <sup>3</sup>University of Nairobi, <sup>4</sup>Kirinyaga University, Kenya).Membrane-Type 1 Matrix Metalloproteinase (MT1-MMP, MMP14) in Endocervical Mucus of Patients with and Without Endometriosis.

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| SUB-THEME  | ENGINEERING& TECHNOLOGY  |
| Chair      | Eng. Senteu Ole Murianka |
| Rapporteur | Eng. Lorrian Mbaabu      |

- 1) **Gachoki, N, Musima, S, L.Mbaabu, L , & Mwai, M.** ( Kirinyaga University, Kenya). A Review of Early Interventions for Creation of Interest in STEM Education.

- 2) **Mwai, M<sup>1</sup>, Gichane, M<sup>2</sup>, Thimo, L<sup>3</sup>, Mwai, A<sup>4</sup> Sirengo, H<sup>5</sup>** (<sup>3</sup>Kirinyaga University, <sup>2,4</sup>Dedan Kimathi University, <sup>5</sup>Starehe Girls Center.) Design and Fabrication of a Solar Powered Touchless Temperature Monitoring and Hand Sanitizing Device.

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| <b>SUB-THEME</b>  | <b>NATURAL AND PHYSICAL SCIENCES</b> |
| <b>Chair</b>      | <b>Dr. Joseph Muna</b>               |
| <b>Rapporteur</b> | <b>Ms. Caroline Kimotho</b>          |

- 1) **Asamba, S. O <sup>\*</sup>, Obogi, R <sup>\*</sup> Okelo, B.**(<sup>1</sup>Kisii University, <sup>2</sup>Jaramogi Oginga Odinga University of Science and Technology) .Characterization Of Lower Semi-Continuous Functions in  $L^P$ -Spaces.
- 2) **Waithaka, P. N.<sup>1</sup>, Gathura, E. M<sup>2</sup>, Githaiga, B. M<sup>3</sup> , Onkoba, K. M<sup>4</sup>.** (<sup>1</sup>Kirinyaga University, <sup>2,3,4</sup>Egerton University). Antimicrobial Activity of Mushroom (*Agaricus Bisporus*) and Fungi (*Trametes Gibbosa*) Extracts from Mushrooms and Fungi of Egerton Main Campus, Njoro Kenya.
- 3) **Oyekan, E.A. (Olusegun** Agagu University of Science and Technology, Nigeria). Subclasses of Analytic Functions Defined by Al-Oboudi Differential Operator Associated with Pascal Distribution Series.

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| <b>SUB-THEME</b>  | <b>ICT, LIBRARY AND INNOVATION</b> |
| <b>Chair</b>      | <b>Dr. Ephantus Mwangi</b>         |
| <b>Rapporteur</b> | <b>Mr Simon Gacheru</b>            |

- 1) **Kamau , F<sup>1,2</sup>, Wasike, J<sup>2</sup>.** ( <sup>1,2</sup>Jomo Kenyatta University of Science and Technology, <sup>2</sup>Kirinyaga University) Named Entity Recognition Using Memory Based Learning Algorithms.
- 2) **Kamau, G<sup>1</sup>., Ndinda, M<sup>2</sup>.** ( <sup>1</sup>Chuka University, <sup>2</sup>Egerton University). Of Virtual Libraries In-Service Delivery in Universities in Kenya.
- 3) **Kimani, H<sup>1</sup>, Minishi-Majanja, M.K** (University of South Africa). Use of Mobile Telecommunication Technologies in Access, Use, Transfer and Exchange of Agricultural Information among Small Scale Farmers in Rural Kenya, Ol'jorok Sub-County, Nyandarua County.

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| SUB-THEME  | AGRICULTURE & ENVIRONMENT |
| Chair      | Dr. Mariah Onditi         |
| Rapporteur | Ms Beatrice Wairimu       |

