



Curriculum Vitae

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(a). Preliminaries

Name: Dr. Josphert Ngui Kimatu, PhD, Mphil, B.Sc., PGDE
Specialist: Plant Molecular Epigenetist, Plant pathologist, Education Curriculum specialist, Botanist, Post-harvest management consultant, Commission of University Peer Reviewer, Integrity Assurance Officer.
Date of birth: 17th August 1969
Gender: Male
Marital status: Married.
Language Proficiency: English, Kiswahili, Kamba, Chinese.
Nationality: Kenyan
Address P.O. Box 2086-90100, Machakos, Kenya.
Tel: +254734907740/070521571
Or
Department of Life Sciences. South Eastern Kenya University P. O. Box 170-90200-Kitui, Kenya.
Emails: jkimatu@seku.ac.ke, Josphert@yahoo.com, josphertk@gmail.com
Website: www.josphert.com

(b). Professional Bodies Career affiliations :

1. Member of the European Commission Experts (No. **EX2019D345173**)
2. Member of African Biotechnology stakeholders' forum (ABSF),
3. Member of Chinese Society for Cell Biology (No. **S232200179A**)
4. Reviewer in the African Journal of Biotechnology- 2011, Impact factor- 0.560
5. Editorial Board Member of the online journal of Chemical Engineering and material Science.
6. Editorial Board Member of the online Journal of Applied Environmental and Biological Sciences (JAEBS).
7. Honorable Editorial Board Member for International Journal of Pharmacognosy & Chinese Medicine. March 2018- to date
8. Editorial Board member of the Journal of Microbiology and Laboratory science (JMLS)
9. Member of the Society of African Journal Editors (**No. 56588**).
10. Member of the Editorial Board of the Journal of Economics and management. 2018 - April 21, 2019

(c). Educational Background

(i). POST DOCTORAL SHORT COURSES

1. **The University of Nairobi, Kenya:** Certificate in automation for research and diagnostics in molecular biology. Diagnostic of infectious diseases at the molecular level using high throughput computerized flat-forms. 24th- 26th June 2014.
2. **Stellenbosch University, South Africa:** Concepts in post-harvest management of maize, Legumes and rice. May 14th - May 25th 2012.
3. **The University of Sydney, Australia:** Storage, handling, integrated pest management in grains, management of Aflatoxin in maize and peanut, plant breeding, Economics of post-harvest management. May 26th – June 23rd 2012.
4. **The Kwame Nkrumah University of Science and Technology, Ghana:** Proposal writing, stakeholder engagement and evaluation and monitoring of project. Rural project appraisal. May 26th – July 20th 2012.
5. **The University of Lund, Sweden.** Agricultural education and the formation science parks using the triple helix model of university, industry and government. Sept 2015.
6. **The Technical University of Munich, Germany:** Reconciling human needs with environmental conservation and ecosystem services. Oct – Nov 2016.
7. **University of Sheffield:** United Kingdom, Online course *Future learn* Courses on “**How to succeed at interviews**” certified on 23rd November 2014.
8. **The University of Melbourne, Australia,** Online Coursera Course on “**Epigenetic Control of Gene Expression:** verify no. LPHBFHNY5SCT, 2016.
9. **Goldsmiths, University of London,** United Kingdom, online course *Future learn* Courses, entitled, “**Prepare for Career Success at University**” certified on 10th September 2016.
10. **The Open University, United Kingdom,** online course in *Future learn*

Courses, entitled, “**Childhood in the digital age**” certified on 21st August 2016.

11. **The University of Auckland, New Zealand, Online course in *Future learn***
Courses, entitled, “**Academic Integrity: Values, Skills, Action**” certified on 7th December 2014.

(ii) UNIVERSITY EDUCATION (1989-2010)

- 1). **NORTHEAST NORMAL UNIVERSITY** – Changchun City, China
2006-2010 **Achieved:** Doctorate in Molecular Plant Epigenetics
 Research: Aluminium Stress-Induced Alteration in Cytosine DNA Methylation and Its Possible Association with the Genotypic Differences in Tolerance to Aluminium toxicity in Maize.
- 2). **MOI UNIVERSITY** – Eldoret, Kenya
1993 – 1999: **Achieved:** Master of Philosophy in Forest pathology (Mphil)
 Research: Studies on the causes of a leaf- spotting disease on *Grevillea robusta* cunn. Ex.Br. in Yala and Koder forest in Nyanza province, Kenya
- 3). **MASENO UNIVERSITY:** Maseno. Kenya
1998-1999: **Achieved:** Post Graduate Diploma in Education (PGDE)
 Research: A case study of the relatedness and Homogeneity of continuous assessment and final examination results in Biology and chemistry in Kuinet Secondary school, Uasin Gishu District, Kenya.
- 4). **MOI UNIVERSITY** – Eldoret, Kenya
1989-1993: **Achieved:** Bachelor of Science in Botany (BSc.)
 Research: A case study on the Genetic resources of *Sisymbrium erysimoides*.
- 5). **JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY, NAIROBI, KENYA**
2001: **Achieved:** Certificate in pharmaceutical and Herbal Medicine Technology
 Research: Extraction of Alkanoids from *Acacia Drepalonobium* and the Anti-microbial activity on Bacteria, Fungi, and Marine shrimps.
- 6). **UNIVERSITY OF NAIROBI**
2014: Certificate in diagnostics in Molecular Biology

(d). Work Experiences

2014 - To-date	Senior Lecturer , Department of Life Sciences, successfully served as the Director of Research Innovation and Technology at South Eastern Kenya University for two terms (2014-2019). A Senior University Lecturer at South Eastern Kenya, teaching Molecular Biology, Genetics, Epigenetics, Microbiology, Botany, Plant Physiology, HIV and AIDS and Public health to PhD, Masters, Bachelor and Diploma students.
2015- 2018	Part Time Senior Lecturer at Pan Africa University (PAUSTI) at Jomo Kenyatta University, lecturing only to Masters and PhD students in Biotechnology and Molecular Biology.
2010-2014	Lecturer at South Eastern Kenya University, Lecturing at the Department of Biological Sciences at the school of Pure and Applied Sciences.
2008 - 2010	University Lecturer at Northeast Normal University, teaching epigenetics to Master and PhD Students.
Oct 2009	University Lecturer at Northeast Institute of Geography and Agriculture, in China. Taught PhD students (Research Methods course)
2007-2010	University Lecturer at Changchun Institute of Applied Chemistry Chinese Academy of Sciences, in China. Taught Masters and PhD students (Research Methods course)
1993-2006	Part time High school teacher with TSC (No. 338009) at Ndoo sec school, Machakos, Kuinet RCEA secondary school, Uasin Gishu, Ukia Girls Secondary school and St Paul Kyamuthei Secondary school, Makueni in Kenya and at Machakos Technical College, teaching Biology and Chemistry as Head of Department.

(e). Development of Strategic plans involved in writing and implementation

1. The National Research fund strategic plan 2016-2020
2. The Machakos County strategic plan, 2013-2017
3. The Machakos development forum agricultural strategic plan 2012-2022
4. Drafting the South Eastern Kenya University, Directorate of Research, Innovation and Technology strategic plan, 2018- 2025.

(f). Dissertations, Thesis and awards

1. Aluminum Stress-Induced Alteration in Cytosine DNA Methylation and Its Possible Association with the Genotypic Difference in Tolerance to Aluminum toxicity in Maize. Supervised by Prof. Liu Bao, **PhD Thesis**, at Northeast Normal University, Changchun City, China. **(CSC sponsored)**
2. Studies on the causes of a leaf spotting disease on *Grevillea robusta* in Yala and Koderia Forests in Nyanza Province, Kenya. Moi University, **M.Phil Thesis** 1999 (Published). Supervised by Dr. H.O. Kojwang and Dr. J.K. Koech, P.O. Box 3900, Eldoret. Kenya. **(Kenya Govt./ICRAF sponsored)**
3. The Genetic Resource of *Sisymbrium erysimoides* desf. In Uasin Gishu District, Kenya. **B.Sc. Thesis**, at Moi University, Kenya, Supervised by Prof. S. Baquar. **(Kenya Govt. sponsored)**
4. Extraction of Alkaloids from *Acacia Drepalonobium* and the Anti-microbial activity on Bacteria, Fungi and Marine Shrimps. **Certificate Project**, at Jomo Kenyatta University of Agriculture, Nairobi, Supervised by Prof. T. Akenga. **(Self sponsored)**

(g). Awards and Accolades

1. **9th January 2019:** Awarded an **appreciation** letter by the South Eastern Kenya University Council, Management and Senate for the positive roles and impact I contributed as the Director of Research, Innovation and Technology for two terms from 2014-2019.
2. **17th September 2014:** Awarded a **Patent** no. KE/U/2014/000451 for a Utility Model innovation on low cost smoked pots for water purification by KIPi through KIRDI.
3. **Dec 2014** Awarded a certificate for **excellence** in peer referred Research Journal publications for the year 2013/2014 at South Eastern Kenya University.
4. **17th July 2013:** Awarded an **appreciation** letter by the university management for a great role played as a member of the exhibition committee by the Vice, Chancellor.
5. **30th January 2012:** Awarded an **appreciation** letter by the university management for successfully applying for book funding from global literacy project worth Kshs 12m for SEKU by the Vice, Chancellor.
6. **9th September 2014:** Awarded a certificate of **excellence** by the National environmental trust fund (NETFUND) green innovations award, for the water purification category by the Kenya first lady, Margaret Kenyatta at safari park, Nairobi.

