

## CURRICULUM VITAE

### PERSONAL INFORMATION

<b>Name</b>	Godfrey Omare Mauti (PhD)
<b>Address</b>	Bomet University College, P. O. Box 701-20400, Bomet
<b>Mobile No.</b>	0704359144
<b>E-mail</b>	<a href="mailto:gomare@buc.ac.ke">gomare@buc.ac.ke</a>
<b>Date of Birth</b>	11.09.1986
<b>Languages</b>	Fluent in English and Swahili
<b>Sex</b>	Male
<b>Marital Status</b>	Married
<b>Nationality</b>	Kenyan



### PERSONAL STATEMENT AND RESEARCH PLAN

My current and future research interest are on zoogenesis and plant-insect/pest/microbes interaction. Interest in zoogenesis came about from various studies concerning the ability of wild animals and birds being able to cause diseases that are of human awareness. Research on plant-insect/pest/microbes interaction, which involves the characters and behaviour of the affected organism and the plant component that bring about the effects. The backbone of my research interests is the existence of natural products in the environment which have proven to be effective against pathogens and have effects on insects, pests, parasites and animals in one way or another. Natural products in form of compounds that exist in plants sustain the plant's survival in its natural environment this involves the growth of a plant, survival during the invasion by other plants, coexistence with other plants, insect/pest repellent, protection against damage by microorganisms, insects, pests, wild animals and rodents during storage and protection of the plant produces. My educational background and teaching experience have increased my knowledge, ability and diversity in creating links in the fields of biotechnology, zoology and entomology thus, attaining scientific research academic prosperity leading to securing research funds and grants to my institution and for my studies. These achievements were enhanced by my enthusiastic, self-motivated, hardworking with integrity characters and level headed on my duties even under pressure with minimum supervision, furthermore the flexible to work anywhere my expertise is required.

### CURRENT DESIGNATION

Lecturer Zoology and Biotechnology in the School of Pure and Applied Sciences at Bomet University College – Kenya

### ACADEMIC FIELD AND SPECIALITY

Zoology

### EDUCATION

<b>2014 – 2020</b>	Ph.D. Zoology - University of Dar es Salaam (Tanzania)
<b>2009 – 2011</b>	M.Sc. Biotechnology - Periyar University (Tamilnadu, India)
<b>2006 – 2009</b>	B.Sc. Biotechnology - Periyar University (Tamilnadu, India)
<b>2015 – 2016</b>	Post Graduate Diploma in Higher Education - Kampala International University in Tanzania (KIUT)

### TEACHING EXPERIENCE AND POSITIONS

<b>Feb 2021-Current</b>	Lecturer – Bomet University College (BUC)
<b>July 2020 – Jan 2021</b>	Lecturer – Kampala International University in Tanzania (KIUT)
<b>Sep 2012 – Nov 2019</b>	Tutorial fellow - Kampala International University in Tanzania (KIUT)

### RESPONSIBILITIES

<b>Sept 2020-Current</b>	Reviewer – Psyche: A Journal of Entomology, Hindawi Publishers
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June 2020-Jan 2021	Head of Department – Department of Biological Sciences, Kampala International University in Tanzania (KIUT)
Feb 2020-Current	Editorial board member - International Journal of Zoology and Animal Biology (IZAB), MedWin Publishers
Jan 2019-current	Reviewer – Polish Journal of Entomology, SCIENDO, De Gruyter Publishers
Feb 2018 -current	Reviewer – African Journal of Applied Zoology and Environmental Biology, African Journals online publishers

#### ORGANIZATION MEMBERSHIP

2014-Current	A member of DAAD - NAPRECA
2019-Current	A member of Biochemistry and Biotechnology Society of Kenya (BBSK)

#### AWARDS & SCHOLARSHIPS

2017-2020	National Council of Science, Technology and innovation (NACOSTI) research grant.
2014-2017	NAPRECCA-DAAD in-region - PhD. Scholarship.
2010-2011	Jawaharlal Nehru Memorial Fund research grant.
2009-2011	ICCR Scholarship under African Scholarship scheme – M. Sc. Scholarship