- 1) Biwott, C. , G.C, Kiplagat, A& Ngetich, J.K. ( University of Eldoret) .**Addressing Challenges of Rural Water Supply in the Era of Climate Change in Kenya; The case of Kapseret Sub County, Uasin Gishu County.**
- 2) Biwott, G.C, \_Kiplagat, A\_& Ngetich, J.K. (University of Eldoret). Factors Influencing Stormwater Utilization in Kapseret Sub-County, Uasin Gishu County, Kenya.
- 3) **Mwandiki, M,C, Gichumbi, J.M, Kiruki,S, & Ogolla, F.O**<sup>4</sup>( Chuka University, Kenya). Impact of Karatina Sewer Stabilization Ponds on Biological and Physico-Chemical Properties of Water along River Ragati in Nyeri County, Kenya.
- 4) **Nyangoto, D.M. B.** (Nairobi Technical Training Institute). Ecohydrologic Effects of Shade Trees Spacing on Soil Characteristics Affecting Tea Yields: A Case Study of Moniere Estate in Kipkebe of Sotik Sub-County.
- 5) **Odhiambo, F, Aminer, T., Okelo, B & Manyala, J.** ( Jaramogi Oginga Odinga University of Science and Technology). Dynamical Analysis of Four-Species Food Web System with Prey Refuge and Holling Type III Functional Response.

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|------------|---------------------------------|
| SUB-THEME  | BUSINESS & ENTREPRENEURSHIP (A) |
| Chair      | Dr. Dennis Muchangi             |
| Rapporteur | Dr. Susan Nkanata               |

- 1) **Onsongo, E. N.** (Kisii University, Kenya). Coaching Influences Service Delivery as a Key Management Development Practice in Public Universities in Kenya.
- 2) **Gitu, P. M.** (Laikipia University, Kenya). Discursive Construction of Masculinities in Gender Based Violence (GBV) in Relation to Socio-Economic Status of Women in Kenya.
- 3) **Karuri, E.** (Kenyatta University, Kenya). Reward Management Practices and Employee Performance in Commercial Banks in Kenya.
- 4) **Maina, E.** (Kirinyaga University). Effect of Employee Resourcing on Employee's Commitment in the Tele-Communication Industry in Kenya.



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| <b>SUB-THEME</b>  | <b>BUSINESS &amp; ENTREPRENEURSHIP(B)</b> |
| <b>Chair</b>      | <b>Dr. Gitau Muigai</b>                   |
| <b>Rapporteur</b> | <b>Ms. Zipporah Ndirangu</b>              |

- 1) **Ndungu, W. G<sup>1</sup>, Kiiru, G. <sup>2</sup>, Muchangi, D<sup>3</sup>**(Kirinyaga University, Kenya). Influence of Market Structure on the Performance of Faith-Based Hospitals in Kenya.
- 2) **Kabata, D.** (Kirinyaga University, Kenya). Social Influence and Perceived Enjoyment: Predicting the Use of Mobile Payment Services Kenya.
- 3) **Kiruja, E.** (Technical University of Kenya). Measuring Human Resource Development Function for Sustainable Development.
- 4) **Muigai, R. G<sup>1</sup>, Wamweya, E<sup>2</sup>.** (<sup>1</sup>Kirinyaga University, <sup>2</sup>Jomo Kenyatta University of Agriculture & Technology). Credit Referencing and Loan Repayment in Kenya.

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| <b>SUB-THEME</b>  | <b>EDUCATION &amp; LEADERSHIP</b> |
| <b>Chair</b>      | <b>Dr Bernard Chemwei</b>         |
| <b>Rapporteur</b> | <b>Ms. Grace Chomba</b>           |

- 1) **Lawal, R. F. & Dada, F. H.** (Federal College of Education (Technical, Nigeria). Mathematics Education and Sustainable Development in Nigeria: A Systematic Review.
- 2) **Gitonga, H., Karamana, K. T & Gichohi, P. M** (Kenya Methodist University, Kenya) The Relationship between the Teachers' Conduct and the Teachers' Performance in Public Primary Schools in Igembe North Sub-County, Meru County.
- 3) **Ndunda, H. K<sup>1</sup>, Lilechi, V. W<sup>2</sup>** (<sup>1</sup>Kirinyaga University, <sup>2</sup>Kenyatta university, Kenya) Technology Enhanced Design Education Through the Use of Extended Reality Learning Environments.
- 4) **Muhia, P. M.** (Laikipia University, Kenya). Balancing Natural Powers, Synthetic Powers for Societal Development: Female versus Male Powers interplay in a Man of the People, When the Sun Goes Down and Song of Malaya.