7. Certificate of **excellence** in Chinese character writing competition in **2007**
8. Certificate is culture display exhibition at Northeast Normal University in **2007**.
9. Certificate in Chinese language **proficiency** at Northeast Normal University in **2008**.
10. Certificate as a CCTV 9 English contest **2007** Judge at Changchun University, Changchun City, China.
11. Certificate as a Judge in 21st Century Daily newspaper English speaking competition at Changchun University, Changchun on **4th June 2008**
12. Judge in China Daily newspaper in English speaking competition at Changchun University, Changchun on **22nd November, 2008**
13. Was the **GRAND PRIZE winner** for the March **2009 global** DNA Methylation Survey sponsored by Applied Biosystems.
14. Awarded a business letter of appointment as an **honorary** representative for Changchun high technology development zone, by Changchun city Jilin, province, China. On **May 2010**.

(h). Peer Refereed Research Publications

Year 2018

1. **Josphert N. Kimatu (2018)** Advances in Plant Pathology www.intechopen.com/books. ISBN 978-1-78923-609-5. [This is a **University Level Text Book**], Published in London, UK. **(November, 2018)**
2. Kitivo EN, Nyamasyo GH, Kimiti JM, **Kimatu JN. (2018)** Effects of Agro ecosystem Land Use Types on the Diversity, Abundance and Ecosystem Functions of Insect Pollinators. Expert Opin Environ Biol 7:1. doi: 10.4172/2325-9655.1000150. **(February 2018)**
3. Baba Ngom, Edward Mamati, Ibrahima Sarr and **Josphert Kimatu. (2018)**. Aluminum toxicity vs salicylic acid effects in pearl millet methylome. Int. J. Adv. Res. 6(4), 517-524. ISSN: 2320-5407. **(April 2018)**
4. Baba Ngom, Edward Mamati, Mame Fatoumata Goudiaby, **Josphert Kimatu**, Ibrahima Sarr, Diaga Diouf & Ndjido Ardo Kane. **(2018)**. Methylation analysis revealed salicylic acid affects pearl millet defense

through external cytosine DNA demethylation, Journal of Plant Interactions, 13:1, 288-293, DOI: 10.1080/17429145.2018.1473515. **(May 2018)**

5. **Josphert N. Kimatu (2018)**. The Possibility of Parasitic Tobacco Roots Causing Nicotine Bitterness in Maize Grains. **(June 2018)**
6. Josephine Syanda, Simon Nguluu, **Josphert Kimatu**, Boniface M. Mwami and David Karanja **(2018)**. The effects of physical properties of commonly grown bean (*phaseolus vulgaris* L) genotypes on cooking time in Machakos County, Kenya. **(June 2018)**

Year 2017

1. Baba Ngom, Ibrahima Sarr, **Josphert Kimatu**, Edward Mamati & Ndjido Ardo Kane. **(2017)**. Genome-wide analysis of cytosine DNA Methylation revealed salicylic acid promotes defense pathways over seedling development in pearl millet. Journal of Plant Signaling & Behavior. Taylor & Francis. doi: 10.1080/15592324.2017.1356967. **(July 2017)**
2. Ednah Mutindi Masila and **Josphert N. Kimatu**. **(2017)**. Antibacterial potency and differential synergistic effects of *Zingiber officinale* and *Capsicum annum* extracts against *E. coli*, *Staphylococcus aureus* and *Pseudomonas aeruginosa*. American Journal of Research Communication: Vol 5(2). pp. 66-76. ISSN: 2325-4076. **(Feb 2017)**.
3. Rhoda N. Kuisa, **Josphert N. Kimatu**, Titus I. Kanui. **(2017)**. Farmers Perception and the Highlights of the Sources of the Chronic Aflatoxin Contamination amongst the Inhabitants of the South-Eastern Region in Kenya. Journal of Advances in Agriculture. Vol 7(1). Pp. 976-987. **(Jan 2017)**.
4. Boniface M. Mwami, Simon N. Nguluu, Jacinta M. Kimiti, **Josphert N. Kimatu**. **(2017)**. Effects of Water Imbibition of Selected Bean Varieties on Germination. International Journal of Agricultural Research and Review: ISSN-2360-7971, Vol.

5(1): pp 579-587. **(Jan 2017).**

5. Festus Mbatha Mutiso , Jacinta Kimiti , Alice Muchugi , Agnes Gachuiiri , Ramni Jamnadass , Jianchu Xu , **Josphert Kimatu (2017)**. Introduction from the Wild and Growth Characterization of Three Provenances of *Calotropis procera* (Ait) in a Domesticated State in Dry lands of South Eastern Kenya. Journal of Natural Sciences Research www.iiste.org, ISSN 2224-3186 (Paper) ISSN 2225-0921 (Online) Vol.7 No.24.

Year 2016

1. **Josphert N. Kimatu, (2016)**. Evolution of strategic interactions from the triple to quad helix innovation models for sustainable development in the era of globalization, Journal of Innovation and Entrepreneurship. JIAE-D-15-00032R1. Springer Journals. **(March 2016)**
2. Emily Kitivo, Gedion H Nyamasyo, **J.N. Kimatu** and Peter N. Ndegwa, **(2016)**. Diversity and abundance of subterranean termites' engineers' islands of soil quality in different land cover types. Journal of Biodiversity and Ecological Sciences Vol. 5, Issue 3 ISSN: 2008-9287. **(July, 2016)**
3. Muluvi Geoffrey Mwanza, Mwanja Jonathan Muema, **Kimatu Josphert Ngui**, Joseph Munyoki Mwinzi **(2016)**. Scientific research and innovation for human development-the concept of science parks for Universities in Kenya. Educational Research (ISSN: 2141-5161), Vol. 7(4) pp. 100-105, **(November, 2016)**.
4. Geoffrey Mwanza Muluvi, Jonathan Muema Mwanja, **Dr. Josphert Ngui Kimatu**, Joseph Munyoki Mwinzi. **(2016)**. Scientific research and innovation for human development-the concept of science parks for Universities in Kenya. Educational Research (ISSN: 2141-5161) Vol. 7(4) pp. 100-105, **November, 2016**.
5. Sichangi Kasili, Daniel Patrick Kisangau, **Josphert Kimatu (2016)**.

Mainstreaming of HIV and AIDS in Kenyan University Academic Programmes: Impact on Students' Sexual Behaviour. International Journal of HIV/AIDS Prevention, Education and Behavioural Science. Vol. 2, No. 4, 2016, pp. 20-26. doi: 10.11648/j.ijhpebs.20160204.11. (December, 2016)

Year 2015

1. **Josphert N. Kimatu, (2015)**. Correlating Aluminium Toxicity, Heterosis and Epigenetic Mechanisms in Maize Yield Improvement in Acid Soils. Journal of Biotechnology and Molecular Biology reviews. Vol 10 (2) pp 12-18. (March 2015)
2. Nahashon Musimba, **Josphert N. Kimatu**, Benard Mweu, MWK Mburu, Simon Nguluu (2015). Germination effects of purposive bruchid screening of African ebony (*Dalbergia melanoxylon*) seeds in the arid and semi-arid region of South Eastern Kenya. Current Research in Agricultural Sciences, 2015, 2(2):60-66. (February, 2015).
3. Real-world complexity of food security and biodiversity conservation. (2015) Jan Christian Habel, Mike Teucher, Berthold Hornetz, Ralph Jaetzold, **Josphert N. Kimatu**, Sichangi Kasili, Zachariah Mairura, Ronald K. Mulwa, Hilde Eggermont, Wolfgang W. Weisser, Luc Lens. Journal of Biodiversity Conservation. DOI 10.1007/s10531-015-0866-z. Springer. (January 2015)

Year 2014

1. **Josphert N. Kimatu**, Wincaster M. Mutuli, Jane W. Mbiru, Benard Mweu, Nahashon Musimba, Thomas Akuja, Simon Nguluu, (2014). The dynamics of physical properties, seed moisture content, market economics and post-harvest management of six bean varieties (*Phaseolus vulgaris*) grown in the sub Saharan region in Africa. Journal of Advances in Agriculture, Vol 3, No 1, pp 102-109. ISSN 2349-0837. (September 2014)

2. Nguluu, S. N., Karanja, J., **Kimatu J.N**, Gicheru, P.T., Musimba, N., Njiru, E. , Kathuli, P. , Nzioki, H., Akuja, T., Muli, B.K., Nzombe, N.N. (2014). Refining Dryland Farming Systems as a Means of Enhancing Agrodiversity and Food Security in Eastern Kenya: A review. *Journal of Advances in Agriculture*, Vol 3, No 1, pp 143-146. ISSN 2349-0837. (October 2014)
3. Simon Nguluu, David Karanja, David Macharia, **Josphert Kimatu**, James Karanja, Henry Nzioki, Peter Kathuli, Daniel Mutisya and Nashon Musimba (2014). Response of different bean genotypes to soil nutrients and water in the semi-arid areas of eastern Kenya. *Journal of Advances in Agriculture*, Vol 3, No 1, pp 183-187. ISSN 2349-0837. (October 2014)

Year 2013

1. Dong Hun Chung, Kelvin O. Nyariki, Kim Jong Su, Karren N. Onura, Johnson U. Kitheka and **Josphert N. Kimatu**. (2013). Introducing efficient low cost smoked pots for water purification for developing countries. *Hydrology Current Res* 2013, 4: 152, pp. 2157 - 7587. <http://dx.doi.org/10.4172/2157-7587.1000152>. (September 2013).
2. Kossi Ayenagbo, **Josphert N. Kimatu** Stephanie Nguhi (2013). Economic and Socio-Political Situation: Challenges and Perspectives. *African Journal of Business Management* Vol. 7(30), pp. 2985-2995, DOI: 10.5897/AJBM12.582. (August, 2013).
3. **Kimatu J. N.**, Jiang L. Ngezahayo, F., Songdi C., Quan-Yuan Y., Pang J., Liu B. (2013). Alteration in Cytosine DNA Methylation patterns and levels induced by Aluminium toxicity stress in maize varieties. *International Journal of Modern Agriculture*, Volume 2, No.1, 2013. pp. 9 – 25. (March 2013).

