



Knowledge is Wealth (*Sapientia divitia est*)

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PROGRAMME

Fourth International Research Conference

Theme: “Harnessing Environmental Conservation and Renewable Energy Innovations for Sustainable Development”

Dates: 18th to 20th October, 2017. **Venue:** Main Campus, Chuka University, Kenya

Day One: 18 th October, 2017			
TIME	EVENT		
8.00-8.30 am	Registration, Seat arrangement, Poster mounting, Meals, Stationery, Projectors, Time management: <i>Winfred Mutwiri, Martha Mugambi, Jotham Ainea, Daniel Njuguna, Marion Muturi, Daniel Wandera</i>		
VENUE	ROOM 206		
ACTIVITY	OPENING CEREMONY		
Chair	<i>Prof. Dorcas K. Isutsa, DVC (Academic, Research & Student Affairs)</i>		
Rapporteur	<i>Dr. Eunice W. Githae</i>		
9.00-9.30 am	Opening Prayer: <i>Dr. Grace Gatune Muriithi</i> Opening Remarks: <i>Prof. S. M. Kagwanja, DVC (Administration, Finance, Planning & Dev't)</i>		
9.30-10.00 am	Official Opening Speech: <i>Prof. Erastus N. Njoka, Vice-Chancellor</i>		
10.00-10.30 am	Lead Paper: “The Role of the National Research Fund in Relation to Harnessing Environmental Conservation and Renewable Energy Innovations for Sustainable Development” by <i>Dr. David Ngigi, Senior Science Secretary, NaCoSTI</i>		
10.30-11.30 am	Chief Guest’s Keynote Speech: “The Role of Technical and Vocational Training in Relation to Harnessing Environmental Conservation and Renewable Energy Innovations for Sustainable Development” <i>Dr. Dinah Mwinzi, Principal Secretary, State Department of Vocational and Technical Training, Ministry of Education</i>		
GROUP PHOTO SESSION			
11.30-12.00 pm	<i>Tea Break + Exhibition + Networking</i>	<i>Tea Break + Exhibition + Networking</i>	<i>Tea Break + Exhibition + Networking</i>
VENUE	ROOM 206	ROOM 205	ROOM 203
SUBTHEME	STRENGTHENING AGRICULTURE TO CONSERVE THE ENVIRONMENT AND DEVELOP RENEWABLE ENERGY	LINKING ARTS, HUMANITIES AND SOCIAL SCIENCES TO ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT	APPLICATION OF SCIENCE, ENGINEERING & TECHNOLOGY IN ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT
Chair	<i>Prof. Levi M. Musalia</i>	<i>Prof. Colomba K. Muriungi</i>	<i>Prof. Adiel M. Magana</i>
Rapporteur	<i>Dr. Moses M. Muraya</i>	<i>Mr. Dickson K. Kibetu</i>	<i>Ms. Virginia Kavuu</i>
12.00-12.10 am	Prevalence of Tick-Borne Hemoparasites in Kirubia Slaughterhouse: Tharaka Nithi County, Kenya. <i>Gichure, Mary W.</i>	Speech Acts Features of Kimuthambi Utterances Used for Emphasis <i>Ileri, Humphrey Kirimi</i>	Metric Equivalence as an Almost Similarity Property <i>Gitonga, Eric M., Musundi, Sammy W. and Nzimbi, Benard M.</i>
12.10-12.20 am	Marketability of Value-Added Pumpkin (<i>Cucurbita moschata</i> Duch.) Fruit in Selected Kenyan Markets. <i>Kiharason, J.W. & Isutsa, D.K.</i>	Misinterpretations in English-Kimuthambi Church Sermons <i>Kirimi, Ileri Humphrey, Muriungi Peter Kinyua, and Waita Z. Njogu</i>	Household Water Treatment Using Moringa Oleifera <i>Owino, Brian O., Emojong', Martha and Kavuu, Virginia</i>
12.20-12.30 am	Indigenous Traditional Knowledge Determining Cultivation and Utilization of Pumpkins in Kenya <i>Kiramana, J.K. and Isutsa, D.K.</i>	Role of Language in Personal Financial Education: Deconstructing the Myths about Money and Wealth Creation. <i>B. W. Nyaigoti, & Kevogo A.U.</i>	Impact of Bush Encroachment by <i>Euclea divinorum</i> on Wildlife Species Diversity and Composition in Ol Pejeta Conservancy in Laikipia, Kenya. <i>Kavwele, C.M., Kimanzi J. K. & Mwangi J. K.</i>