#### CURRENT RESEARCH ACTIVITIES

2017-current	Extracellular lipase production by <i>Aspergillus</i> and <i>Rhizopus</i> species from petroleum contaminated soil in relation to 26s RNA – Sponsored by National Commission for Science, Technology and Innovation (NACOSTI) Ref. No: NACOSTI/RCD/ST&15 <sup>th</sup> CALL/PhD/062
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#### COMPLETED RESEARCH ACTIVITIES

2014-2020	Deterrent properties of <i>Dioscorea sansibarensis</i> Pax. (Dioscoreaceae) on <i>Bruchus chinensis</i> Pic. 1902 (Coleoptera: Bruchidae) in the protection of stored <i>Phaseolus vulgaris</i> L. (Fabaceae) - Sponsored by DAAD – NAPRECA
2010-2011	Screening of bioactive secondary metabolites from sea sponge ( <i>Clothria indica</i> ) associated bacteria against Urinary Tract Pathogens ( <i>Vibrio</i> sp., <i>Pseudomonas</i> sp., and <i>Streptococcus</i> sp.) - Sponsored by Nehru Trust grant.

#### SKILLS AND COMPETENCIES

- Leadership and team work skills.
  - Expatriate in laboratory techniques i.e., Microscopy, Spectrophotometry, Electrophoresis, Blotting techniques, Cell culture, Gene sequencing (Next generation sequencing), Hybridization, Gene cloning and DNA technology, MALDI-TOF-MS, Chromatography (Column, GC-MS, LC-MS), NMR.
  - Strong presentation, communication skills and publication skills, using models, charts and graphs
  - Good computing skills (Word processor, Spread sheet, Presentation software).
  - Good analytical and interpretational skills in phytochemistry, biostatistics (Excel, SPSS, SAS, Instat and Minitab).
- Creative, implementation and self dedicated skill

#### CERTIFICATES, SHORT COURSES (CAPACITY BUILDING)

1 <sup>st</sup> Apr – 31 <sup>st</sup> May 2019	“Partnerships for sustainable solutions with Sub-Saharan Africa: Bio-economy” Interdisciplinary research under SciFinder, Taxonomy, NMR-MS, Structure elucidation, Absolute stereochemistry, Environmental Microbiology, Pharmaceutical and Natural Product Biotechnology – DAAD, Technical University of Dortmund, Egerton University, Perceval pharmaceuticals, Federal Ministry of Education and Research (Germany)
12 <sup>th</sup> Sept - 20 <sup>th</sup> Sept 2010	“Certificate program on Bioinformatics” - Sai’s Bioscience Research Institute Private limited and AVS College of Arts and Science.

SEMINARS	
5 <sup>th</sup> Mar – 16 <sup>th</sup> Mar 2018	“Gender in Rural entrepreneurship” Ph.D. level course (7.5 ECTS) - Swedish University of Agricultural Sciences and University of Dar es Salaam
27 <sup>th</sup> Mar - 10 <sup>th</sup> Mar 2017	“Science and Leadership for Transforming Institutions” Postgraduate level course (3 ECTS) - Swedish University of Agricultural Sciences and University of Dar es Salaam
5 <sup>th</sup> Oct-6 <sup>th</sup> Oct 2016	Being an effective University Educator - Kampala International University

### WORKSHOPS

25 <sup>th</sup> Aug – 29 <sup>th</sup> Aug 2015	16 <sup>th</sup> NAPRECA Pre-symposium Workshop on NMR for the Structural elucidation of Natural Products, Nano-medicine and Computer-Aided Drug Design” – Nelson Mandela African Institute of Science and Technology, Arusha, Tanzania.
27 <sup>th</sup> Jul - 30 <sup>th</sup> Jul 2015	“Tapping into e-resources for DAAD Scholars” – DAAD and Information Training & Outreach Centre for Africa (ITOCA) at White Sands Hotel in Dar es Salaam, Tanzania.
16 <sup>th</sup> Aug - 17 <sup>th</sup> Aug 2010	“Hands-on Training in Phytochemistry” - Bogar Herbal Research Centre
24 <sup>th</sup> Jun - 30 <sup>th</sup> Jun 2010	Workshop on RFLP and RAPD at Medox Biotech India Pvt. Ltd and AVS College of Arts and Science.
24 <sup>th</sup> Feb 2010	Recent Trends in Molecular Techniques - AVS College of Arts and Science.