Year 2012

1. Agboola Rebecca S., **Kimatu Josphert N.**, Liao Yu-Cai and Liu Bao. (2012). Morphological and cytosine DNA methylation changes induced by a

combined effect of boron (B) and salt toxicity in *Sorghum bicolor* inbred line. African Journal of Biotechnology Vol. 11(48), pp. 10874-10881. (14 **June, 2012**).

2. **Kimatu Josphert N.**, Muluvi Geoffrey M. and Liu Bao. (2012). Genetic Diversity, Habitat Fragmentation and Epigenetic Variations. Book Chapter in the book "Genetic Diversity / Book 2", ISBN 978-953-307-1384-7. (**March, 2012**).
3. **Kimatu Josphert N.**, McConchie Robyn, Xie Xiuyuan, and Nguluu Simon N. (2012). The Significant Role of Post-Harvest Management in Farm Management, Aflatoxin Mitigation and Food Security in Sub-Saharan Africa. Greener Journal of Agricultural Sciences. Vol. 2 (6), pp. 279-288. (**October 2012**).
4. Ayenagbo Kossi, Rongcheng Wang, Wengjing Wang, Nguhi Stephanie, **Kimatu Josphert N.**, Patrick Judith Makse. (2012). The impact of globalization on African countries economic development. African Journal of Business Management Vol.6 (44), pp. 11057-11076, (**7 November 2012**).

Year 2011

1. Cao Dong-hui, Gao Xiang, Liu Jie, **Kimatu Josphert N.**, Geng Shu-juan, Wang Xiao-ping and Shi De-cheng. (**2011**). Methylation Sensitive Amplified Polymorphism (MSAP) reveals that alkali stress triggers more DNA hypomethylation levels in cotton (*Gossypium hirsutum* L.) roots than salt stress. African Journal of Biotechnology Vol. 10(82), pp. 18971-18980.
2. Shawi Ali Al, **Kimatu Josphert N.**, Khan Muhammad, and Hussain Kawkab Ali (2011). Enhancement of induced apoptosis in human melanoma A375 by a combination of natural compounds. Journal of Medicinal Plants Research Vol. 5(22), pp. 5400-5406. (**October 2011**).

3. **Kimatu Josphert N.**, Moussa Diarso, Congdi Song, Agboola Rebecca S., Pang Jinsong, Qi Xin and Liu Bao (2011). DNA cytosine methylation alterations associated with aluminium toxicity and low pH in *Sorghum bicolor*. African Journal of Agricultural Research Vol. 6(19), pp. 4579-4593. (September, 2011).
4. **Kimatu J.N.** (2011). Effects of narrowing genetic base and abiotic stress on leaf-spotting in *Grevillea robusta*. Journal of Tropical Forest Science 23(2):117-124 (May, 2011).
5. Kossi Ayenagbo, **Josphert Ngui Kimatu**, Zhang Jing, Cowbell Evadne and Wang Rongcheng. (2011). The industrial challenges for African countries in the era of globalization and information and communication technology. Journal of Economics and International Finance Vol. 3(3), pp. 168-175, (March, 2011).
6. Kossi Ayenagbo, **Josphert Ngui Kimatu**, Zhang Jing, Sidime Nountenin and Wang Rongcheng, (2011). Analysis of the importance of general agreement on tariffs and trade (GATT) and its contribution to international trade. Journal of Economics and International Finance Vol. 3(1), pp. 13-28, (January, 2011).
7. Kossi Ayenagbo, **Josphert Ngui Kimatu**, James Gondwe and Wang Rongcheng (2011). The transportation and marketing implications of sand and gravel and its environmental impact in Lome-Togo. Journal of Economics and International Finance Vol. 3(3), pp. 125-138, (March 2011)

Year 2010

1. **Josphert N. Kimatu** and Liu Bao (2010). Epigenetic polymorphisms could contribute to the genomic conflicts and gene flow barriers resulting to plant hybrid necrosis (Review). African Journal of Biotechnology Vol. 9(48), pp. 8125-8133, 29, (November, 2010).

2. Qi Xin, **Kimatu Josphert N.**, Li Zhihua, Jiang Lili, Cui Yue and Liu Bao, (2010). Heterotic analysis using AFLP markers reveals moderate correlations between specific combining ability and genetic distance in maize inbred lines. *African Journal of Biotechnology* Vol. 9(11), pp. 1568-1572.
3. Zhang Meishan, **Kimatu Josphert N.**, Xu Kezhang, Liu Bao (2010), DNA Cytosine Methylation in Plant Development. Review. *J. Genet. Genomics* 37 (2010) 1-12.
4. Bao Liu , Chunming Xu, Na Zhao, Bao Qi, **Josphert N. Kimatu**, Jinsong Pang, Fangpu Han. (2010). Rapid genomic changes in Polyploid wheat and related species: implications for genome evolution and genetic improvement. Review. *J. Genet. Genomics* 36 (2009) 519–528.
5. Wambale, J.M., Ni Zhaohui, **Kimatu J.N.**, Fan Li (2010). *Escherichia Coli* (*E.coli*) *phoA* gene inactivation, insertion and restoration based on the λ red system. *African Journal of Microbiology Research* Vol. 4 (10), pp. 903-914.

Year 2009

1. Karanja J, Amugune N. O., Ininda J., **Kimatu J.N.** and Danson J. W (2009). Microsatellite analysis (SSR) of the correlation between molecular and morphological traits in assorted maize inbred lines. *African Crop Science Journal*, Vol. 17, No. 3, 133 – 144.
2. Gao Xiang, Yang Dan, Cao Donghui, Ao Man, Sui Xin, Wang Qinmei, **Kimatu J. N.**, Wang Li (2009). In Vitro Micropropagation of *Freesia hybrida* and the Assessment of Genetic and Epigenetic Stability in Regenerated Plantlets. *Journal of Plant Growth Regulation* 1435-8107.
3. Zhang J. F., **Kimatu J. N.**, Guo W. L. and Liu B. (2009). Habitat fragmentation causes rapid genetic differentiation and homogenization in natural plant populations – A case study in *Leymus chinensis*. *African Journal of Biotechnology* Vol. 8 (15), pp. 3440-3447.

4. M. Li, L. Gong, Q. Tian, L. Hu, W. Guo, **J.N. Kimatu**, D. Wang, B. Liu. (2009) Clonal genetic diversity and populational genetic differentiation in *Phragmites australis* distributed in the Songnen Prairie in northeast China as revealed by amplified fragment length polymorphism and sequence-specific amplification polymorphism molecular markers. *Annals of Applied Biology* 154:1, 43-55.

Year 2006

1. **J.N. Kimatu**, J.K. Koech and H.O. Kojwang. (2006). Leaf-spotting disease on *Grevillea robusta* in Yala and Koderia Forests in Nyanza Province, Kenya. *Journal of East African Natural Resources Management*, pp 144-150. ISSB: 1684-0755.

(i). Published Presentations in International Conferences

1. **Kimatu Josphert (2007)**. Unlocking heterosis: Implications of epigenetic polymorphism by considering maize as both a polyploid and a diploid. 50th Annual Maize Genetics Conference. February 27 – March 1, 2008. Marriott - Wardman Park Washington, D.C. pp. 124, **USA**.
2. **Kimatu, Josphert Ngui (2008)**. Advancing from Biotechnology to Nanotechnology: The current and future potential risks and benefits in agriculture and food products. Proceedings of the 1st all Africa Congress on Biotechnology, Grand Regency, Nairobi, **Kenya**. pp. 509-515.
3. **Dr. Josphert N. Kimatu (9- 11 September 2013)**. The Significant Role of Post-Harvest Management in Farm Management, Aflatoxin Mitigation and Food Security in Sub-Saharan Africa. **South Africa**. (Sponsored by the **Australian Government** and **South Eastern Kenya University (SEKU)**).
4. **Dr. Josphert Kimatu (2018)**. Unsustainable Interactions between livelihoods, rapid urbanization, environmental pressures and food systems in the

sub-Saharan region. 22nd November 2018. International conference, Funded and Sponsored by DAAD, attended by Lukenya university, Machakos University, Umma University

5. **Dr. Josphert Kimatu. (2018).** The Causes and the Molecular Basis of Hydrogen Cyanogenesis Production in Cassava - International conference, Funded and Sponsored by DAAD, at UMMA university Kenya. 23rd November 2018

(j). Acknowledged in following papers (2009-2010)

1. Japhet Wisdom, Zhou Daowei, Zhang Hongxuan, Zhang Hongxiang and Yu Tian (2009). Evidence of Phenotypic Plasticity in the Response of *Fagopyrum esculentum* to Population Density and Sowing Date. *Journal of Plant Biology*, 2009, 303-311.
2. Koroma T. Alphaeus and Rongcheng Wang (2009). The challenges of energy supply for Sierra Leone's economic development. *Journal of Economics and International Finance*, Vol. 1(7), 158-171.
3. Zheng Yiying and Zhang Jingping (2010). Interface Water Catalysis of the Epoxide Opening. *ChemPhysChem*, 2010, 11, 65 – 69.
4. Zheng Yiying and Zhang Jingping (2010). Catalysis in the Oil Droplet/Water Interface for Aromatic Claisen Rearrangement. *J. Phys. Chem. A* 2010, 114, 4325–4333.
5. Zheng Yiying and Zhang Jingping (2010). The origin of the high enantioselectivity and a modified effective catalyst in the asymmetric cyclopropanation for unfunctionalized olefins. *Advanced Synthesis & Catalysis*. Issue 11-12.
6. Xue Yong and Jingping Zhang (2011). A rational design strategy for donors in organic solar cells: the conjugated planar molecules possessing anisotropic multibranches and intramolecular charge transfer. *Journal of Materials Chemistry*, 21, 11159-11166.

