

CURRICULUM VITAE

Professor Eucharia Unoma Kenya

1. Personal details:

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Nationality:

Kenyan

Profile

I am a Professor of Biotechnology with national and international experience and expertise on Biotechnology, Biosafety and Biosecurity issues. I hold a PhD in Applied Entomology and an Advance Master's degree in Business Administration (Entrepreneurship). I currently serve as the Deputy Vice-Chancellor (Planning, Administration and Finance) at the University of Embu, Kenya. I previously taught at the Department of Biochemistry and Biotechnology, Kenyatta University, Nairobi, for over 10 years and during this time supervised over 30 postgraduate students and published several peer reviewed papers. I have attracted substantial grants that have benefited many students in the greater East African Region and fostered collaborative projects and partnerships that have contributed in strengthening capacity in different aspects of biotechnology. I am an active player in the agricultural biotechnology sector in Kenya and is a founding member of the Open Forum for Agricultural Biotechnology in Africa, a flagship project of the African Agricultural Technology Foundation. My current research focus is on biofuel production from different sources such as plants (seeds and algae) and organic wastes, including bioprospecting for bacteria from diverse ecosystems with superior polysaccharide degrading enzymes. I am a member of the Kenya National Academy of Sciences and the founding Chairman of the Transformative Women in Leadership Network, a non-for-profit organization registered in Kenya. On the international scene, I remain active in the activities of the Biological Weapons Convention (BWC) and the Organization for the Prevention of Chemical Weapons (OPCW) and is a member of the Chemical Weapons Convention Coalition.

Personal vision: To serve as a leader, live a balanced life and apply ethical principles to make a significant difference in the lives of those that I interact with.

2. Academic Qualifications:

- 2014 – 2017 **Masters of Business Administration (Entrepreneurship)**, Swiss Management Academy, Switzerland.
- 1990 - 1995 **Ph.D. (Applied Entomology)** ICIPE/Rivers State University of Science and Technology, Port Harcourt, Nigeria.
- 1985 - 1987 **M.Sc. (Medical Parasitology)**. Anambra State University of Science and Technology, Enugu, Nigeria.
- 1977 - 1981 **B.Sc. (Zoology)**. University of Nigeria, Nsukka, Nigeria.

3. Current Positions:

- June 2017 – Date **Deputy Vice-Chancellor**, (Planning, Administration & Finance), University of Embu
- Oct 2016 – May 2017 **Ag. Deputy Vice-Chancellor**, (Planning, Administration & Finance), University of Embu
- Sept 2014 - Date **Professor of Biotechnology**, University of Embu

4. Positions held and accomplishments:

Dec 2012 – Oct 2016 **Deputy Principal, (Planning, Administration & Finance)**, Embu University College

- Provided dynamic leadership in the Division of Planning, Administration and Finance that enabled the University set up all support services from scratch for Staff and Students in Catering, Accommodation, Procurement & Stores, Finance, Human Resources, Health Services, Estates and the University Farm.
- Chairs the Committee that developed, monitors and evaluates the University Strategic Plan 2014 – 2018
- Manages the recruitment of all categories of staff and ensured they settled into their jobs seamlessly.
- Provided an enabling environment and support for development of various critical University policy documents that operationalized key activities such as the Staff Terms of Service, Staff Establishment and Scheme of Service, Human Resource Policy and Procedure Manual and The Promotion & Appraisal Criteria.
- Acts as the primary contact for all University infrastructural projects – both internally executed and externally contracted.
- Monitors all Income Generating Activities (IGAs) of the University including Staff Rental Houses, Commercial Tenants, Catering and Accommodation services and the University Farm

Oct 2011 – Nov 2012 **Research Consultant**, International Centre for Health Interventions & Research in Africa, Nairobi, Kenya

- Managed the Public and Environmental Health portfolio in the organization
- Participated in development of grant documents and fundraising
- Organized and participated in training activities
- Acted as the liaison person for external partnerships and collaboration

Sept 2010 – Sept 2011 **Technical Associate (on sabbatical leave)**, African Agricultural Technology Foundation, Nairobi, Kenya.

- Acted as the Africa-wide coordinator the Open Forum on Agricultural Biotechnology in Africa (OFAB) that exists in six countries – Kenya, Uganda, Tanzania, Nigeria, Ghana and Egypt
- Developed a milestone-based reporting mechanism that ensured the country chapters met their targets and where not deviating from the established OFAB model
- Was a member of the team that developed a proposal that attracted \$200,000 funding from the Bill & Melinda Gates Foundation to support the activities of OFAB
- Provided technical support to the Regulatory Affairs Unit, participating in training of staff involved in Confined Field Trials (CFTs) for various projects under the AATF portfolio
- Edited and finalized manuals for CFTs for various crops

Aug 2008 – June 2011 **Associate Professor**, Department of Biochemistry and Biotechnology, Kenyatta University.

- Continued to pursue academic and research activities as detailed in a different section of this CV.

Feb 2007 – Oct 2008 **Dean**, School of Pure and Applied Sciences, Kenyatta University.

- Created an ambience in which every member of staff – Academic, technical and administrative owned the School, spurring hard work and excellence
- Established a transparent procedure for the award of travel & research grants
- For the first time made provision within the School's budget to cater for training of Technical staff
- Provided necessary leadership for the creation of two Schools as off-springs of SPAS – The School of Engineering and The School of Agriculture and Enterprise Development
- Established linkages with several Institutions that lead to successful development of proposals – some benefiting staff in skills development

Sept 2005 – Sept 2007 **Chairman**, Dept. of Biochemistry and Biotechnology, Kenyatta University.

- Streamlined the purchasing processes particularly for lab materials and over a period of 16 months had a fully functional animal breeding unit and a Parasitology/Histology lab that supported PG research particularly for staff
- Established linkages with several Institutions that provided attachment opportunities for both undergraduate and postgraduate students
- Provided leadership that elevated the programme on Medical Laboratory Science into a full-fledged department
- Created a spirit of ownership amongst staff

July 2003 – Aug 2008 **Senior Lecturer**, Department of Biochemistry and Biotechnology, Kenyatta University.

- Carried out my duties with diligence and commitment
- Attracted funding that benefited PG students in Kenya and East Africa

- Appointed Chairman of the School Board of Postgraduate Studies, replicating the successes achieved in the Department – organised the first ever seminar on Supervision for Academic staff in the School
- Through my personal efforts got scholarships for PG students at M.Sc and PhD studies
- Appointed Departmental Examination Coordinator
- Appointed member of several Departmental Committees
- Appointed member of several University Committees

Jan 2000 – July 2003 **Lecturer**, Dept of Biochemistry, Kenyatta University

- Was an active member of the department providing support through several committees
- Appointed the 1st Chairman of the Departmental Board of Postgraduate Studies. During my tenure established a review process that enabled the tracking of students' progress and ensured the production of a PG information booklet for use by staff and students
- Provided supervision for PG students

July to Dec 1999 **Visiting Scientist**, Molecular Biology & Biochemistry Unit, International Centre of Insect Physiology and Ecology (CIPE), P.O. Box 30772, Nairobi, Kenya.

Dec.1996 - July 1999 **Research Consultant (Public and Environ. Health)**, The International Centre for Health Intervention and Research in Africa, P.O. Box 59921, Nairobi, Kenya.

1990 - 1995 **PhD Scholar (ARPPIS Programme)**, Biochemistry and Molecular Biology Unit, The International Centre of Insect Physiology and Ecology (ICIPE), Nairobi, Kenya.

1989 - 1990 **Scientific Officer**, Medical Vectors Research Unit, ICIPE.