12.30-12.40 pm	Identification and Quantification of Phyto-Components Present During Development of Coffee Somatic Embryos <i>In Vitro</i> <i>Mayoli, R. N., Isutsa D. K., Nyende, A. B., Mweu, C. M., Lubabali, A. H.</i>	Exploring the Kenyan Artist’s Persuasion Strategies in Environmental Awareness Agenda. <i>Ogal George., Moses Gatambuki Gathigia., Karuri Titus Macharia & Niabo Victor</i>	Diversity of Harmful Cyanobacteria in the Economic Stimulus Programme (ESP) Fish Ponds in Tharaka-Nithi County <i>Kibaara, D.I., Magana, A.M., Githae, E.W. and Onyango, B.O.</i>
12.40-12.50 pm	Addressing Food Security through Water Harvesting Technologies, Drought Tolerant Crops and Drip Irrigation in Semi-Arid Tana-River County. <i>Muli, M.B. and Muniu, F.K.</i>	Assessing the Potential of Sentinel-2 and Pleiades Data for the Detection of <i>Prosopis</i> and <i>Vachellia</i> spp. in Kenya. <i>Wai-Tim Ng, P. Rima, K. Einzmann, M. Immitzer, C. Atzberger & S. Eckert</i>	Porphyrin-sensitized Fibre Optic for Detection of Volatile Organic Vapours <i>Kirwa, Abraham Tuwei and Njogu, Samson</i>
12.50-01.00 pm	Reactions	Reactions	Reactions
1.00pm-2.00pm	<i>Tea Break + Exhibition</i>	<i>Tea Break + Exhibition</i>	<i>Tea Break + Exhibition</i>



VENUE	ROOM 206	ROOM 205	ROOM 203
SUBTHEME	STRENGTHENING AGRICULTURE TO CONSERVE THE ENVIRONMENT AND DEVELOP RENEWABLE ENERGY	LINKING ARTS, HUMANITIES AND SOCIAL SCIENCES TO ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT	DEPLOYMENT OF QUALITY EDUCATION AND HEALTH FOR ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT
<i>Chair</i>	<i>Dr. Eliud G. Michura</i>	<i>Dr. Dickson N. Kagema</i>	<i>Dr. Beatrice M. Mburugu</i>
<i>Rapporteur</i>	<i>Dr. Shelmiith W. Munyiri</i>	<i>Dr. Grace Gatune Murithi</i>	<i>Dr. Joyline M. Muchiri</i>
2.00-2.20 pm	Nitrogen Use Efficient Maize For Improved Grain Production In Sub-Saharan Africa <i>Munyiri, S. W.</i>	Analysis of Facebook Neologisms within the Lexeme Based Morphological Theory. <i>Mahianyu, Tarcisio Ruoro & Gathigia, Moses Gatambuki</i>	Effect of Prognosis on Development: A Critical Analysis of the Prophecy of Prophetess Jerusha Kanyua among Chuka People <i>Wamuya, J.W. and Tuei, N.C.</i>
2.20-2.40 pm	Effects of Nutrient Source and Leaf Harvesting Intensity on Pumpkin (<i>Cucurbita moschata</i> Duch.) Edible Growth and Quality Components <i>Munyoro, D.W., Isutsa, D.K. and Gaoqiong, L.</i>	African Oral Narratives For Environmental Conservation And Renewable Energy Development: A Case of Bukusu Narratives <i>Juma, Benson Wabwile</i>	Influence of Classroom Safety on Teaching and Learning Processes in Public Secondary Schools in Kenya <i>Wanderi, Anne Njoki and Gathigia, Moses Gatambuki</i>
2.40-3.00 pm	Effects of Nutrient Source and Leaf Harvesting Intensity on Pumpkin (<i>Cucurbita moschata</i> Duch.) Vegetative and Reproductive Growth Components <i>Munyoro, D.W., Isutsa, D.K. and Gaoqiong, L.</i>	Kirinyaga: The Landscape and Place as a text: An Eco-Critical Appraisal <i>Waita, Z. Njogu</i>	Effects of Physical Abuse on Self-Esteem of Students in Public Secondary School in Igembe South Sub-County, Meru County, Kenya <i>Julius, Agnes Kaari, Mburugu, Beatrice and Kamoyo, John, Kobia, John</i>
3.00-3.20 pm	Genetic Basis of Water Use Efficiency and Biomass Accumulation in Maize (<i>Zea mays</i> L.) <i>Muraya, M. M. and Altmann, T.</i>	Environmental Conservation; the Cause of Terrorist Radicalisation in Kenya: Case of Turkana County, North Eastern <i>Anyuor, N. O.</i>	Indigenous Methods of Education as Practised by the Kipsigis <i>Bii, S. K.</i>