(k). Professional Appointments

1. **1st March 2018:** Appointed to the promotions and Appraisal committee of non-teaching staff of South Eastern Kenya University.
2. **1st March 2018:** Appointed member of the management Board for Linkages and International Programmes in South Eastern Kenya University.
3. **27th April 2018:** Appointed to the implementation team of the information security management system (ISMS) for South Eastern Kenya University.
4. **18th April 2018:** Appointed to the management Board of Research, innovation and Technology of South Eastern Kenya University. As guided by Universities statutes part IV (27) (4).
5. **22nd March 2018:** Appointed to the Senate AD-HOC committee on promotions. To approve appointment and promotion criteria for academic staff.
6. **1st March 2018:** Appointed to the committee to write the self-assessment report for SEKU, this was to form the basis of the regular institution quality audit by the Commission of University Education.
7. **1st March 2019:** Appointed as a member of the HIV and AIDS control Committee of South Eastern Kenya University.
8. Appointed as an international coordinator of Biomass Net in the category of Health Food and nutrition **Sept 2018**
9. **27th January 2017** appointed as a member of the staff development committee in the South Eastern Kenya University. The committee is to review staff training requests and aligning them to the university training needs assessment report (2016) and make appropriate recommendations to the management Board for decision.
10. **23rd January – 3rd February 2017.** Appointed into a panel to carry out a quality audit inspection of all universities and university colleges authorized to operate in Kenya. In this exercise, I was in the panel sub group that inspected Kenyatta University, KCA University, Jaramogi Ongiga Ondiga University of science and Technology and Uzima University College.
11. **16th February 2016:** Appointed as member. To the Evaluation Committee for Laboratory Equipment Chemicals and Drugs by the Vice Chancellor, SEKU. The Chairman, Prof Michael Kiptoo
12. **19th January 2016.** Appointed as member in the Management Board of Linkages and International Programmes. By the Vice Chancellor, SEKU, Chairman, Prof Thomas Akuja
13. **27th January 2016:** Appointed To represent SEKU at the Forum for sensitization on the Kenya Science, Technology and Innovation (KESTI) Awards scheme at Embu, KARLO. Sponsored by Ministry of education,

science and technology.

14. **15th October 2015**: Appointed as the Chairman for the Academic Integrity Policy Committee. DVC ARSA to develop a University academic integrity policy
15. **26th May 2016**: Appointment as member to represent the senate in the Promotion and Appraisal AD HOC Committee for Teaching Staff by the Vice Chancellor. The Chairman, Prof, Michael Kiptoo
16. **16th September 2013**: Appointment as a member To the School of Pure and Applied Sciences Board Subcommittee to develop a BSc General Degree. Appointed by Dean of SPAS, Dr. Onesmus Maweu
17. **2nd October 2013**: Appointment as member of the AD HOC committee to develop academic programmes in the school of health sciences by the Vice Chancellor. South Eastern Kenya University. The Chairman, Prof Titus Kanui.
18. **19th April 2016**: Appointed as a Part Time Lecturer at the pan African University, Institute for Basic Sciences, Technology and Innovation (PAUSTI). To teach PhD, Molecular Biotechnology
19. **6th December 2016**: Received a A Renewal of appointment as director of research, innovation and technology for South Eastern Kenya University, by the Vice chancellor, SEKU
20. **8th January 2015**: Appointed as the Director of research innovation and technology, SEKU, by the Vice Chancellor, SEKU
21. **3 July 2014**: Appointment as a Senior Lecturer in Plant Sciences at Kenyatta University.
22. **21st November 2012**: Appointment as the Coordinator HIV and AIDS control unit, South Eastern Kenya University
23. **9th September 2015**: Appointment as a time lecturer to teach population genetics and principles of biochemistry at Machakos university college
24. **31st May 2016**: Appointment as a Part time lecturer to teach survey of the plant kingdom and introduction to ecology and bioanalysis at Machakos university college
25. **17th May 2016**: Appointment as a Part time lecturer to teach Environmental Biochemistry and phytopathogens at Machakos university college.
26. **6th August 2015**: Appointment as a member, to the Committee on HIV and AIDS Control. South Eastern Kenya University, Chair, Prof Zipporah Nganga.
27. **31st October 2014**: Appointment as Part time lecturer to teach general mycology, crop physiology, agricultural botany and microbiology at South Eastern Kenya University
28. **26th January 2015**: Appointment as a Part time lecturer to teach HIV and AIDS, biosafety and intellectual property at South Eastern Kenya University
29. **17th November 2015**: Appointment as a member to the university editorial committee, South Eastern Kenya University Chairman, Osir Otteng

30. **26th August 2014**: Appointment on promotion as senior lecturer grade 13 at South Eastern Kenya university
31. **5th December 2011**: Appointment as a member of the South Eastern Kenya University Exhibition committee by the Vice Chancellor
32. **24th March 2014**: Appointment as a prequalified peer reviewer – contract of 4 years by the Commission for University Education, Kenya.
33. **25th May 2013**: Appointment as the chief guest during the 2014 northern region Kenya science and engineering fair, held on 31 may 2014, at Mulango girls secondary school, Kitui, county, Kenya
34. **8th September 2011**: Appointment as a member to the careering and hospitality subcommittee on the official opening of the office and tuition block phase 1. SEKU. Chair, Dr. Patricia Muendo
35. **14th October 2014**: Appointment as a Motivational speaker at I Can Fly High School, at Machakos. By Sha Givens.
36. **25th June 2014** Appointment as a member of the institutional biosafety committee of South Eastern Kenya University, by the Vice Chancellor
37. **19-23 November 2018**: Appointed to organize an **International Conference** in SEKU, together with Umma university, Machakos University, Lukenya University. This was successfully organized. The Theme of the conference was **harnessing dry land resources for sustainable livelihoods in the era of climate change**.it was held on 19-23 November 2018.

(l). Professional Boosting Awarded Certificates

1. **18th November 2015**. Awarded a Certificate after Training on institutional Biosafety Committee on compliance to biosafety ACT No. 2 of 2009 and its regulations at South Eastern Kenya University sponsored by KEPHIS, National Biosafety Authority and SEKU.
2. **22ND – 26th February 2016**: awarded a certificate as **an Integrity Assurance Officer** after a training at Kenya Forestry Research Institute, Kitui Branch, sponsored by SEKU and EACC
3. **11th – 12 November 2014**: Awarded a certificate as a **University External peer reviewer** after training by the Commission for University Education (CUE) at the Kenya School of monetary studies, Nairobi, Kenya. Have participated in auditing of Universities in Kenya and in accreditation of University programmes with CUE.
4. **2016**: Appointed as a **National Research Proposal Reviewer** by the National Research Fund (NRF) and have participated in the review of national research proposal.

(m). Appointments as a University Examiner

1. **5th February 2019**. Appointed as an internal examiner of John Kyalo Mutua-

A56/MAC/20104/2012, Masters Defense, entitled; **Factors Affecting Goat and Sheep Milk Consumption in Arid and Semi-Arid Lands of Kenya**.at South Eastern Kenya University.

2. **04 September 2018**. Appointed as an **external examiner** of Machakos University.
3. **16th February 2016**, appointed, as a PhD Internal examiner PhD for Enock Warida, Title: **Impact of regional agricultural projects on small farm sector productivity and socioeconomic growth in East Africa**. At South Eastern Kenya University, Kitui, Kenya.
4. **20th January 2016**, Appointed as an MSc, Internal examiner for Esther Ndaisi Kioko, I150/NRB/20361/2013 on the Title, **Effects of light pollution on Hawkmoth distribution, diversity and abundance in Machakos County**, At South Eastern Kenya University, Kitui, Kenya.
5. **9th December 2015**, Appointed as an Internal Examiner for MSc, Thesis on Environmental management. For Esther N. Kioko, reg No. I 1501/NRB/20361/2013 Entitled: **Effects of light pollution on hawkmoth distribution, diversity and abundance in Machakos county**, At South Eastern Kenya University, Kitui, Kenya.
6. **8th December 2015** Appointment as an Internal Examiner for John Musyoki Maluki, A56/MAC/20103/2012 Thesis Title: **Factors affecting adoption of agroforestry practices by smallholder farmers in semi-arid lands in Kenya**, At South Eastern Kenya University, Kitui, Kenya.
7. **25th January 2016**: appointed as an Internal examiner for Mwobobia Royford Muragiri, J56/KIT/20137/2012, Thesis Title: **Challenges facing chicken farmers in Katulani District, Kitui County**. At South Eastern Kenya University, Kitui, Kenya.

(n). Appointments for Postgraduate Supervision for MSc and PhD students

1. **29th March 2016**: appointed as a PhD supervisor As **PhD** Thesis supervisor for NGOM BABA Reg No. MB400-009/15 of Pan Africa university at Jomo Kenyatta University of Agriculture and Technology. [Status: **Completed and graduated, 2018**]

Papers Published:

- a) Baba Ngom, Edward Mamati, Ibrahima Sarr and **Josphert Kimatu. (2018)**. Aluminum toxicity vs salicylic acid effects in pearl millet methylome. Int. J. Adv. Res. 6(4), 517-524. ISSN: 2320-5407. **(April 2018)**
- b) Baba Ngom, Edward Mamati, Mame Fatoumata Goudiaby, **Josphert Kimatu**, Ibrahima Sarr, Diaga Diouf & Ndjido Ardo Kane. **(2018)**. Methylation

analysis revealed salicylic acid affects pearl millet defense through external cytosine DNA demethylation, Journal of Plant Interactions, 13:1, 288-293, DOI: 10.1080/17429145.2018.1473515. (**May 2018**)

- c) Baba Ngom, Ibrahima Sarr, **Josphert Kimatu**, Edward Mamati & Ndjido Ardo Kane. (**2017**). Genome-wide analysis of cytosine DNA Methylation revealed salicylic acid promotes defense pathways over seedling development in pearl millet. Journal of Plant Signaling & Behavior. Taylor & Francis. doi: 10.1080/15592324.2017.1356967. (**July 2017**)

2. **9th August 2016**: appointed as a **MSc** supervisor for master student, Josphine Syanda, Reg No. A56/KIT/20570/2015 in Masters in Agricultural Resource Management, at South Eastern Kenya University, Kitui, Kenya. (status; **Completed, Awaiting graduation**).