## MID MORNING PARALLEL SESSIONS

10.30AM – 1.00PM

|            |                   |
|------------|-------------------|
| SUB-THEME  | HEALTH & WELLNESS |
| Chair      | Dr. David Nderu   |
| Rapporteur | Ms Angela Alwora  |

- 1) **Mureithi, M<sup>1</sup>, K'Odhiambo, M. O<sup>2</sup>, Mureithi, J<sup>3</sup>, Murigi, M<sup>4</sup>** (<sup>1,2,3</sup>Kenyatta University, <sup>4</sup>Kirinyaga University). Determinants of Prostate Cancer Screening Uptake Among Men Aged 40 Years and Above in Ruiru Sub County, Kenya.
- 2) **Adongo, F. A., Aminer, T., Okelo, B. & Onyango, B.** (Jaramogi Oginga Odinga University of Science and Technology). Mathematical Modelling of Covid-19 and Diabetes Comorbidity Under Vaccination.
- 3) **Kitungulu, N<sup>1,2</sup>, Guyah, B<sup>1</sup>, Webale, M<sup>3</sup>, Shaviya, N<sup>4</sup>, Machani, M<sup>5</sup>, Mulama, D<sup>2</sup>, Ndenga, B<sup>5</sup>, Tarus, J<sup>2</sup>**(<sup>1</sup>Maseno University, <sup>2</sup>Masinde Muliro University of Science and Technology, Department of Biological Sciences. <sup>3</sup>Kirinyaga University, <sup>4</sup>Masinde Muliro University of Science and Technology). Resistance of *Anopheles gambiae* sensu lato to Pirimiphos-methyl Insecticide in Kakamega County, Highlands of Western Kenya.
- 4) **Kamau, S.M.** (Kirinyaga University). Curriculum Related Challenges for KRCHN – BSN Nurse at Level 5 Hospital.

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| SUB-THEME  | ENGINEERING & TECHNOLOGY |
| Chair      | Eng. Rodgers Bosire      |
| Rapporteur | Eng. Vincent Ngeno       |

- 1) **Mbusi, E.** (Kirinyaga University). Trend of Construction Output Growth in Kenya:1977-2021.
- 2) **Oyier, I. L., Nyagol, M. & Odaya, A.** (Jaramogi Oginga Odinga University of Science & Technology). An Assessment of the Influence of Reverse Logistics Practices on Solid Waste Disposal Management in Kisumu Town, Kenya.
- 3) **Odhiambo, S, Mwasi, B & Ngetich, J.** (University of Eldoret). Analysis of Urban Sprawl Patterns around Eldoret Town Using Object Based Image Analysis.

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| <b>SUB-THEME</b>  | <b>NATURAL &amp; PHYSICAL SCIENCES</b> |
| <b>Chair</b>      | <b>Dr Paul Waithaka</b>                |
| <b>Rapporteur</b> | <b>Mr Nathan Musembi</b>               |

- 1) **Oburu, J, Nyakinda, J\*, Were, J,& Oduor, B.** (Jaramogi Oginga Odinga University of Science and Technology). On (P,Q)-Binomial Extension of Cox-Ross-Rubinstein Model for Optimization of Portfolio with Noisy Observations in Life Insurance.
- 2) **Maina, E.** (Kirinyaga University). A Novel Covalently Bonded Amino-Silica for Capillary Ion Chromatography.
- 3) **Mailu, S.** (Machakos University). Nanocomposites for Determination of Pollutants in Waste Water.

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| <b>SUB- THEME</b> | <b>ICT, LIBRARY &amp; INNOVATION</b> |
| <b>Chair</b>      | <b>Dr. Agatha Wagutu</b>             |
| <b>Rapporteur</b> | <b>Mr. Harrison Karani</b>           |

- 1) **Mwikya, J<sup>1</sup> , Karani, J<sup>2</sup>, Obura, J<sup>3</sup>.**(<sup>1,2</sup> Kirinyaga University, <sup>2</sup>Bomet University College, Kenya). Secure Management of Encryption Keys for Small and Medium Enterprises in Africa: A Comparative Study.
- 2) **Kirori, Z. & Ileri, E.** (Jomo Kenyatta University of Agriculture and Technology, Kenya) COVID-19 Forecast using Machine Learning Techniques.
- 3) **Maina, S.** (Kirinyaga University, Kenya) Legislative and Policy Regime on Information & Knowledge Sharing through indigenous Knowledge in Kenya: A Review of Literature.