3.20-3.40 pm	Application of Desirability Function for Optimization of Multiple Responses of Watermelon using Organic Manure <i>Muriithi, D. K.</i>	Social Media and Poor Conservation of Political Environment in Kenya: Case of Two Facebook Forums in Migori County ahead of 2017 Polls. <i>Anyuor, N. O.</i>	Re-thinking Human Resource Profession on Mass Access to Technical Education for Health and Environmental Conservation in Kenya <i>Muriu, S. M.</i>
3.40-4.00 pm	Optimal Irrigation Rate and Leaf Harvest Intensity Sustain Multi-Purpose Pumpkin (<i>Cucurbita moschata</i> Duch.) Growth and Quality. <i>Mwaura, M. M. and Isutsa, D. K.</i>	A Discursive Analysis of Political Discourse during the 2010-2014 Mau Forest Restoration Debate in Kenya <i>Moinani, A. M. Barasa, Nasambu, M. and Ong'au, E.</i>	Institutional Factors Influencing Effective Teaching of Agriculture Subject in Public Secondary Schools in Tharaka Nithi County, Kenya <i>Muchiri, J. and Kiriungi, L.</i>
4.00-4.10 pm	Impacts of Climate Change on Crop Production and its Adaptation in Sub-Saharan Africa <i>Mwangi, M. N.</i>	Students' Knowledge of HIV/AIDS and their Attitude towards Sexual Behaviour. A Comparative study of Form 1 and Form 4 secondary school students in Coast Region, Kenya. <i>Thuo, D., Barchok H., Nyaga, V. and Bururia, D.</i>	HIV Transmission to Infants in Relation to Mode of Feeding and Mother's Immunological Status in Kirinyaga County <i>Njagi, C.</i>
4.10-4.20 pm	Factors Affecting Economic Benefits of Indigenous Vegetables Grown by Small-Scale Farmers in Kenya: A Case Study of Mwea Sub-County <i>Njoroge, S.M. and Githae, E.W.</i>		Influence of Family Relationship on Academic Performance of Pupils in Public Primary Schools in Kianjiru Zone, Embu County, Kenya <i>Njiru, M. M.</i>
4.20-4.30 pm	Importance of Product Attributes in the Successful Branding of Fresh Fruits and Vegetables <i>Nkari, I. M.</i>	Verbo-Pictorial Metaphors in Kenyan Newspapers <i>Gathigia, M.G.</i>	Influence of Parents Level of Education on Students' Academic Performance in Public Secondary Schools in Makueni Sub-County <i>David, T. Y., Mwenda, P. and Mathuva, E.</i>
4.30-4.40pm	Comparative Analysis of Growth and Shelf Life of Kales Produced using EM Compost and NPK <i>Keter, I. K., Nyambura, K.M., Kipkirui, D., Cheserek, R., Ruir, G. and Oloo-Abucheli, G.</i>		Effect of Social Media on Interpersonal Relationship of Students in Public Universities in Kenya <i>Gikunda, R.M. & Mburugu, B. M.</i>
4.40-5.00 pm	Reactions	Reactions	Reactions
5.00-5.30 pm	Tea Break + Exhibition + Networking	Tea Break + Exhibition + Networking	Tea Break + Exhibition + Networking

Day Two: 19 th October, 2017			
8.00-8.30 am	Registration, Seat arrangement, Poster mounting, Meals, Stationery, Projectors, Time-keeping: Winfred Mutwiri, Martha Mugambi, Jotham, Ainea, Daniel Njuguna, Marion Mutwiri, Daniel Wandera		
VENUE	ROOM 206	ROOM 205	ROOM 203
SUBTHEME	APPLICATION OF SCIENCE, ENGINEERING & TECHNOLOGY IN ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT	UTILIZATION OF BIODIVERSITY TO CONSERVE THE ENVIRONMENT	LINKING ARTS, HUMANITIES AND SOCIAL SCIENCES TO ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT
<i>Chair</i>	<i>Dr. Sammy W. Musundi</i>	<i>Dr. Eunice W. Githae</i>	<i>Prof. Zachary N. Waita</i>