1985 - 1987 **Assistant Lecturer and M.Sc. Student**, Department of Parasitology and Entomology, ASUTECH

1982 – 1984 **Graduate Assistant**, Department of Biological Sciences, Anambra State University of Science and Technology (ASUTECH), Enugu, Nigeria.

1981 - 1982 **Senior Biology Teacher** - Under The National Youth Service Programme, Nigeria.

5. Administrative Experience:

i. Chairman of Department (2005 – 2007)

Key responsibilities:

- The Administrative and Academic head of the department
- Prepare annual budget and expenditure plans
- Manage expenditure as per budgetary allocation
- Initiate staff recruitment
- Foster internal partnerships among departments and initiate external linkages

ii. Dean of School (2007 – 2008)

Key responsibilities:

- The Administrative and Academic head of the school

- Prepare annual budget and expenditure plans for the Dean's office
 - Manage expenditure as per budgetary allocation – particularly the votes for Equipment, Travel & Research, and Scholarships
 - Facilitate recruitment of staff in liaison with the departments
 - Initiate partnerships and collaborative linkages
 - Work with departments to identify community outreach activities
- iii. Acting Registrar (Administration) (March – April 2008)**
Key responsibilities:
- Coordinates staff in the division for efficiency
 - Manage all utility services including health scheme
 - Handle staff concerns and complaints on a daily basis
 - Act as secretary to several University committees
- iv. Acting Registrar (Academic Affairs) (Aug. – Sept. 2008)**
Key responsibilities:
- Oversee all matters pertaining to students' Admission, Registration, Examination, Certification and Graduation
 - Act as secretary to the University Senate
 - Act as secretary to Senate committees
 - Handle students' concerns and complaints

6. Teaching & Research Experience

A. Teaching - January 2000 to date

B. Research and Postgraduate Students' Supervision

B₁. Graduates – Ph. D

- i.** 2006 - Response of Mosquitoes to Heavy Metals. **Dr. Paul Mireji.**
- ii.** 2008 - Vector Competence to Dengue 2 Virus and Genetic Differentiation of *Aedes aegypti* Populations from Coastal and Inland Areas of Kenya. **Dr. Marion Burugu.**
- iii.** 2009 - Studies on Morphological and Genetic Diversity of the New Invasive Species *Bactrocera invadens* in Africa. **Dr. Fathiya Khamis.**
- iv.** 2012 - The Use of Novel Biochemical Markers in Coronary Heart Disease Risk Assessment among Urban Populations in Kenya. **Dr. Lydia Kaduka.**
- v.** 2012 - Molecular Epidemiology of lymphatic filariasis in Lamu District, Kenya. **Dr. Jim M. Kagai.**
- vi.** 2013 - Geographical distribution and Molecular Characterization of Aflatoxin Producing and Non-Producing Isolates of *Aspergillus flavus* and *Aspergillus parasiticus* in Kenya. **Dr. Daniel Okun.**
- vii.** 2019 - *Streptococcus Pneumoniae* Serotype epidemiology, anti-microbial resistance and serum Immunoglobulin G antibody level among PCV-10 vaccinated infants in Western Kenya. **Dr. Michael Nyongesa Walekhwa.**

B₂. Graduates – M. Sc

- i.** 2003 - Molecular Characterization of Trypanosomes in small ruminants and pigs from Western Kenya. **Mr. Musa O. Ng'ayo**
- ii.** 2004 - Clearance of soluble egg antigen in *Schistosoma haematobium* infection in

- Children after Praziquantel Treatment. **Mr. Jimmy Kihara**
- iii. 2004 - Expression of the Lectin-Trypsin gene in Tsetse Flies and other Haematophagous Arthropods. **Ms. Marion W. Burugu**
- iv. 2004 - Antigenic and Genetic Characterization of Human Rotavirus Causing Gastroenteritis in Infants and Young Children in Kenya. **Mr. James W. O. Nyangao**
- v. 2004 - An assessment of the Socio-economic impact of HIV/AIDS on orphans within an Urban Setting: A case study of Nairobi, Kenya. **Mr. Pius O. Opiyo.**
- vi. 2004 - A Comparative Study of Eosinophiluria in Single and Mixed Schistosomiasis infections in School Children. **Mr. Adel E. Odek.**
- vii. 2004 - Gene flow in Wild Cowpea [*Vigna unguiculata* (L) Walp.] From Coastal Kenya. **Mr. Ismail Y. Rabbi.**
- viii. 2004 - Comparative Validation and Improvement of Polymerase Chain Reaction assay Using Sputum and Urine for the Diagnosis of Lymphatic Filariasis. **Mr. Jim M. Kagai.**
- ix. 2005 - Isolation and Characterization of *Aeromonas* Species from boreholes and Wells in Selected Towns in Kenya. **Mr. Abdulatif A. Samatar.**
- x. 2005 - Analysis of Genetic Diversity in *Eucalyptus grandis* Seed Sources using ISSR Molecular Markers. **Mr. Daniel O. Okun.**
- xi. 2006 - Validity of The British Society for Antimicrobial Chemotherapy Susceptibility Method for Characterization of *Streptococcus pneumoniae* and *Haemophilus influenzae* in Coastal Kenya by Comparison with ETEST. **Mr. Mwarumba S. Yawah.**
- xii. 2006 - Etiology of Microorganisms Causing Symptomatic and Asymptomatic Urinary Tract Infections Among Mentally Handicapped Pupils in Kwale District. **Mr. Mwavita Amos Lewa**
- xiii. 2008 - Malaria Perception, Diagnosis, Treatment and Control in Soy Division of Uasin Gishu District, Kenya. **Mr. Godffery Maina**
- xiv. 2008 - Impregnated Dry Filter Paper as an Alternative Medium for Transporting Diarrhoeal Stool Samples. **Mr. Tobias Ambundo.**
- xv. 2008 - The Role of *Cryptosporidium* and other Intestinal Protozoa in Paediatric Diarrhea. **Mr. Kamwati Kangethe.**
- xvi. 2008 - Evaluation of the Potential of Live Attenuated Recombinant *Listeria monocytogenes* Expressing *Theileria parva* genes to induce parasite-specific Cytotoxic T cell Response in Cattle. **Mr. Daniel Kerage.**
- xvii. 2009 - Isolation and Characterization of Multi-drug Resistance Pathogenic *E. coli* among Food-handlers working in Selected Tourist Hotels in Nairobi and Kwale. **Mr. Abel Onyango.**
- xviii. 2009 - Isolation and Characterization of *Neisseria Meningitidis* Implicated in an Outbreak in West Pokot District, Kenya. **Mr. Sadiki Materu.**
- xix. 2009 - Prevalence of Human Brucellosis in Nyandarua District, Kenya Determined by Slide Test, 2-Mecapthoethanol Degradation agglutination Test and Elisa. **Mr. Simon Gichigua.**
- xx. 2009 - The impact of water soluble components of Kenyan black tea on

- theaflavins interaction with antibiotics against human gastrointestinal pathogenic bacteria. **Mr. Andrew Bor.**
- xxi 2011 - Molecular Phylogenetic Characterization of Symbiotic Microorganisms in guts of wild *Eldana saccharina* Wlker (Lepidoptera: Pyralidae). **Mr. James Kabii.**
- xxii 2016 - The Genetic Diversity of Aphids Infesting Amaranth and Nightshades in Tanzania. **Mr. Alex Kipnyargis**

B₃ Ongoing supervision:

- i. PhD - Epidemiology of Brucellosis, Leptospirosis and African Trypanosomiasis at the Human-Livestock-Wildlife interface with the Mara-Serengeti Ecosystem, Southwest Kenya. **Daniel Mutiso Nthiwa, University of Embu.** Registered in October 2015.
- ii. PhD - Bio-ecology of *Tuta absoluta* in Kenya and Inference to its Invasion Pathways into Africa. **Grace Waithira Kinyanjui, University of Embu.** Registered in 2017.
- iii. PhD - Diversity and Function of Polysaccharide Degrading Bacteria in Lake Magadi, Kenya. **Alex Cherutich Kipnyargis, University of Embu.** Registered in 2018.