Paper Published:

Josephine Syanda, Simon Nguluu, **Josphert Kimatu**, Boniface M. Mwami and David Karanja (**2018**). The effects of physical properties of commonly grown bean (*phaseolus vulgaris* L) genotypes on cooking time in Machakos County, Kenya. (**June 2018**)

3. **19th September 2014**: Appointed as a **MSc** University supervisor for MSc student, Rhoda Kuisa, masters in agricultural resource management. At South Eastern Kenya University, Kitui, Kenya. [Status: **Completed and graduated 2017**].

Paper Published

Rhoda N. Kuisa, **Josphert N. Kimatu**, Titus I. Kanui. (**2017**). Farmers Perception and the Highlights of the Sources of the Chronic Aflatoxin Contamination amongst the Inhabitants of the South-Eastern Region in Kenya. Journal of Advances in Agriculture. Vol 7(1). Pp. 976-987. (**Jan 2017**).

4. **23rd September 2015**: Appointed as **PhD** supervisor for a PhD student, name: Emily Kitivo, Reg No. I1701/MAC/30037/2014 in Environmental management. At South Eastern Kenya University, Kitui, Kenya. [Status:

Completed, awaiting Graduation]

Papers Published:

- a) Emily Kitivo, Gedion H Nyamasyo, **J.N. Kimatu** and Peter N. Ndegwa, **(2016)**. Diversity and abundance of subterranean termites' engineers' islands of soil quality in different land cover types. Journal of Biodiversity and Ecological Sciences Vol. 5, Issue 3 ISSN: 2008-9287. **(July, 2016)**
- b) Kitivo EN, Nyamasyo GH, Kimiti JM, **Kimatu JN. (2018)**. Effects of Agro ecosystem Land Use Types on the Diversity, Abundance and Ecosystem Functions of Insect Pollinators. Expert Opin Environ Biol 7:1. doi: 10.4172/2325-9655.1000150. **(February 2018)**

5. **5th February 2018**: Appointed as supervisor for A PhD student Festus Mbatha Mutiso- E70/MAI/30020/2013 in the school of Environment and Natural Resource Management at South Eastern Kenya University. The Title of the research is Phenological characteristics, wool yield and quality of selected provenances of *Calotropis Procera* in the South Eastern Dryland of Kenya. [status; **Analyzing Data**]

Paper Published:

- a. Festus Mbatha Mutiso , Jacinta Kimiti , Alice Muchugi , Agnes Gachuiiri , Ramni Jamnadass , Jianchu Xu , **Josphert Kimatu (2017)**. Introduction from the Wild and Growth Characterization of Three Provenances of *Calotropis procera* (Ait) in a Domesticated State in Dry lands of South Eastern Kenya. Journal of Natural Sciences Research www.iiste.org, ISSN 2224-3186 (Paper) ISSN 2225-0921 (Online) Vol.7 No.24.
6. **30th June 2016**: Appointed as **MSc** Supervisor for a master student, Judy W. Wachira, Reg. No. A56/MAC/20411/2013 for masters in agricultural resource management on the Title: **an evaluation of different agro waste materials as substrates for the cultivation of oyster mushrooms (pleurotus spp) in semi-arid areas of Kenya**. At South Eastern Kenya University, Kitui, Kenya. Funded by NRF for the project 2018 [status: **Collecting Data**]

(o). Other Post Graduate University Students at Lecturer level

1. PhD. Level (2009)

Co- supervisor: Prof Liu Bao

Student: Zhang J. F., of China

University: Northeast Normal University, China.

Title of the Thesis: Habitat fragmentation causes rapid genetic differentiation and homogenization in natural plant populations – A case study in *Leymus chinensis*.

Published in: African Journal of Biotechnology (2009). Vol. 8 (15), pp. 3440-3447.

Completed and graduated.

2. Masters Level (2009-2012)

Co- Supervisor: Prof Liu Bao

Student: Rebecca Simisola Agboola of Nigeria

University: Northeast Normal University, China.

Title of the Thesis: Morphological and cytosine DNA methylation changes induced by the alleviating effects of Boron (B) and Salt toxicity in *Sorghum bicolor* inbred line.

Published: African Journal of Biotechnology (2012)- **Completed and graduated**

Published: Agboola Rebecca S., **Kimatu Josphert N.**, Liao Yu-Cai and Liu Bao. (2012). Morphological and cytosine DNA methylation changes induced by a combined effect of boron (B) and salt toxicity in *Sorghum bicolor* inbred line. African Journal of Biotechnology Vol. 11(48), pp. 10874-10881. (14 June, 2012).

3. Masters Level (2011)

Co- Supervisor: Prof Liu Bao

Student: Samuel Manthi of Kenya.

University: Northeast Normal University, China.

Title of the Thesis; Genomic changes triggered by abiotic stress and cytosine DNA methylation polymorphism in rice varieties. **Completed and graduated**

Workshops, Training and Symposiums attended

1. **2nd – 4th May 2017.** Research Skills and Proposal writing at South Eastern Kenya University, sponsored by Nuffic- NICHE
2. **14th June 2016:** National Research Fund stakeholder workshop: Held at the KICC, Nairobi, Kenya.
3. **19th – 24th June 2016** Workshop on an approach for sustainable livelihood in the ASALs (ASALI):at the Eserian Hotel, Naivasha
4. **22nd November 2016:** National Research fund strategic plan, stakeholders' validation workshop at the Nairobi safari club hotel, Kenya
5. **20TH - 23RD October 2016:** Workshop called MOORE LANDSCAPE 2056, **28th April 2015:** Kenya National nanotechnology policy validation workshop at Nairobi Safari Club Organizers: National Commission for Science and Technology.
6. **7th March – 9th March 2016:** Workshop entitled: Reconciling human need and nature conservation in East African forest biodiversity hotspots at the National Museums of Kenya. sponsored by the DAAD, Technical University

- of Munich.
7. **22ND – 26th February 2016**: Integrity Assurance Officer Training at the Kenya Forestry Research Institute, Kitui Branch, sponsored by SEKU and EACC.
 8. **16th -17th September 2015**: Edulink II Project fed 2013/320-148: Enhancing nutrition and food security through improved capacity of agricultural higher education institutions in East and Southern Africa- stakeholders workshop on effective teaching of agricultural sciences in higher institutions of learning. Venue: Kenya Forestry Research Institute, Kitui Regional Center. Sponsored by EU, SEKU.
 9. **18th November 2015**: Training on institutional Biosafety Committee on compliance to biosafety ACT No. 2 of 2009 and its regulations at South Eastern Kenya University, Sponsored by KEPHIS, National Biosafety Authority and SEKU.
 10. **25th November 2015**: Joint AAUN Australia Awards Agricultural Research Symposium at Nairobi, Southern Sun Mayfair Hotel, Parklands. Sponsored by the University of Sydney.
 11. **8th -10th October 2014**: Mining and agriculture symposium held at Speke Resort Munyonyo, Uganda, sponsored by the University of Sydney
 12. **15th May 2014**: Molecular biology training workshop on automation for research and diagnostics in molecular biology held at Chiromo, the university of Nairobi, sponsored by QIAGEN.
 13. **6th June 2013**: Disability mainstreaming workshop at the South Eastern Kenya University LT, sponsored by the National Council of persons with disability
 14. **23rd Oct 2016**: Visions for the development of the metropolitan region Munich in the next 40 years at Freising, Munich, Germany sponsored by DAAD.

(p). Research Funding attracted

SN	Researchers	Title of Project	Funders - Date	Amount
1.	Prof Geoffrey Muluvi, Festus Mutiso, Dr. Carol Hunja, Dr. Johnson Kitheka, Dr. Josphert Kimatu	Development of Moriga for improved health, nutrition and household water purification	NRF (FY 2017/2018)	Kshs 15,250,000
2.	Judy Wachira (Master	An evaluation	NRF- (FY	Kshs 403,100

	Student) , , Dr. Simon Nguluu, Dr. Josphert Kimatu	of different agronomic materials and <i>Melia Volkensii</i> leaves as substrate for the cultivation of oyster mushrooms in the semi-arid areas of Kenya	2017/2018)	
3.	SEKU, Moi University, vrije universiteit (VU), Collaborators' with PI: Prof Mburu, Prof Nangulu and Deniis as lead contact persons	A sustainable approach to livelihood improvement through innovative agricultural practices in Kenya (ASALI)	2015-2018	60,000 euro
4.	University lead Scientists Prof Jan Habel TUM, Dr. j. Kimatu, SEKU. Prof Shauri, Pwani, Prof Maryanne, Taita Taveta, Dr. Ronald Mulwa, NMK.	Reconciling conservation with human activities and Biodiversity and conservations mapping	2015-2019	20,000 euro
5.	Emily Nduku Kitivo (PhD student), Dr. Jacinta Kimiti, Prof Nyamasho	Effects of Agro ecosystem Land Use Types on the Diversity, Abundance and Ecosystem Functions of Insect Pollinators	NACOSTI (2015-2018)	Kshs 830,000
6.	Dr. Josphert Kimatu	Maize Varieties Kernel aflatoxin	Australian government, 2012-2013	AUD 5000

		mitigation research in Kenya,		
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(q). University Programmes Developed

1. Bachelor of Science in Medical Botany: Approved by South Eastern Kenya University Life Sciences Department, School of Pure and Applied Sciences, The Dean Committee and the University Senate
2. Masters in Biotechnology in South Eastern Kenya University
3. Digitalized a full online course Unit in HIV and AIDS
4. Digitalized a full online course Unit of Mycology
5. Highly involved in the development of Master and Bachelor Programmes in the school of Health and Nursing in South Eastern Kenya University

(r). Other University Responsibilities involved

1. **May 2018**; Acted as the Director of Linkages and international programmes when the Director was on leave.
2. **2017 May - September**; acted as the Director of Post graduate studies when the Director was on leave.
3. **January, 2012**, appointed as the associate dean of students of South Eastern University College, a constituent College of Nairobi University.
4. **Sept 2011**: Appointed as the Chairman for the AIDS control Unit (ACU) of South Eastern University College.
5. **April 2011**: Appointed to act as the Chairman of the Department of Biological Sciences of the South Eastern University College.
6. **Oct 2010-2011**: Performed delegated duties of the Dean of Pure and Applied Sciences and represented the school in several Academic Board meetings.
7. **April 2011**: was appointed as a member of the South Eastern University College Exhibition Committee.
8. **Dec 2010- July 2011**: Involved in the writing and defense of the strategic plan for the University and the School of Pure and Applied Sciences.
9. **Jan- April 2011**: Involved in developing process of establishing a Scientific Journal for South Eastern University College called SEUJOSAT.
10. **Oct. 2011**: Appointed as the Presiding officer for the Machakos and Emali campuses of South Eastern University College for the South Eastern University College Student Organization (SEUSO).
11. **5th May 2011- 22nd July 2011**: coordinated the establishment of a memorandum of Understanding (MOU) between South Eastern University College (SEUCO) and Northeast Normal University (NENU).

