

**SCHOOL OF PURE AND APPLIED SCIENCES- KU**

**46<sup>TH</sup> POSTGRADUATE SEMINAR PROGRAMME – MASTERS & PH.D GRADUANDS**

**THEME: “SCALING EDUCATION & RESEARCH FOR SUSTAINABLE DEVELOPMENT”**

**VENUE: VIRTUALLY**

**SEMINAR FACILITATOR: DR. EVANS CHANGAMU**

**DATE: 17<sup>TH</sup> NOVEMBER 2023**

**THE SEMINAR LINK: <https://meet.google.com/qrn-gpya-azm?hs=224>**

**PROGRAMME:**

<b>TIME:</b>	8.00 – 9.00AM:	<b>REGISTRATION</b>
	9.00 – 9.05AM:	<b>WELCOME ADDRESS – DR. EUNICE KAIRU (CHAIRMAN, SBPS)</b>
	9.05 – 9.15AM:	<b>OPENING REMARKS – EXECUTIVE. DEAN, SPAS – PROF. MICHAEL M. GICHERU</b>
	9.15 – 9.25AM:	<b>KEYNOTE ADDRESS – FROM AN INVITED GUEST</b>

CHAIRMAN: DR. EUNICE KAIRU

**ALL STUDENTS STUDENTS**

RAPORTEUR: DR. FIDELIS MAGERO

S/NO	TIME	NAME & REG. NO.	DEPARTMENT	TITLE OF THESIS	DEGREE	SUPERVISOR
1.	9.25 – 9.35am	Kavuluko Jacinta Muthini I84/25624/2013	Biochemistry, Microbiology and Biotechnology	Genome Wide Association Studies of <i>Striga hermonthica</i> (Del.) Benth. Resistance in the Sorghum Diversity Panel.	Ph.D. (Biotechnology)	Prof. Steven Runo Dr. Mark Wamalwa Dr. Titus Magomere
2.	9.35 – 9.45am	Jane Mbithe Muinde I84/39079/2016	Biochemistry, Microbiology and Biotechnology	DNA Profiling of the Kenyan Population using Globalfiler® and Y-Filer® Plus STR Markers for Forensic, Geographical, and Ethno-Linguistic Structure Analysis.	Ph.D. (Biotechnology)	Prof. Richard Oduor Prof. Marion Mutugi Dr. Joseph Kimani
3.	9.45-9.55am	Daniel Maitethia Memeu I84/32278/2015	Physics	Development of a Photothermal Induced Optical Scattering Modulation Technique and its Application in Malaria Diagnosis.	Ph.D. (Physics)	Dr. Abdallah M. Sarroney Prof. Ciira Wa Maina
4.	9.55-10.05am	Ngorwe Evans Nyaenya I84/28935	Chemistry	Hydroxyapatite Nano-fertilizers Effects on Absorption and Uptake of Cadmium and Lead, Nutrients Release and Growth Performance of selected crops	Ph.D. (Chemistry)	Prof. Hudson Nyambaka Dr. Mildred P. Nawiri Prof. Jane Murungi
5.	10.05-10.15am	Kihika Ruth Muthoni I84/39349/2017	Chemistry	Identification and mechanisms of allelochemicals regulating Root-knot Nematode Parasitism	Ph.D (Chemistry)	Dr. Margaret M. Nga'ng'a Dr. David P. Tchouassi Prof. Baldwin Torto