C External Examinations:

Postgraduate Theses - most frequently from University of Nairobi, Kenya; JKUAT, Kenya; and Makerere University, Uganda.

Departmental External Examiner

- Department of Zoology, Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya. **2006 - 2012.**
- Department of Biotechnology, Moi University, Eldoret, Kenya. **2007 - 2012.**
- Centre for Biotechnology and Bioinformatics, University of Nairobi, Kenya. **2010 - 2013.**

D Review of Journal articles (most frequent Journals):

- International Journal of Tropical Insect Science
- Journal of Tropical Microbiology and Biotechnology
- The African Journal of Food, Agriculture, Nutrition and Development

E Review of proposals for funding Agencies

- The Uganda National Council for Science and Technology
- National Council of Science and Technology, Kenya
- National Commission for Science, Technology and Innovation, Kenya
- National Research Fund, Kenya
- Association for Strengthening Research in E. & C. Africa (ASERECA)

F Development of degree programmes - Kenyatta University

- B.Sc. Biotechnology - 2004
- M.Sc Biotechnology - 2004
- B.Sc Medical Laboratory Science - 2005
- M.Sc Research Methods (RUFORUM) -2005
- B.Sc Forensic Medicine - 2006

7. Memberships of Professional Bodies:

- i. Kenya National Academy of Sciences (KNAS)
- ii. American Biological Safety Association International (ABSAI)
- iii. Fellow of the African Scientific Institute (ASI)
- iv. Open Forum on Agricultural Biotechnology (OFAB)
- v. International Network of Women Scientists and Engineers (INWSE)
- vi. The Chemical Weapons Convention Coalition (Under the UN Organization for the Prohibition of Chemical Weapons (OPCW)
- vii. African Association of Insect Scientists (AAIS)
- viii. Association of African Women in Science and Engineering (AWSE)
- ix. Organization of Women in Science for the Developing World (OWSD)
- x. African Biological Safety Association (AfBSA)

8. Grants and Awards:

- i. Kenya National Research Fund for research titled 'Bioprospecting Cellulases for Bioethanol Production from Organic Wastes in Kenya. **Eucharia Kenya (PI)**, Fathiya Khamis (Icipe, Kenya) and Mary Mwangi (Kenyatta University, Kenya). 2018 – 2020. **KES 8 million**.
- ii. Carnegie African Diaspora Fellowship Program (CADFP) for scholar exchange between University of Embu and University of Toronto. **USD 20,000**. 2016 – 2017
- iii. National Commission for Science, Technology and Innovation. Funding to host a forum on Agricultural Biotechnology. **KES 350,000**. 2016 – 2017.
- iv. World Health Organization, GAR Grant No.200370707: An Assessment of Research & Diagnostic Laboratories in Nairobi and Surrounding Areas, Kenya. **Eucharia Kenya (PI)** and Margaret Muturi (Kenyatta University). 2011 – 2012. **USD 31,731**.
- v. European Union – African, Caribbean and Pacific Group of States (EU-ACP Group): Developing Capacity for Participatory and Marker Assisted Plant Breeding to mitigate low Crop productivity and poor Food Security (CAPACITATE East Africa). 2009 – 2013. Charles Ssekya (PI, Uganda Martyrs University, Uganda), Katherine Steele (Co-PI, Bangor University, UK), **Eucharia Kenya (Co-PI, Kenyatta University, Kenya)**, Valerie Palapala (Co-PI, Masinde Muliro University of Science and Technology, Kenya), Segenet Kelemu (Collaborator, BECA-ILRI, Kenya), Dan Kiambi (Collaborator, ICRISAT, Kenya). **EUROS 785,074**
- vi. **National Council for Science and Technology**: Microalgae species diversity, abundance, and their potential for biofuel in Kenya. 2009. Laila Abubakar (PI), **Eucharia Kenya** (Co-PI, Kenyatta University) and Alfred Muhoho, Co-PI, Nairobi) 2009. **Ksh 1,909,000**
- vii. **Monsanto (Kenya)**, Biotechnology Training Workshop for High School teachers: A Mentorship Programme for Strengthening the Teaching of Biotechnology by Science Teachers. Margaret Karembu (PI), Danette Ward and **Eucharia Kenya (Co-PI, Kenyatta University)**. 2008. **USD 50,000**
- viii. **German Academic Exchange Service (DAAD)** – Postgraduate support grant on “Geographical distribution and Molecular Characterization of Aflatoxin Producing and Non-Producing Isolates of *Aspergillus flavus* and

- Aspergillus parasiticus* in Kenya“ 2008 – 2010. Daniel Okun (PhD student), **Eucharia Kenya** and Geoffery Muluvi. **USD 4,200.**
- ix. **British Council/DfID** - Developing Partners in Higher Education (DelPHE-KENYA Project No. -290) – Inter University Collaboration to Strengthen Human and Institutional Capacity in Eastern and Central African Countries Emerging from Conflicts. 2008-2012. **Eucharia Kenya (PI)**, Essa Ali (Sudan), Bendantunguka Tiisekwa (Tanzania), Goeffrey Tusiime (Uganda) and Daniel Rukazambuka (Rwanda). **POUNDS STRERLING 105,000.**
 - x. **TDR/WHO** - Establishment of a Reference Training Centre in Effective Project Planning and Evaluation in Biomedical Research for Eastern and Central Africa. 2008-2009. Grace Murilla (PI), Johnson Ouma and **Eucharia Kenya.** **USD 30,000.**
 - xi. Regional Universities FORUM for Capacity Building in Agriculture – Nurturing grant to support M. Sc students. 2007-2009. **Eucharia Kenya (PI)**, Ethel Monda and Samuel Otor. **USD 66,250.**
 - xii. **Association of African Universities** Leadership - Senior Executive Attachment Programme for Senior University Managers 2007. **Eucharia Kenya.** **USD 5,000.**
 - xiii. UNICEF/UNDP/World Bank/WHO Special Progamme for Research and Training in tropical Diseases (TDR) Project No. A20315. 2003 – 2006. A Comparative Study of Populations of *Aedes aegypti* in Dengue Endemic and Non-Endemic Areas of Kenya. Rosemary Sang (PI), **Eucharia Kenya** and Luna Kamau. **USD 120,000.**
 - xiv. **International Development Research Centre**, Nairobi. A survey on urban malaria among slum dwellers in Kibera, Nairobi. 1999. **Eucharia Kenya (PI)** and Halima Mwenesi. **USD 10,000.**
 - xv. The Ford Foundation, 1990 - 1994 (Doctoral research). **Eucharia Kenya (PhD student, ICIPE, Nairobi, Kenya)** and Ellie Osir (Research supervisor, ICIPE) **USD 20,000.**

9. Special Appointements:

- i. **Founding Chairman**, Transformative Women in Leadership Network. A non-for-profit organization registered in Kenya, 2019 - date
- ii. **Member of Advisory Board**, Agency for Science & Technology Information Communication, Kenya Limited (ASTICOM), 2019 to date
- iii. **Chairman**, The 10th Annual Decolonizing the Spirit Conference held on 19th – 21st July 2016. Organized by Embu University College and the University of Toronto. **Theme**: *Role of Indigenous Discourse and Innovative Technologies to Catalize Development and Human Wellness.*
- iv. **Member**, Local Organizing Committee for the Society for the Advancement of Science in Africa (SASA) Conference held on 22nd – 26th August 2016. Nairobi Kenya.
- v. **Director**, Board of Intergrated Community Organization for Sustainable Empowerment and Education for Development, June 2015 to 2018.
- vi. **Member**, Board for African Women Reintegration Center Foundation, The Hague, Netherlands, April 2014 to date.
- vii. **Commissioner**, National Commission for Science, Technology and Innovation, Kenya, April 2014 to 2017.
- viii. **Member**, Biotechnology Research Programme, Kenya Medical Research Institute, Nairobi, Kenya, 2011 to 2016.