12. **2010- 2015:** involved in the defense of proposed Biological department academic degree programs in diploma, bachelor and post graduate levels in the department, school and academic boards.
13. **Oct 2015:** Instrumental in the development and the administration of a HIV/AIDS short courses for the School of pure and applied sciences in collaboration with national bodies like KARA, NACC and NASCOP, Aphia Plus Kamili.

(s). Local Seminars and workshops I have presented and attended in 2011

1. 4th March 2011, submitted a paper at Intercontinental Hotel in Nairobi, entitled “Exploiting the resources in the South Eastern Region” to investment delegates from Makueni, Machakos, and Kitui District, at South Eastern Region Investment Conference (SEICO) preparatory meeting. **(Self-sponsored).**
2. 12th March 2011 at Park side Villa, Kitui Town, presented a concept paper entitled, “Investment Strategies for Sustainable Development of Kitui County” to the Kitui County development steering committee and other delegates from Kitui County. The developers of the paper included Prof E. Mathu, Prof. Mutua F., Dr. Jacinta Kimiti, Dr. Muli B.K., Dr. Kimatu J.N., Dr. Kitheka J. , Eng. Kituu Gareth, Josiah Ngula. **(Self-sponsored).**
3. 17th March 2011, presented a Paper called, “The WATHI MWEU investment concept” to leaders of the Maendeleo ya Wanawake from all over the Kitui County at Maendeleo ya Wanawake hall in Kitui Town. **(Self-sponsored).**
1. 18th March 2011, attended a presummit seminar of the Kitui, Machakos and Makueni County on “unlocking the investment potential of the South Eastern Region” at Machakos Golf Club. I presented the Kitui County investment priorities as envisaged in the “WATHI MWEU investment concept”. **(Self-sponsored).**
2. 26th March 2011, attended and presented the investment priorities of Kitui County to a a Kitui County pre-summit workshop in Kitui Town, which also discussed the SWOT for the investment strategies at the park side villa, Kitui Town. **(Self-sponsored).**
3. 2nd April 2011, Attended the final persummit meeting in Kitui Town, evaluated the exhibitors, logistics and publicity committees reports and set the way

- forward. **(Self-sponsored)**.
4. 6th April 2011, Attended the SEICO 2011 organizing committee meeting at Machakos golf club to evaluate the logistics and set up the conference programme. **(Self-sponsored but given 1 K by prof. Mathu)**.
 5. 18th May 2011, attended a workshop on the establishment of the Kenya Microbial Culture Collection Centre (KMCCC), at KWS headquarters, Nairobi, sponsored by the Leibniz-Institut DSMZ-Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH. Key presentation by Dr. Dagmar Fritze of DSMZ, of Germany. **(Self sponsored)**.
 6. 7th April 2011 presented a paper entitled “Investment Strategies for Sustainable Development of Kitui County” at the 2011 SEICO Conference at Kenyatta Stadium, Machakos. **(Sponsored by SEUCO)**.
 7. 8th April 2011, Presented a paper entitled’ Unlocking the Commercial Fruit Production in South Eastern Region” at the 2011 SEICO Conference at Kenyatta Stadium, Machakos. **(Sponsored by SEUCO)**.
 8. 8th April 2011, introduced and explained the role and prospects of the South Eastern University College (A constituent of Nairobi Univesity) to the Kenya’s Vice President, Mr Stephen Kalonzo Musyoka at its stand at the SEICO 2011 Conference at Kenyatta Stadium, Machakos. **(Sponsored by SEUCO)**.
 9. June 2011, Participated in the Kenya Forest Research Institute open day at Kitui KEFRI station and represented the South Eastern University College in the displaying of its strategic potential in collaboration and partnership in research and innovation. **(Sponsored by SEUCO)**.
 10. 21st June 2011. Participated in the advertisement and promotion of South Eastern University College (SEUCO) Programs and future strategic plans at an invited award ceremony gathering of 17 schools at St Charles Lwanga in Kitui Town. **(Sponsored by SEUCO)**
 11. June 28th 2011, Participated in an Agricultural Show exhibitors meeting at ASK grounds at Machakos, to deliberate on the; constrains, regulations, and motivation of exhibitors for the ASK shows and to form networking for collaboration and research for various sectors. **(Sponsored by SEUCO)**
 12. June 30th – July 2011. Participated in the Agricultural Show for the South Eastern Region at Machakos Town. In the stand to exhibit the South Eastern University College programs and products. We won the Best institution of

higher Education award in the exhibition. The theme was, “Driving Agribusiness in Attaining Food Sufficiency and Vision 2030. . **(sponsored by SEUCO and partly self sponsored)**

13. September 15, 2011, 12:30–2:30pm, at the University of Eastern Africa, Baraton, Nairobi Extension Centre. (Behind Yaya Center), Attended a Grand Challenges Explorations Workshop, called, Grand Challenges Exploration (GCE) Promotional Workshop Program UEAB, Nairobi Extension Centre. **(sponsored by SEUCO)**

14. Attended a professional interactive seminar at the Garden Hotel, Machakos on ethnic diversity conversations of the Lower eastern region on 29th October 2011, on the theme: Deconstructing our past differences to construct a shared future. It was organized by National Cohesion Integration commission (NCIC). **(sponsored partly by NCIC)**

15. Attended a Kenya alliance of Resident Associations (KARA) public forum on HIV/AIDS-10, at Machakos Town, Garden Hotel, on 10th November 2011. The seminar was supported by National AIDS control Council (NACC) The theme was Human rights and people living with HIV/AIDS. **(self-sponsored)**

(t). Other Symposiums and Seminars Attended and presented

March 20th 2007 by Prof Li Huang, Ph.D. Virus-Induced Gene Silencing for Functional Analysis in Monocots, Evolution of new disease specificity at a simple resistance locus in a weed-crop complex.

28th May 2007. 'Studies on centromere specification and the artificial chromosome platforms in maize'. By Dr James Bircher from University of Missouri-Columbia USA.

28th May 2007. 'Mitochondrial genomes and mutations in zea'. By Dr. Kathleen Newton of University of Missouri-Columbia USA.

30th May 2007- 26th June 2007. Dr. Jiming Jiang from University of Wisconsin Madison USA. on a one-month long seminar on the following topics. History of epigenetics research, DNA Methylation, Histone modification, Histone variants, RNA Interference, Position-effect variegation, RNAi and heterochromatin, X chromosome inactivation, Centromere function, Epigenetics and polyploid evolution, Paramutation, Imprinting.

29th May 2007: Topics: Molecular and cellular analysis of leaf senescence, Biology of the plant cell, Biosynthesis and functions of tocopherols (V_E) by Prof Karin Krupinska from University of Kiel Germany.

29th May 2007 Topic: Studies on Environmental techniques by: Dr. Luis Edgar Lowe, from the University of Colorado USA.

31st May 2007. The topics: Uncoupling protein in the alga *Chlamydomonas reinhardtii*. 'Potential uses of Microalgae for food and fuel' by :Dr. Sandra Lee Berry-Lowe From the University of Colorado USA

7-8th December 2007. An International symposium on Chloroplast Genomics and Genetic Engineering at Changchun China. Speakers like, Drs; Henry Daniell (USA), Oscar Ruiz (USA), Jackie Nugent (Ireland), Manuel Dubald (France), Rudolf Hagemann (Germany), Zanmin Hu (China) Anil Day (UK), Andreas lossi (Austria) . Topics: Chloroplast derived vaccines and biopharmaceuticals, plastid genome models, cytoplasmic male sterility, hyper accumulation system for phytoremediation of heavy metals. At Jilin Agricultural University Changchun, China.

2008年3月17日—3月26日 by Prof Jurij Piškur of Cell and Organism Biology, Lund University, Sölvegatan, Topics: Degradation of nucleic acid precursors (TIG 2007 article), Deoxyribonucleoside kinases: (i) structure-function relationship, (ii) diversity, (iii) gene therapy and green chemistry (TIBS 2005), Yeast comparative genomics and evolution (TIG 2006).

March 2008 by Prof Jihong Liu Clarke of USA. Topic: *Agrobacterium tumefaciens*-mediated transformation of poinsettia, *Euphorbia pulcherrima*, with virus-derived hairpin RNA constructs confers resistance to Poinsettia mosaic virus , [paper was accepted: 20 February 2008 ; Springer-Verlag 2008.]

6th July 2008 by Prof Jihong Liu Clarke of USA. Topic: maize transformation using *Agrobacterium tumefaciens*-mediated protocols. The future of transformation.