<i>Rapporteur</i>	<i>Dr. Paul K. Kamweru</i>	<i>Dr. Stellamaris Muthoka</i>	<i>Ms. Purity R. Mbabu</i>
8.40-9.00 am	Towards Fuzzy Logic in Virtual Enterprises Problem <i>Musumba, W. G. and Wario, D. R.</i>	Status of <i>Opuntia</i> Invasions and their Management in Kenya <i>Githae, Eunice Wamuyu</i>	Impact of Attitudinal Adaptation on Academic Achievement among Students: Case of Boys and Girls in Boarding Sec. Schools in Meru County, Kenya. <i>Murithi, G. G.</i>
9.00-9.20 am	Water Quality, Utilization and Nutritional Status of Under-Five Children Living Along River Njoro Water Catchment, Njoro Sub-county, Nakuru. <i>Muthoka, S., M'Erumba, C. M., Messo, J. R. and Wanjala, J.</i>	Assessing Land Degradation along Mutonga River Canyon from Satellite Images using Soil Adjusted Vegetation Index <i>Kibetu, Dickson Kinoti</i>	Effects of Imprisonment on Self Esteem among Female Inmates in Selected Prisons in Kenya <i>Kamoyo, J.M.</i>
9.20-9.40 am	FTIR application in Bioprospection of <i>Callistemon citrinus</i> <i>Nyaga, David M., Uttam, K. N. and Kamweru, Paul Kuria</i>	Drivers of Deforestation and its Implications on the Livelihoods of Rural Households in Machakos County. <i>Mueni-Koki, M., Masika Kisaka, O. and Wekesa, A. M.</i>	Perceived Influence of Knowledge, Attitude and Values on Climate Change Mitigation Behaviour among Tourism Business Managers in Kenya: A Literature Review. <i>Kinyanjui, D. N.</i>
9.40-10.00 am	E-Government and County Governance: The Role of Information Communication Technology <i>Ndolo, J., Njagi E. and Nyaga, G.</i>	Richness and Abundance of Butterflies in Kiang'onde Forest and the Local Community Attitudes Towards Butterflies <i>Mutuku, M. and Njeru, J.M.</i>	Udhahania Katika Riwaya Za <i>Walenisi Na Mafuta</i> <i>Kwambai, Matthew na Bowen, Dave</i>
10.00-10.20 am	Influence of Net Pore Size, Position and Exposure Time on Macroinvertebrate Drift Density in The Njoro River, Kenya. <i>Mureithi, P.W., M'Erumba, C.M., Mathooko, J.M. and Mbaka, J.G.</i>	Causes and Consequences of Land Use and Cover Change in and around Imenti Forest, Meru County, Kenya. <i>Njeru, L.K., Muturi, S.M., Kareri, W.R. and Omondi, P.</i>	Impact of Poor Governance on Deforestation in Africa <i>Maina, Paul Mwari</i>
10.20-10.30 am	Reactions	Reactions	Reactions
10.30-11.00 am	Tea Break + Exhibition + Networking	Tea Break + Exhibition + Networking	Tea Break + Exhibition + Networking
VENUE	ROOM 206	ROOM 205	ROOM 203
SUBTHEME	APPLICATION OF SCIENCE, ENGINEERING & TECHNOLOGY IN ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT	UTILIZATION OF BIODIVERSITY TO CONSERVE THE ENVIRONMENT	MAINSTREAMING AFFIRMATIVE ACTION & GENDER EQUITY IN ENVIRONMENTAL CONSERVATION & RENEWABLE ENERGY DEVELOPMENT
<i>Chair</i>	<i>Dr. Silas Kiruki</i>	<i>Prof. Charles M. M'Erimba</i>	<i>Dr. Susan M. Kinyua</i>
<i>Rapporteur</i>	<i>Mr. David I. Kibaara</i>	<i>Mr. David M. Nyaga</i>	<i>Ms. Catherine K. Kaimenyi</i>
11.00-11.10 am	Use of <i>Bacillus subtilis</i> as Seed-Coat In Control of Bacterial Wilt Caused by <i>Ralstonia solanacearum</i> in Tomato (<i>Solanum lycopersicum</i>). <i>Odhiambo, S. and Kiirika, L. M.</i>	Impacts of Kayole-Soweto Informal Settlement on Ngong River and its Environs, Nairobi Kenya <i>Sharon, M. and Nyaga, D.M.</i>	Sex Workers Voice for Justice to the Public Space: A Human Rights Challenge to Religious Institutions in Kenya <i>Chidongo, Tsawe-Mungawa</i>