- ix. **Member**, Expert Panel (Knowledge Partner) on Assessing Utility of Radio in Communicating Agricultural Biotechnology in Africa. International Service for the Acquisition of Agri-Biotech Applications (ISAAA) and International Development and Research Centre (IDRC) Project, 2009.
- x. **Member, Governing Council**, African Network of Scientific and Technological Institutions (ANSTI) (2007 – 2009).
- xi. **Member, National Steering Committee** on Drafting of a Biotechnology Awareness Strategy for Kenya (2008 - 2013). Ministry of Agriculture, Government of Kenya. 2007. **Launched on 25th September 2008.**
- xii. **Founding Member of Programming Committee - Open Forum for Agricultural Biotechnology (OFAB)**, The African Agricultural Technology Foundation (AATF) and the International Service for the Acquisition of Agri-Biotech Applications (ISAAA). 2006 - date.

10. **Relevant Expert Engagements:**

- i. **Resource Person** – MWONGOZO Training for State Corporations. Organized by the State Corporations Advisory Committee. Mombasa, 28th September – 5th December 2015 and 6th – 17th February 2017.
- ii. **External Evaluator** – PhD thesis of the Ontario Institute of Studies in Education (OISE), University of Toronto, Canada. 28th April 2015.
- iii. **Facilitator** – Training of Cotton-growers in Eastern Region of Kenya. OFAB Event, Kenya, 5th February 2015.
- iv. **External expert** – Interview panel for position of PRINCIPAL, 11th February 2014. For the positions of DEPUTY PRINCIPAL (AA & FPA), 9th April 2014 at The Co-operative University College of Kenya.
- v. **Lead resource person** – A Survey to Determine the Prevailing Knowledge, Attitude and Practices of Agricultural Biotechnology in Kenya : A case Study of Selected Biotechnology Stakeholders in Kenya. Sponsored by the Open Forum on Agricultural Biotechnology in Africa, Kenya Chapter. June 2013.
- vi. **Resource person** – Training Workshop on Strengthening Biosafety Regulatory Capacity in Nigeria. Organised by the African Biosafety Network of Experts. Abuja, Nigeria. 5 – 9th November, 2012.
- vii. **Discussant** – A meeting on ‘Biosecurity and the Global Governance of Infectious Diseases’ organised by The Hague Institute for Global Justice. The Hague, Netherlands. 9th October, 2012.
- viii. **Moderator** – NEPAD Agency ABNE/Michigan State University Side Event at the African Green Revolution Forum 2012 : A dialogue with African Stakeholders on New Science and Technology. Arusha, Tanzania. 26 – 28th September 2012.
- ix. **Resource person** – Training course on Communicating Biosafety and Regulations of GMOs for Public Health Officers. Organised by ISAAA, PBS and Ministry of Health. Kenya. 20 – 21st September, 2012.
- x. **Resource person** – OFAB Kenya Science Communication Training Workshop for Scientists and Journalists. Organised by OFAB Kenya Chapter and ISAAA. Kenya. 17 – 18th September 2012.
- xi. **Moderator/Facilitator** – African COP/MOP6 Preparatory meeting on ‘Strengthening Capacity for Implementation of the Biosafety Protocol in Africa’. South Africa. 28 – 29th August 2012.
- xii. **Resource person** – on ‘Dual Use Research (DUR), Biosafety and Biosecurity’

- during the 1st National Biosafety Conference organised by the National Biosafety Authority. Kenya. 6 – 9th August 2012.
- xiii. **Resource person** – BIPCEA Science Communication Training Workshop for Bio-Innovate Projects. Organised by ISAAA, PBS and Bio-Innovate Programme. Kigali, Rwanda. 3 – 4th July 2012.
 - xiv. **Resource person** – Training course on Communicating Biosafety Issues in Modern Biotechnology. Organised by ISAAA and PBS. Kenya. 2011.
 - xv. **Resource person** – Kenya Biosciences Policy and Bill Communication Workshop. Organised by the National Council of Science and Technology. Nairobi. November 2011.
 - xvi. **Resource person** - Biosafety Training Workshop for Staff of Kenya Bureau of Standards. Organized by KEBS. Nairobi, Kenya. 5 – 6th December 2011.
 - xvii. **Resource person** - Workshop on Agri-biotech Outreach and Awareness for Biosafety Regulators & Policy makers in Agric Sector Ministries. Organized by University of Nairobi, CEBIB USAID Project. Machakos, Kenya, 16 – 17th December 2011.
 - xviii. **Lead consultant for Kenya.** The Bioweapons Monitor Project. June – Dec 2010 and 2011. www.bwpp.org
 - xix. **Resource Person** – Risk Communication Training Course for Senior Ministry of Public Health and Sanitation Officers. Organised by International Service for the Acquisition of Agri-Biotech Applications (ISAAA) and Programme for Biosafety Systems, Nairobi, Kenya, February 2010.
 - xx. **Resource Person** – Training Workshop on Science Communication for Scientists and Project Technical Staff involved in *Bt* Cowpea Project in Nigeria, Burkina Faso and Ghana. Organised by The African Agricultural Technology Foundation (AATF). Abuja, Nigeria, June 2009.
 - xxi. **Resource Person** – Risk Communication Training Course for Senior Ministry of Agriculture (MoA) Officers. Organised by International Service for the Acquisition of Agri-Biotech Applications (ISAAA) and Programme for Biosafety Systems, June 2009.
 - xxii. **Lead National Consultant (Kenya)** – Under a Regional Capacity Initiative Project entitled ‘ Improving the Availability and Relevance of Agricultural Learning Resources in Africa’ sponsored by The Association of African Universities (AAU) and The African Network for Agriculture, Agroforestry and Natural Resources Education (ANAFE). May – July 2009.
 - xxiii. **Resource Person** – Workshop on Biotechnology and Good Practices for Min. of Agriculture, Religious and Ginnery Staff. Organized by the Intergrated Community Organisation for Sustainable Education and Empowerment for Development. Embu, Kenya, April 2009.
 - xxiv. **Resource Person** – Workshop on Risk Communication Training for Biosafety Regulators and National Biosafety Committee Members (NBC). Organised by National Council for Science and Technology (NCST), International Service for the Acquisition of Agri-Biotech Applications (ISAAA) and Programme for Biosafety Systems. 19 – 20 April 2009.
 - xxv. **Resource Person** - Farmers’ Workshop on Biotechnology Tools and Innovations. Organized by the Uganda National Council for Science and Technology & Uganda Open Forum on Agricultural Biotechnology, 17th December, 2008.
 - xxvi. **Resource Person** - Biotechnology Training Workshop for High School teachers:

- A Mentorship Programme for Strengthening the Teaching of Biotechnology by Science Teachers. Sponsored by Monsanto (Kenya). August 18 – 28, **2008**.
- xxvii. **Resource Person** – Regional Workshop on Development of Biosafety Curriculum/Programmes for Trainers of Academic and Non-academic Stakeholders in East Africa organized by The Program for biosafety Systems (PBS/IFPRI), April **2007**, Entebbe, Uganda.
- xxviii. **Resource Person** - Regional Workshop on Enhancing Communication Skills in Modern Biotechnology Issues in Eastern Africa – Approaches and Methods of Risk Communication, January 23rd – 25th **2007**, Arusha, Tanzania.
- xxix. **Member of Kenya Research Team** – WHO-UNAIDS Cost-Effectiveness and Delivery for HIV Vaccines. **2005**.
- xxx. **Resource Person** - prepared a background paper on ‘**Genetically Modified Organisms and the Environment – An African Perspective**’ for the Africa Environment Outlook Progress and Report. **2004**.
- xxxi. **Member - Ad Hoc Expert Committee** on the fourth Global Environment Outlook (GEO-4) Progress and Report. **2004**.