10th February 2009. Prof. Silin Zhong, PhD of University of Nottingham, UK. Plant molecular and cell Biology development biology, plant hormone signaling and epigenetics, fluorescence imaging, protein interaction and microarray analysis: seminar on RNA methylation, a new player in epigenetics; A novel post-transcriptional mRNA modification essential for growth and differentiation.

10th Tuesday, March 2009. Dr. Jagmeet Singh Kanwal, of Georgetown University,

USA. Studies on functional organization of the brain and neural coding of sensory information. The model of bats in learning communication through speech, music and non verbal sounds. Neural Analysis of Social communication in bats.

21st April 2009. Genome analysis seminar: High throughput sequencing using GS FLX sequencing system. Use of oxy-luciferin in sequencing. Transfection and cytotoxicity of cell assays Nucleic acid amplification, transcriptor cDNA . synthesis, X celligence system (Teal Time cell analyzer; RTCA), microarray analysis platforms like CGH, ChiP-chip, DNA methylation, Comparative Genome sequencing, hybridization and gene expression. Sponsored by ROCHE; www.roche-applied-science.com. at Jilin University Changchun China.

23rd April 2009. Cell and nucleic acid analysis seminar: The management of cell culture, use of media like, EMEM, CDM, DPBS etc. The use of supplements like, L-Glutamine, trypsin, tryLE etc. The analysis of Gene Expression: cell free expression systems, enhanced expression systems in eukaryotes, yeast, insect, viral and mammalian systems. Use of fluorescent protein vectors. Transient transfection for rapid protein production. Sponsored by invitrogen. www.invitrogen.com.cn

27th April 2009. Prof Diter Von Wittstein of Washington State University USA. Seminar Topics: Map based cloning, Function, transformation, Resistance patterns; Rpg5 and rpg4 genes in barley resistance against *puccinia graminis*, Clone based mapping.

25th May 2009. Molecular Advances in cotton research from Prof. Wendals Laboratory in USA. Title: Characterizing changes of Rubisco genes in the polyploidization of Cotton (*Gossypium*). Rubisco: Ribulose 1,5 biphosphate carboxylase/oxygenase. By Gonglei. At Northeast Normal University, Changchun China.

25th September 2009. The importance of phytochlorophyllide oxidoreductase into etioplasts and chroloplasts. By Prof Diter Von Wettstein, From Barley Genetics Washington University , USA.

28th September 2009. Artificial MicroRNAs for gene silencing. By Prof Diter Von Wettstein, From Barley Genetics Washington University , USA.

30th September 2009. Metabolic Engineering Of Maize Carotenoid Content Through Combinatorial Genetic Transformation. By Prof Changfu Zhu. From *Departament de Produccio Vegetal i Ciencia Forestal, Universitat de Lleida, Av. Alcalde Rovira Roure, 191, 25198, LLEIDA, Spain*

9th October 2009. Biofortification of essential minerals and vitamins in higher plants: strategies, achievements and prospects. By Prof Changfu Zhu. From *Departament de Produccio Vegetal i Ciencia Forestal, Universitat de Lleida, Av. Alcalde Rovira Roure, 191, 25198, LLEIDA, Spain*

22nd October 2009. Centromere inactivation and reactivation reveal both genetic and epigenetic components for centromere specification. By Prof. Han Fangpu, from State Key Laboratory of Plant Cell and Chromosome Engineering, Institute of genetics and developmental biology, Chinese academy of sciences, Beijing 100101, China

15th April 2010. Molecular studies in bread wheat and in Jute. Polymorphism Studies Using EST-SSRs. Association Mapping: Markers & Genotypes. Disrupted Meiosis cDNA1 (DMC1). Targeting DEMETER. By Dr. Sachin Rustgi (to be awarded with the Indian government presidential award for excellent researcher 2010). From Washington State University, Pullman, USA.

16th April 2010. Bioinformatics in genome molecular studies. “*In silico* biology: Time to go digital”. Tools & databases for Genomics. Analysis of TILLING mutants. CpG island identification. Designing of amiRNAs. Development of Molecular Markers (SSRs and SNPs) from wheat ESTs. By Dr. Richa Gemini from Washington State University Pullman (WA) USA

20th - 21st May 2010; Neocentromere formation, Cenchromation (CENH3), DNA cytosine methylation, Fiber Fish, BAC Marker, Pachytene FISH , Fiber FISH of cpDNA, Extended chromatin fibers, immuno fluorescence assays on chromosomes, Superstretched pachytene, 5 Methylcytosine on fibers. By Prof Jiang Jiming, Ph.D., Kansas State University, 1993, Postdoctoral Research: Yale University; Professor of Horticulture.

(u). International Seminars and workshop presented

1. **19th – 23rd November 2018**, International conference on **Science Technology and Innovation For Sustainable Development In Dryland Environments**. At Umma University, Kenya. Sponsored by DAAD.
2. **3rd- 4th December 2018**, GlobE Pan African conference at Sawela Lodge Naivasha, Kenya, by DAAD partners in East Africa. Discussing on the 5 year research activities.
3. **22th-26th September 2008** Presented a paper entitled “**Advancing from Biotechnology to Nanotechnology, the current and Future Benefits in**

Agriculture and Food products " in the First all Africa Congress in Biotechnology in Nairobi Kenya.

4. 11th August 2008. Came from China to Present a seminar entitled “ **Advances in Molecular marker selections in crop Breeding**” with aspects of epigenetics and nanotransfer of genes in crops to researchers and professional at Kenya Agricultural research institute (KARI), at Katumani Station , Machakos, Kenya.

(v). Crucial Extra Curriculum Activities Undertaken in SEKU

1. Dr. Josphert Kimatu has been the Patron of the Christian Union of South Eastern Kenya University from 2011 to date.
2. Dr. Josphert Kimatu is the current patron on Ethics and Integrity club in SEKU.
3. Dr. Josphert Kimatu has being a Mentor of Teaching practice education students in SEKU and also went for teaching practice to supervise SEKU students in the field.
4. Dr. Josphert Kimatu established MOUs with National Museums of Kenya and SEKU, NENU and SEKU.
2. Dr. Josphert Kimatu has been a great contributor of the Deans Committee and Senate of the South Eastern Kenya University

(w). Motivation Talks and Trainings I offered

1. **30 January 2018** At Mbitini Girls High school, Kitui County. Topic: demystifying science subjects
2. **20-22 March 2018** Training of Ethics, Integrity and anticorruption to South Eastern Kenya University, Management, Staff and students at Kitui County, Kenya.
3. **28 March 2018** Training on HIV and AIDS to students of South Eastern Kenya University, doing the cultural week, at the main Campus, Kitui.

(x). Plants / organisms which I have done research on:

SN	Plant Name	Year of research	Main use of the plant	Journal Published

1.	Maize (<i>Zea mays</i>)	2007, 2009, 2010	Food crop/fodder	African Journal of Biotechnology Vol. 9(11), pp. 1568-1572, 15 March, 2010.
2.	Sorghum (<i>Sorghum bicolor</i>)	2010, 2011	Food crop/biofuel	African Journal of Agricultural Research Vol. 6(19), pp. 4579-4593; J. Genet. Genomics 37 (2010) 1-12.
3.	Cotton	2011	Fiber crop	African Journal of Biotechnology Vol. x(xx), pp. Accepted , 2011.
4.	<i>Grevillea robusta</i>	1993-1999, 2011	Forest tree/ agroforestry tree	Journal of Tropical Forest Science 23(2):117-124
5.	<i>Phragmites australis</i>	2009	Cover crop/ fodder	Annals of Applied Biology 154:1, 43-55.
6.	<i>Escherichia Coli</i>	2010	A bacterium for genetic engineering	African Journal of Microbiology Research Vol. 4 (10), pp. 903-914, 18 May, 2010
7.	Wheat (<i>Triticum aestivum</i>)	2009	Food crop	Review, J. Genet. Genomics 36 (2009) 519–528
8.	<i>Fagopyrum esculentum</i>	2009	Cover crop	Journal of Plant Biology, 2009, 303-311
9.	<i>Leymus chinensis.</i>	2009	Cover crop/fodder	African Journal of Biotechnology Vol. 8 (15), pp. 3440-3447.
10.	Rice (<i>Oryza sativa</i>)	2006-2010	Food crop	Review, J. Genet. Genomics 37 (2010) 1-12
11.	<i>Freesia hybrida</i>	2009	flower	Journal of Plant Growth Regulation 1435-8107.
12.	Barley (<i>Hordeum brevisubulatum</i>)	2009-2010	Food crop	In preparation
13.	<i>Arabidopsis thaliana</i>	2010	The scientific model plant	Review, J. Genet. Genomics 37 (2010) 1-12
14.	<i>Phaseolus Vulgaris</i>	2014	Bean	Journal of Advances in Agriculture, Vol 3, No 1, pp 102-109. ISSN 2349-0837
15.	<i>Dalbergia melanoxydon</i>	2015	A economic carving tree	Current Research in Agricultural Sciences, 2015,

(y). Referees

1. Prof. Geoffrey M. Muluvi,
Vice Chancellor
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2. Prof. Francois du Toit
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Changchun University,
China. Sociology Professor
Originally from South Africa
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3. Prof. Zipporah Ng'ang'a
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4. Prof. Reuben Muasya
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5. Dr. Zheng Yiyong,
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Research Scientist, Computational Enzyme Engineer
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6. Prof. Liu Bao
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Laboratory of plant Molecular Epigenetics,

Renmin Street 5268, Zip, 130024
Changchun, China.
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(z). Dr. Josphert Kimatu Profile Appendix