11.10-11.20 am	Leveraging on Social Media, Competition and Reward Systems to Develop Applications that Stimulate Environmental Conservation <i>Kirui, Tui K.</i>	Herpetofaunal Abundance and Local Community Perception of the Species in Kakunga-Mukangu Region of the Kakamega Forest National Reserve, Kenya <i>Ojera, F. A. and Njeru, J. M.</i>	Examining the Role of Rural Women in Environmental Conservation <i>Kaimenyi, Catherine Kathure and Munyiri, Shelmith Wanja</i>
11.20-11.30 am	Influence of Social Media on E-Waste Awareness in Kenya <i>Tuei, N.C. and Wamuya J.W.</i>	Linking Water Quality to Sources at Household Level among Riparian Communities in Upper Njoro River Catchment, Kenya. <i>M'Erumba, C.M., Muthoka, S.K., Ouma, K. O., Raude, J. M., Wanjala, J. and Digo, C.O.</i>	Gender Variations in the Use of Swear Words in Six Social Network Groups in the Meru Speech Community <i>Mikwa, Josphat Kimathi</i>
11.30-11.40 am	Effect of 2,4-D and Hexazinone application on soil dehydrogenase activity on sugarcane cultivated soils in Nzoia sugarcane plantations. <i>Njue, R., Kiruki, S., Muia, A. and Ngigi, A.</i>	Macroinvertebrate and Organic Matter Drift in Two Kenyan Highland Streams under Differing Intensities of Anthropogenic Disturbances. <i>M'Erimba, C. M., Ouma, K.O., Muthoka, S., Nyaga, D. Mureithi, P.</i>	Dryland Agriculture in Kenya: Gendered Risks, Vulnerabilities and Research Gaps <i>Mwenzwa, E. M.</i>

11.40-12.00 pm	Antimicrobial Activity of a Streptomycete Isolate from Wheat Farm Soil in Mau Forest Complex, Kenya <i>Njoroge, H. W., Muia A. W., Otaye D. and Boga, H.I.</i>	Effectiveness of Compensation in Reducing Human-Wildlife Conflicts in Masai Mara National Reserve, Kenya <i>Kamau, E. and Njeru, J. M.</i>	Women's Groups: A means to Effective Environmental Conservation: A survey of Muchui Women Group <i>Ngari, E. K. and Ntinyari, S.</i>
12.00-12.10 pm	Selective Conversion of Fructose to Methyl Levulinate using Sulfated Zirconia-Alumina Binary Oxides. <i>Njagi, E. C. and Suib, S. L.</i>	Effectiveness of Compensation in Reducing Human-Wildlife Conflicts in Masai Mara National Reserve, Kenya. <i>Kamau, Eunice W. and Njeru, J. M.</i>	Women's groups: A means to effective environmental conservation: A survey of Muchui Women Group <i>Ngari, E. K. and Ntinyari, S.</i>
12.10-12.20 pm	Antibacterial Activities of Some Hydroxytriazene Derivatives <i>Kariuki, A. F. and Njagi, E. C.</i>	Integration of Solar Powered and Plasma Enhanced Gasification System on Municipal Solid Waste Processing and Energy Generation in Mt. Kenya Region. <i>L. M. Muriuki, M. Muraya, J. M. Gichumbi, L. K. Mureu, J. N. Rithaa, S. Muchina, A. Magana, V. Nyaga, J. Mutegi, P. Kamweru, C. Njue</i>	Influence of Gender on Selected Personality Factors: Implications for Personality And Career Counseling among Secondary School Students in Chuka Sub-County, Kenya. <i>Riungu, E. N. and Kinyua, S. M.</i>
12.20-12.40 pm	Applications [(η ⁶ -benzene) RuCl(C ₅ H ₄ N-2-CH=N-L)PF ₆] complexes in biphasic styrene oxidation <i>Gichumbi JM, Ombaka Ochieng, Holger Freidrich</i>		Role of Public-Private Participation on Empowerment of Women and Youth in Agriculture <i>Michura, E. G. and Michura, A. J.</i>
12.40-01.00 am	Reactions	Reactions	Reactions
1.00pm-2.00pm	Lunch + Exhibition + Networking	Lunch + Exhibition + Networking	Lunch + Exhibition + Networking
VENUE	ROOM 206	ROOM 205	ROOM 203
SUBTHEME	STRENGTHENING AGRICULTURE TO CONSERVE THE ENVIRONMENT AND DEVELOP RENEWABLE ENERGY	LINKING ARTS, HUMANITIES AND SOCIAL SCIENCES TO ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT	APPLICATION OF SCIENCE, ENGINEERING & TECHNOLOGY IN ENVIRONMENTAL CONSERVATION AND RENEWABLE ENERGY DEVELOPMENT