11. Courses, Conferences and Workshops Attended:

- The 4th International Conference for Women in Science Without Borders. Organized by The Global Forum for Women in Science, Rio de Janeiro, Brazil. 12 – 14th February 2020.
- The 24th Session of the Conference of State Parties (CSP-24) to the Organization for the Prevention of Chemical Weapons (OPCW). The Hague, Netherlands. 25th – 29th November 2019.
- OPCW 2018 The 23rd Session of the Conference of State Parties (CSP-23) to the Organization for the Prevention of Chemical Weapons (OPCW). The Hague, Netherlands. 19th – 30th November 2018.
- The 22nd Session of the Conference of State Parties (CSP-22) to the Organization for the Prevention of Chemical Weapons (OPCW). The Hague, Netherlands. 27th November – 1st December 2017.
- 17th International Conference of Women engineers and Scientists (ICWES17), 5th – 7th October 2017, New Delhi, India. Participated as a panelist.
- CASE Africa Conference, Nairobi. 8th – 10th November 2016
- **PPP Local Capacity Building Program** –
 - Foundation Module – 26th to 30th October 2015.
 - Risk Allocation, Financial Modeling and Financing Module – 18th to 20th January, 2015
 - Fiscal Risk Management Module – 22nd to 24th February 2016.
 - Legal Agreements in PPPs Module – 21st to 23rd March 2016.
 - PPP Procurement Module – 21st to 23rd April 2016.
 - PPP Contract Management and Supervision Module – 18th – 20th May 2016.
- Symposium on Capacity Building in Sustainable Resource Development in Africa. Organised by the Japan Information and Culture Centre, Japanese Embassy, Nairobi Kenya. 24th March 2016.

- The 20th Session of the Conference of State Parties (CSP-16) to the Organization for the Prevention of Chemical Weapons (OPCW). The Hague, Netherlands. 30th November – 4th December 2015.
- Regional Conference of the International Network of Women Engineers and Scientists. Co-organized by the African Women in Science and Engineering. Uganda, 21 – 23rd October 2015. Participated in a Panel on “*Biotechnology in Africa: The Opportunities and Envisaged Challenges*”
- MWONGOZO Training for State Corporations, Organized by the State Corporations Advisory Committee, Mombasa 28 – 30th September 2015.
- The 9th Annual Decolonization of the Spirit Conference – Indigenous Pedagogies and Cultural Resistance in Education. Organised by the University of Toronto, Toronto, 24 – 25th April 2015.
- The 19th Session of the Conference of State Parties (CSP-16) to the Organization for the Prevention of Chemical Weapons. The Hague, Netherlands. 1 – 5th December 2014.
- The 3rd Review Conference of the Organization for the Prevention of Chemical Weapons (OCPW), The Hague, Netherlands. 8 – 11th April 2013.
- The UNSCR 1540 Civil Society Forum. Vienna, Austria. 7 – 10th January 2012.
- International Conference on GM Crops and Foods. Organised by the Faculty of Agriculture. Cairo, Egypt. 26 – 29th November 2012.
- The African Green Revolution Forum. Organised by AGRA with support from several Organisations. Arusha, Tanzania. 26 – 28th September 2012.
- Africa COP/MOP6 Preparatory Meeting: Strengthening Capacity for Implementation of the Biosafety Protocol in Africa. Organised by ISAAA, NEPAD, AfricaBio, COMESA, USDA, PRRI, PBS and ABNE. Pretoria, South Africa. 28 – 29th August 2012.
- The 1st National Biosafety Conference . Organised by the National Biosafety Authority. Kenya. 6 – 9th August 2012.
- The 3rd African Biological Safety Conference. Organised by the African Biological Safety Association. Johannesburg, South Africa. 24 – 27th June 2012.
- The African Science Journalists Conference. Organised by The Association of Media in Environment, Science, Health and Agriculture. Kenya. 20 – 23rd August 2012.
- The 2nd Annual Conference – Biosafety and Biosecurity: Building Sustainable Capacity. Organised by the International Federation of Biosafety Associations. Johannesburg, South Africa. 28 – 29th June 2012.
- Open Forum on Agricultural Biotechnology 2nd Planning and Review meeting organized by the African Agricultural Technology Foundation. Accra, Ghana. 30th April – 4th May 2012.
- Biosafety Training Workshop for Staff of Kenya Bureau of Standards. Organized by KEBS. Nairobi, Kenya. 5 – 6th December **2011**.
- Workshop on Agri-biotech Outreach and Awareness for Biosafety Regulators & Policy makers in Agric Sector Ministries. Organized by University of Nairobi, CEBIB USAID Project. Machakos, Kenya, 16 – 17th December **2011**.
- Biosafety Risk Communication Workshop. Organized by the International Centre for Genetic Engineering and Biotechnology. Quatre Bornes, Mauritius, 8 – 10th June **2011**.
- International conference on Agricultural Biotechnology in Africa: Fostering Innovation. Organized by Addis Ababa University and the Agricultural

Innovation in Africa (AIA) project at Harvard University Kennedy School. Addis Ababa, Ethiopia. 13 – 15th May **2011**.

- Stakeholders Workshop on the Draft Biosafety Regulations. Organized by the National Biosafety Authority. KARI Headquarters, Nairobi, Kenya, 12th April **2011**.
- Stakeholders Workshop on preparing a National Policy on Biosecurity for Kenya. Organized by Kenya National Council of Science and Technology. Bogoria, Kenya, 18th – 21st January **2011**.
- Training Workshop on “Risk Assessment for the General Release of Genetically Modified Crops”. Organized by the International Centre for Genetic Engineering and Biotechnology (ICGEB) & the Africa Agricultural Technology Foundation (AATF). Nairobi, Kenya. 14th – 18th December **2010**.
- A seminar on “Presenting BWPP Activities 2010”: A side event of the Meeting of State Parties of the United Nations Bioweapons Convention. Organized by The BioWeapons Prevention Project. Palais des Nations, Geneva, Switzerland. 8th - 10th December **2010**.
- BioWeapons Monitor Coordination Meeting: A side event of the Expert Committee Meeting of the United Nations Bioweapons Convention. Palais des Nations, Geneva, Switzerland. 23rd – 27th August **2010**.
- The 5th African Agriculture Week and FARA General Assembly. 19 - 24th July **2010**, Ouagadougou, Burkina Faso.
- TWOWS Fourth General Assembly and International Conference: Women Scientists in a Changing World. 27 - 30th June **2010**, Beijing, China.
- African Regional Workshop on Biosafety and Biosecurity organized by the UN 1540 Committee, the UN Office for Disarmament Affairs and the United State Government and hosted by the Government of Kenya. 2nd – 4th February **2010**, Nairobi, Kenya.
- Leadership Training Workshop – Reporting on Agriculture and Women. Organized by the International Women’s Media Foundation. Uganda, 23rd – 26th February **2009**.
- Workshop on Drafting of Kenya National Manifesto on Science, Ethics and Socialization of Research. Organised by the African Technology Policy Studies Network (ATPS). 4th – 5th February **2009**, Nairobi, Kenya.
- FAO Training of Trainers Regional Workshop on Genetically Modified Food Safety Assessment Training Within Biosecurity Approach. 15-17th April **2008**, Nairobi, Kenya.
- An International Workshop in East Africa: Promoting Biosafety and Biosecurity within the Life Sciences. 11-12th March, 2008, Kampala, Uganda
- Workshop on Rapid Results Initiative for Kenyatta University, October 2007.
- 2nd Conference of Vice Chancellors and Deans of Science, Engineering and Technology, organised by the African Network of Scientific and Technological Institutions, 25th – 27th September, **2007**, Midrand, South Africa.
- Leadership Development Workshop (LEDEV), The Association of African Universities, 13th – 25th August, **2007**, Windhoek, Namibia.
- 2nd International Conference on ICT for Development, Education and Training, 28th – 30th May **2007**, Nairobi, Kenya.
- Regional Workshop on Enhancing Communication Skills in Modern Biotechnology Issues in Eastern Africa – Approaches and Methods of Risk Communication, January 23rd – 25th **2007**, Arusha, Tanzania.