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| <b>SUB-THEME</b>  | <b>AGRICULTURE &amp; ENVIRONMENT</b> |
| <b>Chair</b>      | <b>Dr. Dickson Kinyua</b>            |
| <b>Rapporteur</b> | <b>Ms Beatrice Wairimu</b>           |

- 1) **Kipkemboi, J. K.<sup>1</sup>, Manene F. M.<sup>2</sup>, Rotich, S. K.<sup>3</sup>, Nyamu J.K.<sup>4</sup> Omengo, F.<sup>5</sup>**(<sup>1</sup>Kaimosi University College, <sup>2</sup>Egerton University, <sup>3</sup>Moi University, <sup>4</sup>Kirinyaga University, <sup>5</sup> Kenya Wildlife Service.) Real-Time Monitoring of Water Quality in Lake Nakuru Using Telemetry
- 2) **Ogallo, F<sup>1\*</sup>, Onyango, B<sup>2</sup>, Muraya, M<sup>3</sup>**( <sup>1</sup>Chuka University, <sup>2,3</sup>Jaramogi Oginga Odinga University of Science and Technology, Kenya).Assessment of Tomato Farming Strategies, Diseases Knowledge and Management Practices Among Farmers’ in Kirinyaga County, Kenya.
- 3) **Ogolla, O. F<sup>1</sup>, Muraya M. M<sup>2</sup>, Onyango O. B<sup>3</sup>**( <sup>1</sup>Chuka University <sup>2,3</sup>Jaramogi Oginga Odinga University of Science and Technology , Kenya). Occurrence of Fungal Foliar Diseases of Tomato in Different Agro-Ecological Zones of Kirinyaga County, Kenya.
- 4) **Maingi, S, Ndiiri, J. & Mati, B.** (Jomo Kenyatta University of Agriculture and Technology, Kenya).Estimation of Crop Water Requirements for Garden Pea, Sweet Pepper and Tomato using the CropWAT Model in Maragua Watershed, Murang’a County, Kenya.

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| <b>SUB-THEME</b>  | <b>BUSINESS &amp;ENTREPRENEURSHIP (A)</b> |
| <b>Chair</b>      | <b>Dr. David Kabata</b>                   |
| <b>Rapporteur</b> | <b>Mr. Douglas Mwirigi</b>                |

- 1) **Orangi, A. K. & Chomba, G.** (Kirinyaga University, Kenya). Influence of Pricing as Market Segmentation Strategy on Performance of Fashion Merchandising Shops in Kenya.
- 2) **Okumu, A. B., Olweny, T<sup>1</sup>, Muturi, W.** ( Jomo Kenyatta University of Agriculture and Technology, Kenya) .Nexus between Automation, Firm size and Performance of Initial Public Offering stocks at the Nairobi Securities Exchange in Kenya.
- 3) **Irer, H. K. & Njuki, E.** ( Chuka University, Kenya).Politeness Strategies Used by Kenya’s Members of National Assembly.

- 4) **Odunga, P<sup>1</sup> , Odunga, P<sup>2</sup>**( <sup>1</sup>Kirinyaga University, <sup>2</sup>Moi University, Kenya)  
Impact of Tourism on the Economy of Rwanda: Social Accounting Matrix (SAM) Analysis.

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| <b>SUB- THEME</b> | <b>BUSINESS &amp;ENTREPRENEURSHIP (B)</b> |
| <b>Chair</b>      | <b>Dr Stephen Kamau</b>                   |
| <b>Rappertour</b> | <b>Ms Violet Njeru</b>                    |

- 1) **Kinoti K.** (Chuka University, Kenya) Implications of Physical Accessibility to Markets on Food and Nutrition Security in Agro Pastoral Tharaka Sub region, Kenya.
- 2) **Kimemia, M.** (Kirinyaga University, Kenya) Impact of Music on Fashion. A Case of Apparel Fashion Trends among East African Artists from 2010 To-Date.
- 3) **Gachichio, M.** (Kirinyaga University, Kenya). Resources for Superior Organization Performance Case of Kirinyaga Technical Institute (KTI).
- 4) **Maina, M. W. & Mutiso, A. N.** (Kirinyaga University). Inflation Rate and Interest Rate Spread of Commercial Banks in Kenya.