**10.15 – 10.30 am****CHAIRMAN: DR. MARY MAKOKHA****HEALTH BREAK****RAPPORTEUR: DR. GEORGE OMWENGA****GROUP 1**

6.	10.30 – 10.40am	Chemulwo Monica Jemeli E83/CTY/37663/2016	Computing & Information Science	Moderating effect of organizational culture on relationship between emotional intelligence and service quality among librarians within Nairobi City County, Kenya.	Ph.D  (Information Science)	Dr. Kamau Maina  Dr. Daniel Muthee
7.	10.40-10.50 am	Bukar Inuwa E83F/37864/2017	Computing & information Science	Adherence to reference service standards for service delivery in selected federal University libraries in Northeastern Nigeria	Ph.D  (Information Science)	Dr. Grace Kimani  Dr. Wekalao Namande
8.	10.50 – 11.00am	Muresia Wafula Benedict I56/CE/21439/ 2010	Biochemistry, Microbiology and Biotechnology	Therapeutic and Toxicological Effects of Phytoextracts with Cutaneous Wound Healing Potential in Bungoma and Kakamega Counties of Kenya.	M.Sc.  (Biotechnology)	Prof. Eliud N.M. Njagi  Prof. Joseph J. N. Ngeranwa
9.	11.00 – 11.10am	Mary Nyambura Njoroge I56/CE/26022/ 2018	Plant Sciences	Impact of Salinity on Growth, Physiological Traits and Yield of Butternut Squash ( <i>Cucurbita moschata</i> L. Mellonia) Varieties in Mwea, Kenya.	M.Sc.  (Plant Physiology and Biochemistry)	Dr. Moses P. Hungu Gathaara  Dr. Raphael K. Wanjogu
10.	11.10 – 11.20am	Aberi Ruth Moraa I56/CTY/PT/ 37196/2017	Biochemistry, Microbiology and Biotechnology	Magnitude and Geographical Distribution of Nontuberculous Mycobacteria Species among Presumptive Pulmonary Tuberculosis Patients in Selected Sites in Kenya.	M.Sc.  (Medical Microbiology)	Dr. Anthony Kebira  Dr. Willie Githui
11.	11.20 – 11.30am	Maria Divinah Mogaka I56/27320/2018	Zoological Sciences	Evaluation of Therapeutic Potential of Selected Herbal Plants from Baringo County, Kenya, against <i>Leishmania Donovanii</i> in <i>Balb/ c Mice</i>	M.Sc.  (Applied Parasitology)	Dr. Joshua Mutiso  Prof. Michael Gicheru
12.	11.30 – 11.40am	Muganda Osbourne Waswa I56/CTY/PT/37689/2 016	BMB	In Vitro synchronization and conversion of Somatic Embryo of <i>Coffea arabica</i> L F1 hybrid Ruiru (II) Kenya	M.Sc.  (Biotechnology)	Dr. George Omwenga  Prof. Peter K. Njenga

## GROUP 2.

**CHAIRPERSON: DR. HUDSON NYAMBAKA**

**RAPPORTEUR: DR. FREDRICK MALOBA**

13.	10.30 – 10.40am	Nyambura James Ndiritu I84/32246/2015	Chemistry	Removal of Phenol and p-Nitrophenol from contaminated water using raw and polydiallyldimethylammonium Chloride modified fruit wastes”	Ph.D (Chemistry)	Prof. Jane I. Murungi Prof. Ruth N. Wanjau
14.	10.40 - 10.50 am	Ogola Philip Einstein I84/39447/2016	Biochemistry, Microbiology and Biotechnology	Cancer Risks Associated with Exposure to Background Ionizing Radiation in Human Habitat, Soil, and Food in Kenya.	Ph.D. <i>(Medical Biochemistry)</i>	Prof. Richard Okoth Oduor Dr. Mathew Piero Ngugi Dr. Siphila Mumenya Wanjiku
15.	10.50 – 11.00am	Maisa Thadius Nyamweya I56/CE/28515/2015	Chemistry	Physico Chemical Parameters, Levels of Selected Heavy Metals and Nutrients During Wet and Dry seasons along River Ewaso Narok, Laikipia County, Kenya	M.Sc. (Chemistry)	Dr. Alphonse Wanyonyi Dr. Silvanus Shisia
16.	11.00 – 11.10am	Langatt Winnie Chepkirui I56/30746/2015	BMB	Effects of antibiotics overuse and misappropriation on Gut Microbes induced inflammation and oxidative stress in a murine model	M.Sc. (Biochemistry)	Dr. George Isanda Omwenga Prof. Alfred Isaac Orina
17.	11.10 – 11.20am	Chabari Benson Mwiti I56/37371/2017	BMB	Prediction of protein –protein interactions between striga (striga hermonthica (Del.) Benth) and Sorghum (Sorghum bicolor (L) Moench).	M.Sc. (Biotechnology)	Prof. Steven M. Runo Dr. Mark Wamalwa
18.	11.20 – 11.30am	Yvonne Wairimu Wabai I56/27219/2018	BMB	In viro Anxiolytic and Teratogenic effects of the Aqueous Extracts of Carissa Spinarium and azadirachta	M.Sc. (Biochemistry)	Dr. John K. Mwonjoria Prof. Joseph N. Ngeranwa

19.	11.30 – 11.40am	Kaburia Martin Buuri I56/CE/34304/2016	Zoological Sciences	Aflatoxin Detection Rate Using Urine Immunoassay And Compliance Level With Control Strategies Among Makueni Residents Attending The County Hospital	M.Sc.  (Immunology)	Prof. Michael Gicheru  Dr. Joshua Mutiso
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