- Training Workshop on Biotechnology Issues and Communication: Enhancing communication skills of South Asian Decision Makers on Biotechnology, 4th – 7th September **2006**, Manila, Philippines.
- Workshop on Biotechnology in African Development – Freedom to Innovate. Organized by AU/NEPAD’s High-Level African Panel on Modern Biotechnology, 24 – 27th July **2006**, Nairobi, Kenya.
- 2nd Regional Universities Forum for Capacity Building in Agriculture, 28th – 29th August **2005**, Kenya School of Monetary Studies, Nairobi, Kenya.
- Workshop to review programmes and curricular for the Department of Biochemistry and Biotechnology, Kenyatta University, 27th – 29th June, **2006**, Utalii Hotel Nairobi, Kenya.
- 1st Educate the Educators ESD Innovative Workshop on Mainstreaming Environment and Sustainability in Africa (MESA), 4th – 9th May **2006**, Nairobi, Kenya.
- Policy-makers Journalists’ Exchange Visit – Travelling Workshop to South Africa on Agricultural Biotechnology, May 17th – 21st, **2006**, South Africa.
- The 7th African Crop Science Society Conference, 5th – 9th December **2005**, Entebbe, Uganda.
- Training Course on Biosafety, Kenya Plant Health Inspectorate Service (KEPHIS), 29th Nov – 1st December, **2005**.
- Third World Organization of Women in Science - Third General Assembly and International Conference: Women’s Impact on Science and Technology in the New Millennium, 21st – 25th November **2005**, Bangalore, India.

12. Publications:

- i. **ANIGBO, E.U.** and **NWAORGU, O.C.** (1988). Urinary Schistosomiasis in two family populations, using school children as tracers. **Nig. J. Parasitol.**, 9-11:14-26.
- ii. **NWAORGU, O.C.** and **ANIGBO, E.U.** (1992). The diagnostic value of haematuria and proteinuria in *Schistosoma haematobium* infection in Southern Nigeria. **J. Helminthol.**, 66:177-185.
- iii. **OSIR, E.O., MAGOMA, G.N., VUNDLA, M.W.** and **KENYA, E.U.** (1993). *Bacillus thuringiensis* endotoxins active against *Chilo partellus* and *Glossina morsitans morsitans* in **Management of Insect Pests: Nuclear and related molecular and genetic techniques**. IAEA, 513-522.
- iv. **KENYA, E.U.** (1995). Mechanisms for Selective Toxicity of Locally Isolated strains of *Bacillus thuringiensis* (Berliner). **PhD thesis**. University of Science & Technology, Port Harcourt, Nigeria. 176 pages
- v. **KENYA, E.U., OSIR, E.O.** and **IMBUGA, M.I.** (2004). Effect of *Bacillus thuringiensis* delta-endotoxin on partially purified midgut ATPase from the tsetse fly *Glossina morsitans centralis*. **Journal of Nature Conservation**, 16 (2): 235 - 241 .
- vi. **NG’AYO, M. O., NJIRU, Z. K., KENYA, E. U., MULUVI, G. M., OSIR, E. O.** and **MASIGA, D. K.** (2005). Detection of trypanosomes in small ruminants and pigs in western Kenya: Important reservoirs in the epidemiology of sleeping sickness. **J. Kinetoplasid Biology and Disease**, 4 (5): 18 - 24. (<http://www.kinetoplastids.com/content/4/1/5>).
- vii. **KENYA, E. U., OKUN, D. O., GACHUCHE, D. N., ABDULAHI, A., ABUBAKAR, L. U.** and **R. MANOHAR** (2006). Detection and Presumptive

- Identification of *Clostridium perfringes* in Drinking Water. **Aquaculture** 7 (1): 27 – 36.
- viii. MIREJI, P., KEATING, J., **KENYA, E. U.**, MBOGO. C., NYAMBAKA, H., OSIR, E., GITHERU, J. and BEIER, J. (2006). Differential Induction of Proteins in *Anopheles gambiae sensu stricto* (Diptera: Culicidae) Larvae in Response to Heavy Metals selection. **International J. of Tropical Insect Science** 26 (4): 214-226 .
- ix. MWANGI, E.M. and **KENYA, E. U.** (2007). Ch 20 - Overview of Principles and Applications of Environmental Risk Assessment. In Environment and Sustainable Development: A Guide for Higher Education in Kenya Vol II. School of Environmental Studies and Human Sciences. (Edited by Waswa, F., Otor, S., Olukoye, G. and Mugendi, D.) Pages 335 – 348.
- x. **EUCHARIA KENYA**, ELLIE OSIR, JAMES KABII and SHARMA REKHA. (2007). Efficacy and Compatibility of Fungi, Neem and Commercial Acaricide as Control Agents for Ticks. **Journal of Nature Conservation**, Vol 19 (2):321-331.
- xi. M. W. BURUGU, B. N. MBATIA, E. O. OSIR, **E. U. KENYA** and L. U. ABUBAKAR. (2008). The *Glossina* proteolytic lectin (Gpl) gene is expressed only in members of *Glossina* species. **International Journal of Insect Science**, Vol 27 (3/4):145-151.
- xii. ADEL E. ODEK, **EUCHARIA U. KENYA**, MARIAM T. MWANJE, CLAUS M. REIMERT, JIMMY H. KIHARA, BRIGITTE, J. VENNERVLD, JOHN H. OUMA and REKA R. SHARMA. (2008). A comparative study of eosinophiluria in single and mixed Schistosomiasis infection in Kenyan School Children. **J. Nature Conservation**, Vol 20 (1):81 – 96.
- xiii. D. O. OKUN, D. O., **KENYA, E. U.**, OBALLA P. O., ODEE, D. W. And G. M. MULUVI (2008). Analysis of Genetic Diversity in *Eucalyptus grandis* (Hill ex Maiden) Seed Sources Using ISSR Molecular Markers. **A. J. of Biotechnology**, Vol. 7 (13): 2119-2123. Available online at <http://www.academicjournals.org/AJB> .
- xiv. KAGAI, J. M., MPOKE, S., HAMBURGER, J. H., MULI, F. W., **KENYA, E. U.** (2008). Application of a molecular technique utilizing sputum for detecting *Wuchereria bancrofti* infection in Mpirani, Malindi District, Kenya, **East African Medical J.** Vol 85 (3): 28 – 33.
- xv. THERESA SENGOOBA, REBACCA GRUMET, JAMES HANCOCK, BARBARA ZAWEDDE, LAZARO KITANDU, CHOLANI WEEBADDE, MAGARET KAREMBU, **EUCHARIA KENYA**, KARIM MEREDIA, PAUL NAMPALA, JAMES OCHANDA, HECTOR QUEMADA AND MUGASSA RUBINDAMAYUGI. (2008). Biosafety Education Relevant to Genetically Engineered Crops for Academic and non-Academic Stakeholders in East Africa, **Electronic Journal of Biotechnology**, Accepted for publication October 2008.
- xvi. KHAMIS, FATHIYA; KARAM, NISRINE; GUGLIELMINO, CARMELA; EKESI, SUNDAY; MASIGA, DANIEL; De MEYER, MARC; **KENYA, EUCHARIA**; MALACRIDA, ANNA. (2008). Isolation and characterization of microsatellite markers in the newly discovered invasive fruit fly pest in Africa, *Bacterocera invadens* (Diptera: Tephritidae). **Molecular Ecology Resources** Vol 8 (6): 1509 - 1511.
- xvii. **KENYA, E. U.** (2008). Ch 4 : Biosecurity: Engaging Scientists in Biosecurity – An African Perspective. In 'Promoting Biosafety and Biosecurity within the Life