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| <b>SUB-THEME</b>  | <b>EDUCATION &amp; LEADERSHIP</b> |
| <b>Chair</b>      | <b>Dr. Grace Kiiru</b>            |
| <b>Rapporteur</b> | <b>Mr Dennis Kanyingi</b>         |

- 1) **Mugambi, N.D<sup>1</sup> , Munzi, M. A<sup>2</sup> , Teresia, M.W<sup>3</sup>** (<sup>1,2</sup>Chuka University, <sup>3</sup>University of New South Wales, Australia). Social Cultural and Economic Factors Affecting the Practice of Secondary. Prevention among Patients with Type 2 Diabetes Mellitus at Consolata Nkubu and Meru Level Five Hospital in Meru County.
- 2) **Kamau, J. K<sup>1</sup>., Maina, M<sup>2</sup>.** (<sup>1</sup>Kenya Medical Training College, <sup>2</sup>Kirinyaga University).The Influence of Information, Education and Communication on the Success of Human Rights Education School Programmes in Kenya.
- 3) **Muiru, A, W.** (Kirinyaga University). An Assessment of Personality Traits on the Prevalence of Suicide Ideation and Attempts in Public Secondary Schools in Murang'a County, Kenya.

## AFTERNOON PARALLEL SESSIONS

2.00PM - 5.00PM

|            |                     |
|------------|---------------------|
| SUB-THEME  | HEALTH & WELLNESS   |
| Chair      | Dr. Samuel Mburu    |
| Rapporteur | Mr. Geoffrey Obondi |

- 1) **Njeru, K, Kagoiyo, S., Gachangi, J. N, Muthui, G.**(<sup>1</sup>Kirinyaga University, <sup>2</sup>Kirinyaga County Referral Hospital, <sup>3,4</sup>Jomo Kenyatta University of Agriculture and Technology).Prevalence of Wasting in Children Under Five Years Admitted at the Pediatric Ward in Kitale County Referral Hospital.
- 2) **Njeru, S.K, Adoka, S.O. & Onguru, D.** (Jaramogi Oginga Odinga University of Science and Technology). Evaluation of the Determinants of Clinical Medicine Training Outcomes in Western Kenya.
- 3) **Mwaura, A.N <sup>1</sup>, Scheiner-Bobis, G<sup>2</sup>, Maoga, J<sup>1</sup>, Mecha, E<sup>3</sup>, Omwandho, C.O.A <sup>3,4</sup>, Riaz, M.A <sup>1</sup>, Lutz Konrad, L<sup>1</sup>**(<sup>1,2</sup>Justus-Liebig University, Giessen, Germany <sup>1</sup>, University of Nairobi, Kenya<sup>3</sup> , Kirinyaga University, Kenya<sup>4</sup> ). Analysis of ADAM12 in the Endometrium and ADAM12 levels in Serum and Endocervical Mucus of Endometriosis
- 4) **Obondi, G. O.** (Kirinyaga University, Kenya). Thin Layer Chromatographic Analysis of Commonly Abused Cough-Cold Medications.

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| SUB-THEME  | NATURAL AND PHYSICAL SCIENCES |
| Chair      | Dr. Joseph Esekoni            |
| Rapporteur | Mr. Nathan Musembi            |

- 1) **Oyaro, A. & Omolo, R.** (Jaramogi Oginga Odinga University of Science and Technology). Arnold's Factorization Algorithm for Semi-Primes and the Crypt-analysis of RSA Cryptosystem.
- 2) **Musili, M.F, Okelo, B, Ongati, O, & Magwanga, R.** (Jaramogi Oginga Odinga University of Science and Technology). Mathematical Modelling of Transmission and Re-Infection Dynamics for Covid-19 under Optimal Control Strategies.

- 3) **Onyango, O., A Okelo , B & Omollo, R.** (Jaramogi Oginga Odinga University of Science & Technology). Characterization of Topological Points in Big Data Sets of Hausdorff Spaces.

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| <b>SUB-THEME</b>  | <b>ICT, LIBRARY AND INFORMATION</b> |
| <b>Chair</b>      | <b>Dr. James Mwikya</b>             |
| <b>Rapporteur</b> | <b>Ms. Irene Mwangi</b>             |

- 1) **Kamau, G. & Wasike , J.** ( Chuka University, Kirinyaga University, Kenya). Assessment of Total Quality Management on Performance of Academic Library at Chuka University.
- 2) <sup>1</sup>**Ngereki, A. M.** <sup>2</sup>**Ngorobi G, W** (Chuka University, Kirinyaga University, Kenya). Digital Technology in Managing Continuity for Sustainable Growth in Institutions of Higher Learning.
- 3) **Mukoma, C<sup>1</sup>. Mwai-Okeyo. E<sup>2</sup>, Kiplang'at, J<sup>3</sup>.** (Moi University, Kenyatta University, Africa International University, Kenya). Re-Engineering of Information Services through Partnerships and Collaborations in University Libraries: The Case of Moi University, Nairobi Campus Library and American Embassy, Kenya.
- 4) **Kamau, F., & Wasike, J.** ( Kirinyaga University, Kenya). Adoption of Big Data: A Review.