Chair	Dr. Geoffrey K. Gathungu	Dr. Humphrey K. Ileri	Dr. Ochieng' Ombaka
Rapporteur	Ms. Grace Oloo-Abucheli	Dr. John M. Kamoyo	Mr. Harun N. Njenga
2.00-2.20 pm	Post-Harvest Quality and Longevity of Roses as Influenced by Varied Glucose and Sucrose Conc <i>Obunga, V., Chemutai, C., Chepkemai, G., Muthoni, L., Odhiambo, F., Njoroge, Z. and Oloo-Abucheli, G.</i>	Assessing Knowledge Leakage on Performance among Teaching Staff in Public Universities in Kenya <i>Mugalavai, A.K., Wafula, A. and Odini, C.</i>	Power Spectral Analysis and Edge Detection of Magnetic Data of Migori Greenstone Belt, Kenya <i>Odek, Antony, Githiri, John, K'Orowe, M. and Ambusso, W.</i>
2.20-2.40 pm	Enhancing Smallholder Farm Production Systems Conservation Agriculture with Integrated Leguminous Shrubs in A Maize-Legume Cropping System in Dryland Agroecosystems <i>Rabach, V., Masika, O. Koske, J. and Muriuki, Jo.</i>	Symbols of Animals in Runyoro Proverbs and Implications for Conservation <i>Mugume, Peter</i>	Characterization and Productivity Profiles of <i>Aedes aegypti</i> (L.) Breeding Habitats Across Rural and Urban Landscapes in Western and Coastal Kenya. <i>Ngugi, H., Mutuku, F., Ndenga, B.A., Musunzaji, P. S., Mbakaya, J. O., Aswani, P., Irungu, L. W., Mukoko, D., Vulule, J., Kitron, U. & LaBeaud, A. D.</i>
2.40-3.00 pm	Evaluation of Processed Soybean Meals Using <i>In-Vivo</i> and <i>In-Vitro</i> Methods <i>J. Kinyua, L. Musalia and C. Gachuiiri</i>	Psychological Effects of Divorce on Academic Achievement among Primary Schools Pupils in Kangeta Division, Kenya <i>Muthamia, T., Mburugu, B., Kamoyo, J. and J. Kobia</i>	Determination of Critical Time Cyanide Potential in Cassava are at Peak Concentration <i>Weru, S.M., Filippo de Monte, Kanamu, J.M., Farra C.N., Mwititi, G., Rewe, M.N.</i>
3.00-3.20 pm	Adoption of Indigenous Chicken Production Technologies in Tharaka Nithi County <i>Nyaga, S.M.</i>	Subalternity and Resistance in the Kenyan Political Autobiography: A Critical Look at <i>Not Yet Uhuru</i> and <i>The Flame of Freedom</i> <i>Mutie, S., Goro, Nicholas K. and Rutere, A. M.</i>	Pine Tree Used to Light Charcoal Stoves & as a Renewable Energy for Sustainable Development <i>Gilbert Nyakundi Okebiro and A. K. Nyambane</i>
3.20-3.40 pm	Sero-Prevalence of Brucellosis in Ruminants at Slaughters in Chuka Town & Transmission to Humans <i>Kemboi D. C., Amiani N. M. and Mutembei, M.</i>	Tahakiki Ya Motifu Ya Safari Katika Kuhifadhi Mazingira Katika Utendi Wa Kalevala. <i>Mwangi, Jackson Ndung'u</i>	Application of Technology in Utilization of Wind Energy for Sustainable Development in Arid and Semi-Arid Areas: Case study of Kakuma Turkana County <i>Gilbert Nyakundi Okebiro and Robert Simiyu Kakai</i>
3.40-4.00 pm	Contribution of Plastic Tube Digester (PTD) Innovations in Climate Change Mitigation and Improved Rural Livelihoods: Case Study of Central Kenya <i>Matiri, F. M. and Kiruiro, E.M.</i>	Responsible Leadership, Sustainable Development in the Post-independent Africa: A Kenyan Experience <i>Kagama, D. N.</i>	Effects of Enriched Fertilizers on Heavy Metals Content in Tea Soils <i>Chepkorir, Gladys, Karl Wilson Nyabundi and Moses Kathuri Njeru</i>