- Sciences" (Reviewed by Andrew Kigundu, Celestino Obua, David Franz, Miph Musoke, Rachel Chikwamba and Emmaunelle Tuerlings) Pages 107 – 112.
- xxviii. T. AMBUNDO, J. O. OUNDO, R. MANOHAR, J. MBITHI and E. KENYA (2008). Impregnated dry Filter paper as an Alternative medium for Transporting Diarrhoeal Stool Samples. *J. Nature Conservation*, Vol 20 (2): 281 – 291.
- xix. J. KAGAI, S. MPOKE, R. MANOHAR and E. KENYA (2008). Diagnosis of Wuchereria Bancrofti Infection in Kenya: The potential Application of a Molecular Urine Diagnosis. *J. Nature Conservation*, Vol 20 (2): 327 – 336.
- xx. JIMMY H. KIHARA, ELIUD N.M. NJAGI, EUCHARIA U. KENYA, MARIUM T. MWANJE, ADEL E. ODEK, GOVERT van DAM, ANTHONY I. KAHAMA, JOHN H. OUMA. (2009). Urinary soluble egg antigen levels in *Schistosoma haematobium* infection in relation to sex and age of Kenyan schoolchildren following praziquantel treatment. *Trans. of the Royal Soc. of Trop. Med. and Hygiene*: 103, 1024 – 1030.
- xxi. PAUL O. MIREJI, JOSEPH KEATING, AHMED HASSANALI, DANIEL E. IMPOINVIL, CHARLES M. MBOGO, MARTHA N. MUTURI, HUDSON NYAMBAKA, EUCHARIA U. KENYA, JOHN I. GITHURE and JOHN C. BEIER. (2009). Expression of metallothionein and α -tubulin in heavy metal-tolerant *Anopheles gambiae* sensu stricto (Diptera:Culicidae). *Ecotoxicology and Environmental Safety*, 73:46 – 50 (Available online at www.elsevier.com/locate/ecoenv).
- xxii. F. M. KHAMIS, N. KARAM, S. EKESI, M. De MEYER, A. BONOMI, L. M. GOMULSKI, F. SCOLARIS, P. GABRIELI, S. SICILIANO, D. MASIGA, E. U. KENYA, G. GASPERI, A. R. MALACRIDA and C. R. GUGLIELMINO. (2009) Uncovering the tracks of a recent and rapid invasion: the case of the fruit fly pest *Bactrocera invadens* in Africa. *J. Molecular Ecology*, 18:4798 - 4810
- xxiii. ABEL O. ONYANGO, EUCHARIA U. KENYA, JOHN J. MBITHI and MUSA O. NG'AYO. (2009). Pathogenic *Escherichia coli* and food handlers in luxury hotels in Nairobi, Kenya. *J. Travel Medicine and Infectious Diseases*, 7: 359 – 366. (Available online at www.sciencedirect.com/science).
- xxiv. LYDIA KADUKA, YERI KOMBE, EUCHARIA KENYA, ELIZABETH KURIA, JOHN K. BORE, ZIPPORAH N. BUKANIA and MOSES MWANGI (2012). Prevalence of Metabolic Syndrom among an Urban Population in Kenya. *J. Diabetes Care*, 35 (4):887 - 893.
- xxv. ABUBAKAR, L.U., MUTIE, A.M., KENYA, E.U. and MUHOHO, A. (2012). Characterization of Algae oil (oilgae) and its potential as biofuel in Kenya. *Appl. J. Phytotechnology in Environ. Sanitation*. 1 (4):147-153.
- xxvi. DANIEL O. OKUN, FATHIYA M. KHAMIS, GEOFFREY M. MULUVI, JOSEPH J. NGERANWA, FIDELIS O. OMBIRA and EUCHARIA U. KENYA. (2015). Distribution of Indigenous Strains of Atoxigenic and Toxigenic *Aspegillus flavus* and *Aspegillus parasiticus* in Maize and Peanut Zones in Kenya. *J. Agric. and Food Security*. 4 (14): 1-10.
- xxvii. NTHAKANIO, PN, and KENYA, EU (2018). Book chapter - *The Role of Latent Local Technologies and Innovations to Catapult Development in Kenya*. Published in *Decolonial Pedagogy: Examining Sites of Resistance, Resurgence and Revival*. Editors: Njoki Nathani Wane and Kimberly Todd. Publisher – Palgrave Macmillan, Switzerland.

- xxviii. A. C. KIPNYARGIS, F. M. KHAMIS, **E. U. KENYA**, S. EKESI and K. K. FIABOE (2018). Genetic Diversity of Aphid (Hemiptera: Aphididae) species attacking Amaranth and Nighshades in Different Ecological Zones of Kenya and Tanzania. *J. African Entomology*. 26 (2): 407 – 421. <https://doi.org/10.4001/003.026.0407>
- xxix. G. KINYANJUI, F. M. KHAMIS, F. L. O. OMBURA, **E. U. KENYA**, S. EKESI and S. A. MOHAMED (2018). Infestation levels and Molecular Identification Based on Mitochondrial COI Barcode Regions of Five Invasive *Gelechiidae* Pest Species in Kenya. *J. Economic Entomology*. xx (xx): 1 – 11.
- xxx. DANIEL NTHIWA, SILVIA ALONZO, DAVID ODONGO, **EUCHARIA KENYA** and BERNARD BETT (2018). A Participatory Epidemiological Study of Major Cattle Diseases Amongst Maasai pastoralists Living in Wildlife-Livestock Interfaces in Maasai Mara, Kenya. *J. Tropical Animal Health and Production*. 51:1097 – 1103. <https://doi.org/10.1007/s11250-018-01790-1>
- xxxii. DANIEL NTHIWA, SILVIA ALONZO, DAVID ODONGO, **EUCHARIA KENYA** and BERNARD BETT (2019). Zoonotic Pathogen Seroprevalence in Cattle in a Wildlife-Livestock Interface, Kenya. *J. EcoHealth* 16: 712 – 715. <https://doi.org/10.1007/s10393-019-01453-z>
- xxxiii. MICHAEL WALEKHWA, MARGARET MUTURI, REVATHI GUNTURI, **EUCHARIA KENYA** and BEATRICE KABERA (2019). *Streptococcus pneumoniae* Serotype Epidemiology among PCV-10 Vaccinated and Unvaccinated Children at Gertrude’s Children’s Hospital, Nairobi County: A Cross-Sectional Study. *F1000Research*. <https://doi.org/10.12688/f1000research.14387.2>
- xxxiv. MICHAEL WALEKHWA, MARGARET MUTURI, **EUCHARIA KENYA** and BEATRICE KABERA (2019). *Streptococcus pneumoniae* serotype specific anti-microbial susceptibility profiles among PCV-10 vaccinated and unvaccinated Children attending Gertrude’s Children’s Hospital: a cross-sectional Study. *F1000Research*. <https://doi.org/10.12688/f1000research.20486.1>
- xxxv. DANIEL NTHIWA, BERNARD BETT, DAVID ODONGO, **EUCHARIA KENYA**, MARTIN WAINAINA, SANTINA GRAZIOLI, EFREM FOGLIA, EMILIANA BROCCHI and SILVIA ALONZO (2020). Seroprevalence of Foot and Mouth Disease virus in Cattle at a Livestock-Wildlife interface area in Kenya. *J. Preventive Veterinary Medicine*. <https://doi.org/10.1016/j.prevetmed.2020.104929>