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| <b>SUB-THEME</b>  | <b>ENTREPRENEURSHIP AND STRATEGIC BUSINESS (A)</b> |
| <b>Chair</b>      | <b>Dr. Evelyne Maina</b>                           |
| <b>Rapporteur</b> | <b>Mr Kenneth Mureithi</b>                         |

- 1) **Mwangi, G\*, & Gitau, R.** (Kirinyaga University, Kenya) Custom Duty Incentives and Financial Performance of Manufacturing Firms in Kenya.
- 2) **Mosoti, D.** (Chuka County). Influence of Government Intervention Policy on Prison Population in Kenya.
- 3) **Mwirigi, D, & Mutiso, A.** (Kirinyaga University, Kenya). The Effect of Longer Account Payable Days and Shorter Account Receivable Days on The Profitability of Small Retail Businesses in Kirinyaga County.

- 4) **Kairu, R , Wanjiku, C.V, Gloria, C, Mwangi, P, & Githira, C.** (University of Embu). Effect of Exchange Rates on Trading Volume, Opening Prices and Closing Prices in Nairobi Securities Exchanges.
- 5) **Omosa, J., Mwangi, G. Mwangi, C. & Muriithi, R.** (Murang'a University of Technology, Kenya). Assessing the Influence of Talent Management Strategy on Job Satisfaction in the Lake Region Economic Bloc County Governments: A Case of Nyamira County, Kenya.

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| <b>SUB-THEME</b>  | <b>BUSINESS &amp; ENTREPRENEURSHIP (B)</b> |
| <b>Chair</b>      | <b>Dr. Mark Waita</b>                      |
| <b>Rapporteur</b> | <b>Mr. Gabriel Waweru</b>                  |

- 1) **<sup>1</sup>Omare, M, Kambaga, D<sup>2</sup>.** (<sup>1</sup>Kisii University, <sup>2</sup>Technical University of Kenya, Kenya). Sustainable Performance Framework Indicators for Domestic Tourism in Kenya: Case of Nakuru, Nairobi and Mombasa Towns.
- 2) **Murei, R\*, Kiprop, Virate Rotich, D.** ( Eldoret National Polytechnic, Kenya). Influence of Needs Identification on Implementation of Cash Transfer Programmes in Kapsoya Ward, Uasin Gishu County.
- 3) **Kamau, S.** (Kirinyaga University, Kenya). Evaluation of Training Programmes in Business Organizations.
- 4) **Gathitu, C. W<sup>1</sup>, Mukulu, E<sup>2</sup> , Kihoro. J<sup>2</sup>.** ( <sup>1,2</sup>Jomo Kenyatta University of Agriculture and Technology (JKUAT), <sup>2</sup>Cooperative University of College of Kenya, Kenya). Influence of Youth Enterprise Development Fund Sponsored Entrepreneurship Skills Training on the Growth of Entrepreneurial Youth Group Based Enterprises in Nairobi County, Kenya.

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| <b>SUB-THEME</b>  | <b>EDUCATION &amp; LEADERSHIP</b> |
| <b>Chair</b>      | <b>Dr. Sophia Njeru</b>           |
| <b>Rapporteur</b> | <b>Mr. James Kamau</b>            |

- 1) **Ngumbi, E<sup>1</sup>., Wasike, J.M<sup>2</sup>.** (<sup>1</sup>Catholic University of Eastern Africa, <sup>2</sup>Kirinyaga University, Kenya). COVID – 19: Educational Setbacks, Lessons Learned and Way Forward for Kenya.



- 2) **Muiru, A.** (Kirinyaga University, Kenya). Influence of Parental Ownership Strategies on the Management of Academic Performance in Secondary Schools in Imenti South Sub-County, Meru County, Kenya.
- 3) **Koross, B. T.** (Turkana University College, Kenya). Influence of Resources used in Teaching English Speech Functional Writing Skills among Secondary School Learners in West Pokot County.
- 4) **Amadi, O, J.** ( Maasai Mara University, Kenya). The Susceptibility of Pupils to Sexual Abuse in Emesa Sub-Location, Kisii County-Kenya

**END OF CONFERENCE, 2022**





Kirinyaga University

5<sup>th</sup> Annual International Conference, 2022

**CONFERENCE PROGRAMME**

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