Sn	Date	Qualification	Item Title	Venue	Organizers
1.	16 th February 2016	PhD Internal examiner	PhD for Enock Warida, Impact of regional agricultural projects on small farm sector productivity and socioeconomic growth in East Africa	SEKU	Board of Post Graduate studies
2.	28 th April 2015	Director of Research Innovation and Technology	Kenya National nanotechnology policy validation workshop	Nairobi Safari Club	National Commission for Science and Technology
3.	7 th March – 9 th March 2016	Senior Lecturer and presenter of topic on drylands biodiversity	Workshop entitled: Reconciling human need and nature conservation in East African forest biodiversity hotspots	National Museums of Kenya	DAAD, Technical University of Munich
4.	16 th -17 th September 2015	Director of research, innovation and Technology	Edulink II Project fed 2013/320-148: Enhancing nutrition and food security though improved capacity of agricultural higher education institutions in East and Southern Africa- stakeholders workshop on effective teaching of agricultural sciences in higher institutions of learning	Kenya Forestry Research Institute, Kitui Regional Center	EU, SEKU
5.	18 th November 2015	Senior Lecturer	Training on institutional Biosafety Committee on compliance to biosafety ACT No. 2 of 2009 and its regulations	SEKU	KEPHIS, National Biosafety Authority and SEKU
6.	22 ND – 26 th February 2016	Senior Lecturer , Director of	Integrity Assurance Officer Training	Kenya Forestry Research	SEKU, EACC

		Research Innovation and Technology		Institute, Kitui Branch	
7.	2 nd January 2016	Motivation Speaker in Academics	Soma Youth Rally	VCC, Kasinga	VCC
8.	16 TH February 2016	Appointment	To the Evaluation Committee for Laboratory Equipment Chemicals and Drugs	Vice Chancellor, SEKU	Chair, Prof Michael Kiptoo
9.	19 th January 2016	Appointment	To the Management Board of Linkages and International Programmes	Vice Chancellor, SEKU	Chair, Prof Thomas Akuja
10.	27 th January 2016	Appointment	To represent SEKU at the Forum for sensitization on the Kenya Science, Technolohy and Innovation (KESTI) Awards scheme	Embu, KARLO	Ministry of education, science and technology.
11.	20 th January 2016	Appointment as an MSc, Internal examiner	Of Esther Ndaisi Kioko, I150/NRB/20361/2013 on the Title, Effects of light pollution on Hawkmoth distribution, diversity and abundance in Machakos County	SEKU, Research and Office Board Room	SEKU
12.	25 th November 2015	Director of Research Innovation and Technology	2015 Joint AAUN Australia Awards Agricultural Research Symposium	Nairobi, Southern Sun Mayfair Hotel, Parklands	University of Sydney
13.	9 th December 2015	Appointment as an Internal Examiner	For MSc, Thesis on Environmental management. For Esther N. Kioko, reg No. I 1501/NRB/20361/2013 Entitled: Effects of light pollution on hawkmoth distribution, diversity	SEKU, Research and Office Board Room	SEKU

			and abundance in Machakos county.		
14.	8 th December 2015	Appointment as an Internal Examiner	For John Musyoki Maluki, A56/MAC/20103/2012 Thesis Title: Factors affecting adoption of agroforestry practices by smallholder farmers in semi-arid lands in Kenya	SEKU, Research and Office Board Room	SEKU
15.	15 th October 2015	Appointment as Chairman	To the Academic Integrity Policy Committee	DVC ARSA	To develop a University academic integrity policy
16.	26 th May 2016	Appointment	To the Promotion and Appraisal AD HOC Committee for Teaching Staff	Vice Chancellor	Chair, Prof, Michael Kiptoo
17.	6 th June 2013	Senior Lecturer	Disability mainstreaming workshop	South Eastern Kenya University LT	National Council of persons with disability
18.	16 th September 2013	Appointment	To the School of Pure and Applied Sciences Board Subcommittee to develop a BSc General Degree	Appointed by Dean of SPAS, Dr. Onesmus Maweu	SEKU
19.	2 nd October 2013	Appointment	To the AD HOC committee to develop academic programmes in the school of health sciences	Vice Chancellor. South Eastern Kenya University	Chair, Prof Titus Kanui
20.	14 th June 2016	Director of Research Innovation and Technology	National Research Fund stakeholder workshop	KICC, Nairobi	
21.	19 th – 24 th June 2016	Senior Lecturer	Workshop on ASALI	Eserian Hotel, Naivasha	

22.	6 th September 2016	Appointment as Director of research innovation and technology	Australia awards in Africa short course awards consultancy services	Australian department of foreign affairs and trade (DFAT)	NRF
23.	22 November 2016	Director of Research Innovation and Technology	National Research fund strategic plan, stakeholders' validation workshop	Nairobi safari club hotel, Kenya	
24.	20 TH - 23 RD October 2016	Director of Research, Innovation and Technology	Workshop called MOORE LANDSCAPE 2056, Visions for the development of the metropolitan region Munich in the next 40 years	Freising, Munich, Germany	DAAD
25.	7 th August 2016	Certificate	prepare for career success at university	Goldsmiths, University of London	online
26.	29 th March 2016	Appointment	As PhD Thesis supervisor for NGOM BABA Reg No. MB400-009/15 of Pan Africa university	JKUAT, Nairobi, Kenya	Biotechnology
27.	19 th April 2016	Appointment	Part time Lecturer at the pan African University, Institute for Basic Sciences, Technology and Innovation (PAUSTI)	SEKU, Research and Office Board Room	PhD, Molecular Biotechnology
28.	25 th January 2016	Appointment as Internal Examiner	for Mwobobia Royford Muragiri, J56/KIT/20137/2012, Thesis Title: Challenges facing chicken farmers in Katulani District, Kitui County	SEKU	SEKU
29.	6 th December 2016	Appointment	Renewal of appointment as director of research, innovation and technology	Vice chancellor, SEKU	

30.	9 th August 2016	Appointment	As supervisor of a master student, Josphine Syanda, Reg No. A56/KIT/20570/2015 in Masters in Agricultural Resource management	DVC ARSA, seku	
31.	8 th January 2015	Appointment	Director of research innovation and technology, SEKU	Vice Chancellor, SEKU	
32.	30 th June 2016	Appointment as Supervisor	For a masters student, Judy W. Wachira, Reg. No. A56/MAC/20411/2013 for masters in agricultural resource management on the Title: an evaluation of different agro waste materials as substrates for the cultivation of oyster mushrooms (pleurotus spp) in semi-arid areas of Kenya.	DVC ARSA, SEKU	
33.	3 July 2014	Appointment	Senior Lecturer	Kenyatta University	
34.	21 st November 2012	Appointment	Coordinator HIV and AIDS control unit	SEKU	
35.	9 September 2015	Appointment	Part time lecturer to teach population genetics and principles of biochemistry	Machakos university college	
36.	7 December 2014	Certificate	Academic integrity: values, skills action	The university of Auckland	online
37.	11 th – 12 November 2014	Certificate	University External peer reviewers training	Commission for university education at the Kenya School of monetary	

				studies, Nairobi, Kenya	
38.	23 rd November 2014	Certificate	How to succeed at interviews	University of Sheffied	online
39.	31 st May 2016	Appointment	Part time lecturer to teach survey of the plant kingdom and introduction to ecology and bioanalysis	Machakos university college	
40.	17 th May 2016	Appointment	Part time lecturer to teach Environmental Biochemistry and phytopathogens	Machakos university college	
41.	6 th August 2015	Appointment	To the Committee on HIV and AIDS Control	SEKU	Chair, Prof Zipporah Nganga
42.	31 st October 2014	Appointment	Part time lecturer to teach general mycology, crop physiology, agricultural botany and microbiology	South Eastern Kenya University	
43.	26 th January 2015	Appointment	Part time lecturer to teach HIV and AIDS, biosafety and intellectual property	South Eastern Kenya University	
44.	17 th November 2015	Appointment	To the university editorial committee	South Eastern Kenya University	Chair, Osir Otteng
45.	23 rd September 2015	Appointment	As supervisor for a PhD student, name: Emily Kitivo, Reg No. I1701/MAC/30037/2014 in Environmental management		
46.	17 th September 2014	Award	A patent (KE/U/2014/000451) for low cost smoked pots for water purification	Ratio of 40:40:20	
47.	2014	Award	Research Journal publication for the year		

			2013/2014 at South Eastern Kenya University		
48.	26 th August 2014	Appointment	Appointment on promotion as senior lecturer grade 13	South Eastern Kenya university	
49.	17 th July 2013	Appreciation	Appreciated by the university management for a great role played as a member of the exhibition committee	Vice, Chancellor	
50.	5 th December 2011	Appointment	Member of the South Eastern Kenya University Exhibition committee	Vice Chancellor	
51.	30 th January 2012	Appreciation	Appreciated by the university management for successfully applying for book funding from global literacy project worth Kshs 12m for SEKU.	Vice, Chancellor	
52.	24 th March 2014	Appointment	As a prequalified peer reviewer – contract of 4 years	Commission for University Education	
53.	25 th May 2013	Appointment	As the chief guest during the 2014 northern region Kenya science and engineering fair	Held on 31 may 2014 , at Mulango girls secondary school, Kitui, county	
54.	9 th September 2014	Award	National environmental trust fund (NETFUND) green innovations award, for the water purification category	Kenya first lady, Margaret Kenyatta at safari park, Nairobi.	
55.	8 th September 2011	Appointment	To the careering and hospitality subcommittee on the official opening of the	SEKU	Chair, Dr. Patricia Muendo

			office and tuition block phase 1		
56.	14 th October 2014	Appointment	Motivational speaker at I Can Fly High School, at Machakos.	By Sha Givens	
57.	8 th -10 th October 2014	Lecturer	Mining and agriculture symposium	Speke Resort Munyonyo, Uganda	University of Sydney
58.	19 th September 2014	Appointment	University supervisor for MSc student, Rhoda Kuisa, masters in agricultural resource management	DVC ARSA	
59.	15 th May 2014	Director of research, innovation and technology	Molecular biology training workshop on automation for research and diagnostics in molecular biology	Nairobi university	QIAGEN
60.	25 th June 2014	Appointment	To the institutional biosafety committee	Vice chancellor	