Other publications:

- i. **Eucharia Kenya**, Margaret Muturi and Chandré Gould (2012). An Assessment of the Capacity of Research and Diagnostic Laboratories in Nairobi and Surrounds. 84 pages. A publication of a WHO sponsored research.
- ii. A. Drame-Yaye, S. Chakeredza, A.B. Temu, A.Z. Mattee, G. Alemayehu, G. Laswai, W. Mwase, A. Assogbadjo, S.G. Dembele, **E. Kenya**, D. Rukazambuga, A.M. Abdalla, A. Ochola. Production of Contextualized Learning Materials in sub-Saharan African Tertiary Agricultural Institutions: Challenges and Perspectives. 13 pages. 2010.
- iii. **Eucharia Kenya**. (2010). Country Report – Kenya in the BioWeapons Monitor. Editor: Iris hunger, BioWeapons Prevention Project. Pages 43 – 48.
- iv. **Eucharia Kenya** and Margaret Muturi. (2011). Country Report – Kenya in the BioWeapons Monitor. Editor: Iris hunger, BioWeapons Prevention Project. Pages 54 – 60.

13. Conference and Workshop Paper Presentations:

- i. **EUCHARIA KENYA**, ROMANO MWIRICHIA and MARY MWANGI (2020). Bioprospecting Cellulases from Organic Wastes for Ethanol Production in Kenya. The 4th International Conference for Women in Science Without Borders. Organized by The Global Forum for Women in Science, Rio de Janeiro, Brazil. 12 – 14th February 2020.
- ii. NTHAKANIO, PN, and **KENYA, EU** (2016). *The Role of Latent Local Technologies and Innovations to Catapult Development in Kenya*. The 10th Annual Decolonizing the Spirit Conference. Organized by Embu University College and University of Toronto, 19th – 21st July 2016.
- iii. **KENYA, EU**; MUTURI, MW; NJUE, C. and CHERUTICH, A. (2015). *CWC Universality and National Implementation in Africa*. The 20th Session of the Conference of State Parties (CSP-16) to the Organization for the Prevention of Chemical Weapons (OPCW). The Hague, Netherlands. 30th November – 4th December 2015.
- iv. **KENYA, EU**. (2015). *Countering media sensationalization of a Science Indigenous in Africa: Genetically Improved Crops* (Keynote speech). The 9th Annual Decolonization of the Spirit Conference – Indigenous Pedagogies and Cultural Resistance in Education. Organised by the University of Toronto, Toronto, 24 – 25th April 2015.
- v. **KENYA, EU**. (2012). *Prospects of Biofuel Production in Kenya from Microalgae*. International Conference on GM Crops and Foods. Organised by the Faculty of Agriculture, Cairo University, Egypt. 26 – 29th November 2012.
- vi. **KENYA, EU**. (2012). *Promises and Realities of the GM Revolution*. African Science Journalist Conference. Organised by Media in Environment, Science, Health and Agriculture (MESHA). Kenya. 20 – 23rd August 2012.
- vii. **KENYA, EU** and KAREMBU, MW. (2012). *Communicating Biosafety Issues in Modern Biotechnology*. African Science Journalist Conference. Organised by Media in Environment, Science, Health and Agriculture (MESHA). Kenya. 20 – 23rd August 2012.
- viii. **EUCHARIA KENYA**, MARGARET MUTURI and CHANDRE GOULD (2012). *Assessment of Capacity in Research and Diagnostic Laboratories in Nairobi: Implications for Biosafety and Biosecurity*. 1st National Biosafety Conference. Organised by The National Biosafety Authority. Kenya. 6 – 9th August 2012.
- ix. OKUN, D. O., **KENYA, E.U.**, MULUVI, G. M. (2011). *Distribution of Indigenous Isolates of *Aspergillus flavus* and *Aspergillus parasiticus* in Kenya*. International Conference of Women in Science and Engineering (WISE), 28 – 29th September 2011, Malaysia.
- x. **KENYA, E.U** and MUTURI, M.W. (2011). *The Preparedness for Implementation of the Chemical Weapons Convention Requirements in Kenya*. Seminar on OPCW's Contribution in the Security & Non-Proliferation. Organized by the Organization for the Prohibition of Chemical Weapons. 11 – 13th April 2011. The Hague, Netherlands.
- xi. **KENYA, E.U.** and MUTURI, M.W. (2010). *Country Report for Kenya: Bioweapons Monitoring Project*. BioWeapons Monitor Coordination Meeting: A side event of the Expert Committee Meeting of the United Nations

- Bioweapons Convention. 23rd - 27th August 2010, Palaise des Nations, Geneva, Switzerland.
- xii. **KENYA, E.U.** (2010). *Public Acceptance of GM Crops: The OFAB Experience*. An AATF side Event during the 5th African Agriculture Week and FARA General Assembly. 19 - 24th July 2010, Ouagadougou, Burkina Faso.
- xiii. **KENYA, E. U.** (2009). *Encouraging Women in Business: From Challenges to Success*. A Regional Leadership Training Workshop on Reporting on Agriculture and Women. 23rd - 26th February, 2009, Kampala Uganda.
- xiv. **KENYA, E. U.** (2008). *Engaging Scientist in Biosecurity: An African Perspective*. An International Workshop in East Africa: Promoting Biosafety and Biosecurity within the Life Sciences. 11-12th March, 2008, Kampala, Uganda.
- xv. SANG, R. C., CHERUIYOT, P., BURUGU, M. W., KAMAU, L. and **KENYA, E. U.** (2007). *Behavioral Heterogeneity of Kenyan Populations of the Dengue Fever Vector *Aedes aegypti* (L) (DIPTERA: CULICIDAE)*. 11th Symposium of The Biochemical Society of Kenya, 17th - 18th July 2007, Kenyatta University, Nairobi, Kenya.
- xvi. KERAGE, D., **KENYA, E. U.**, GRAHAM, S., SAYA, R., GACHANJA, J., BAJAT, K., HARTY, J. and MWANGI, D. (2007). *Evaluation of the potential of live attenuated recombinant *Listeria monocytogenes* expressing *Theileria parva* genes to induce parasite specific cytotoxic T-cell responses in cattle*. 11th Symposium of The Biochemical Society of Kenya, 17th - 18th July 2007, Kenyatta University, Nairobi, Kenya.
- xv. **KENYA, E. U.** (2006). *Agricultural Biotechnology: The Role of Women within the African Context*. A paper presented at the Third World Organization of Women in Science - Third General Assembly and International Conference: Women's Impact on Science and Technology in the New Millennium, 21st - 25th November, 2005, Bangalore, India.
- xvi. **KENYA, E.U.** and OCHANDA, J. O. (2004). *Genetically Modified Organisms and the Environment: An African Perspective*. Background Paper prepared for the **African Environment Outlook - 2 Consultative Meeting, UNEP-DEWA**, 26 - 29 April 2004.
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