4.00-4.10 pm	Influence of Environmental Knowledge on Women Small-Scale Farmers Adoption of Conservation Agriculture in Nakuru County, Kenya <i>Michura, E. G. and Michura, A. J.</i>	Effectives of Religious Initiated Programmes in curbing HIV/AIDS Pandemic in Kenya: Some Selected Programmes in Meru South Sub-county <i>Kagama, D. N. and Mathai, L. M.</i>	Production of <i>Rhizobia species</i> for Seed and Plant Inoculation for Crop Productivity and Livelihoods Enhancement <i>Christopher Mutuku, Julius Mburu and Chrispino Pius</i>
4.10-4.20 pm	Effect of Integration of NAA, Staking and Mineral Nutrient Application on Growth, Yield and Seed Quality of Beans (<i>Phaseolus vulgaris</i> L.) <i>Kiragu, P. W.</i>	Interpretation of EkeGusii Pop Songs within the Great Chain of Being Metaphor <i>Ntibo, V. O., Gathigia, M. G. and Moraa, N. N.</i>	PCR Identification of Aroma, Blast Resistance, Kernel Length and Yield Genes in Pishori Rice Grown in Kenya <i>Aloo, D., Tanui, L., Njiru, J. and Kiruki, S</i>
4.20-4.30 pm	Effects of Farmyard Manure and Harvesting Frequency on Kale Leaf Yield. <i>Gathungu, G. Omukoko, C. Sioma, M., Isutsa, D.</i>	Effect of Micro-Insurance Segment on Insurance Uptake in Kenya <i>Mutegi, M. K. and Mutegi, T. M.</i>	Preparation and Antibacterial Activities of Bar Soap from <i>Moringa oliefera</i> and <i>Croton megalocarpus</i> Seeds <i>Gichumbi, J.M., Ombaka, O., Muraya, S. and Ogolla, F.</i>
4.30-4.40 pm	Genetic Diversity of Pumpkin Accessions in Kenya Revealed Using Morphological Characters, Diversity Index, CATPCA and Factor Analysis <i>Kiramana, J.K., Isutsa, D.K. and Nyende, A. B.</i>		Performance and Acceptance of Mushroom in Tharaka-Nthi County <i>Sande, Anne and Gathungu, G. K.</i>
4.40-4.50 pm	Shelf Life of Pumpkin Blended Products, Flour and Fruit Slices of Different Presentation Formats <i>Kiharason, J. W., Isutsa, D. K. and Ngoda, P. N.</i>		Remarks on A-Skew-Adjoint, A-Almost Similarity Equivalence and Other Operators in Hilbert Space <i>I.N. Sitati, B.M. Nzimbi, S. W. Luketero, J. M. Khalagai</i>
4.50-5.00 pm	Reactions	Reactions	Reactions
5.00-7.00 pm	Tea Break + Exhibition + Networking+ Tour of the Chuka University Main Campus		
7.00-9.00 pm	RECEPTION DINNER & CLOSING CEREMONY		
VENUE	ROOMS 206 & 205		
Chair	<i>Prof. Zachary Getenga, Director, Research & Extension</i>		
Rapporteur	<i>Dr. Lemmy M. Muriuki, COD, Environmental Studies and Resources Development</i>		
Facilitators	<i>Winfred Mutwiri, Martha Mugambi, Jotham Ainea, Daniel Njuguna, Marion Mutwiri, Daniel Wandera</i>		
Official Closing PowerPoint	<i>Mr. John K. Nkanatha, Ag. Deputy Registrar (Administration & Planning)</i>		
Day Three	20th October, 2017: EXCURSION		
8.00 am- 5.00 pm	Touring and site-seeing: Crocodile Farm-Sagana and Masinga Dam Tour Circuit - <i>Dr. Lemmy M. Muriuki</i>		
Day Four	21st October, 2017: DEPARTURE		
Days 1 to 3: POSTER PRESENTATIONS			
Exhibitions (Available for Chuka University Staff)			
1.	CIWAB Exhibition <i>Ochieng, K.</i> <i>Egerton University, Department of Biological Sciences, P. O. Box 536-20115, Egerton</i> <i>Email: kenochieng8477@gmail.com</i>		
2.	Effect of Vegetated Filter Strips on Manure-Borne Pathogens Dynamics in Overland Flow and Soil Matrix in Eastern Mau Ranges, Njoro River Watershed, Kenya <i>Olilo, C.O., Muia, A.W., Moturi, W.N., Onyando, J.O.</i> <i>Department of Environmental Science, Egerton University Njoro, Kenya</i> <i>Department of Biological Sciences, Egerton University Njoro, Kenya</i> <i>Department of Agricultural Engineering, Egerton University, Njoro, Kenya</i> <i>Email: olilocasianes@yahoo.com</i>		
3.	Animal Welfare through Photography <i>Kemboi, D. C.</i> <i>Department of Animal Sciences, P. O Box 109-60400, Chuka, Kenya</i> <i>Email: dkemboi@chuka.ac.ke, kemboide@gmail.com</i>		
4.	Production of Rhizobia Species for Seed and Plant Inoculation for Seed/Crop Productivity and Livelihoods Enhancement <i>Mutuku, C. S.</i> <i>Department of Biological Sciences, P. O Box 109-60400, Chuka, Kenya</i> <i>Email: sikuku2013@gmail.com</i>		
5.	Characterization of Larval Habitats of <i>Aedes aegypti</i> (L.) in Kenya		

	<i>Ngugi, H. N. Department of Biological Sciences, P. O Box 109-60400, Chuka, Kenya Email: mnderi@chuka.ac.ke, ithenthu@yahoo.com</i>
6.	Natural Mineral Licks (Mwonyo) for Improved Livestock Productivity <i>Nderi, O. M. Department of Animal Sciences, P. O Box 109-60400, Chuka, Kenya Email: mnderi@chuka.ac.ke, ithenthu@yahoo.com</i>
7.	Assessment of Algal Diversity and Biomass, their Effect on Physicochemical Properties of Water and their Biological Control in the Economic Stimulus Programme (ESP) Fish Ponds in Tharaka-Nithi County <i>Kibaara, D.I., Magana, A.M., Ombaka, O. and Githae, E.W. Department of Biological Sciences, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: davidkibaara@yahoo.com</i>
8.	Analysing the Dynamics of Spatial Interaction and Socio-Economic Transformations around Chuka University, Main Campus Using Remote Sensing and GIS Techniques <i>Kinoti Kibetu, Paul Nyaga Njue, Joyce Muthoni Mwangi and Daniel Muchiri Department of Social Sciences, Chuka University, P. O. Box 109-60400, Chuka Mapping and Spatial Analysis, Galaxy Geo services Inc, P. O. Box 2639-60100, Embu Email: dkinoti@chuka.ac.ke, kinotikibetu@yahoo.com</i>
9.	Lifestyle Diseases <i>Gitonga, L. K. Department of Nursing, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: lgitonga@chuka.ac.ke, gitonga30@yahoo.com</i>
10.	Gender and Disability Mainstreaming <i>Mburugu, B.M. Department of Education, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: bmburugu@chuka.ac.ke, bmburugu@gmail.com</i>
11.	University's Role in Enterprising Horticulture: Case of Banana Value Chain Approach <i>Gathungu, G.K. et al. Department of plant Sciences, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: ggathungu@chuka.ac.ke, gkgathungu@yahoo.com</i>
12.	Harnessing Germplasm Conservation, Seed Multiplication and Food Processing Technologies and Innovations to Empower Women, Preserve Ecosystems, and Enhance Food Security: The Case of Pumpkins in Kenya <i>Isutsa, D.K., Kiramana, J.K. and Kiharason, J. W. Chuka University, P. O. Box 109-60400, Chuka, Kenya Egerton University, P. O. Box 536-20115, Egerton, Kenya. Email: dorcaski@yahoo.com, jkiharason@chuka.ac.ke, esi.jedi2012@gmail.com, kirimijk@yahoo.com</i>
13.	Soil and Water Conservation for Increased Crop Productivity and Environment Protection <i>Gathungu, G. K. and Ndukhu, O. N. Department of Plant Sciences, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: ggathungu@chuka.ac.ke, gkgathungu@yahoo.com</i>
14.	Hands-on Disaster Preparedness and Management Skills for Learning Institutions Administrators and other Stakeholders <i>Sande, A. A. Department of Social Sciences, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: sandeanne@ymail.com</i>
15.	Hands-on Project Planning, Monitoring and Evaluation Skills for Community Development <i>Thiong'o, C. W. & Murungi, K.M. Department of Social Sciences, Chuka University, P. O. Box 109-60400, Chuka, Kenya Email: cwthiongo@gmail.com</i>