### RESEARCH INTERESTS AND PUBLICATIONS

ORCID	<a href="https://orcid.org/0000-0001-9288-8198">https://orcid.org/0000-0001-9288-8198</a>
Google Scholar, ResearchGate, Academic.edu PubAg, U.S. Department of Agriculture (USDA)	Godfrey Omare Mauti

### INTERNATIONAL CONFERENCE (ORAL AND POSTER PRESENTATIONS)

14 <sup>th</sup> –16 <sup>th</sup> Oct 2021	International synthetic biology and biosecurity conference in Africa - Ginkgo Bioworks, USA
22 <sup>nd</sup> –24 <sup>th</sup> June 2021	1 <sup>st</sup> Bomet University College International Conference. <b>THEME:</b> Towards a sustainable green economy - Bomet University College
11 <sup>th</sup> Sept-13 <sup>th</sup> Sept 2019	Godfrey Omare Mauti, Eliakim Mbaka Mauti, Mauti, Barasa Ambrose and David Keno Kowanga (2015) Anticancer Activity of <i>Eugenia jambolana</i> Seeds on Human Epithelial Type 2 (Hep-2) cells. <i>Journal of Phytopharmacology</i> , 4(6):295-298. <b>THEME:</b> Natural products approach on the eradication of non-communicable diseases – KIU-Research Dissemination & Innovation Conference
1 <sup>st</sup> - 5 <sup>th</sup> Apr 2019	Chemosensory response of the <i>Phaseolus vulgaris</i> L. (Fabaceae) weevil ( <i>Bruchus chinensis</i> LINNAEUS, 1758 (Coleoptera: Chrysomelidae)) to <i>Dioscorea sansibarensis</i> PAX. (Dioscoreaceae) bulbil essential oil. - Research week of the College of Natural Science (CONAS) at UDSM (Tanzania).
8 <sup>th</sup> Feb - 10 <sup>th</sup> Feb 2018	Evaluation of the repellent effect of <i>Dioscorea sansibarensis</i> PAX (Dioscoreaceae) leaf essential oil against <i>Bruchus chinensis</i> LINNAEUS, 1758 (Coleoptera: Bruchidae). <b>THEME:</b> Utilization of Natural Products for the Betterment of the livelihood of Mankind – NAPRECA- K, SAJOREC, JKUAT.

1. **Godfrey Omare Mauti** (2021). Potency of *Dioscorea sansibarensis* (Dioscoreaceae) Leaf Eluates on *Callosobruchus chinensis*, Linnaeus 1758 (Coleoptera: Bruchidae) in the Protection of *Phaseolus vulgaris* (Fabaceae). African Journals Online, 47(3), 1330-1337. [doi.org/10.4314/tjs.v47i3.40](https://doi.org/10.4314/tjs.v47i3.40)
  2. **Godfrey Omare Mauti**, Peter F. Kasigwa, Joan J.E. Munissi and Justus M. Onguso (2020). Antioviposition and Reduction of *Callosobruchus chinensis* Pic. 1902 (Coleoptera: Bruchidae) Emergence on *Phaseolus vulgaris* by *Dioscorea sansibarensis* Powder and Its Chemical Composition. Psyche: A Journal of Entomology, 2020 (3298479) 1-6. [doi.org/10.1155/2020/3298479](https://doi.org/10.1155/2020/3298479)
  3. Asiimwe Debrah., **Godfrey Omare Mauti** and Kiconco Rita (2020). Prevalence and Risk Factors Associated with Type 2 Diabetes in Elderly Patients Aged 45-80 Years at Kanungu District. Journal of Diabetes Research, Hindawi 2020, ID 5152146 (2020) 1. [doi.org/10.1155/2020/5152146](https://doi.org/10.1155/2020/5152146)
  4. **Godfrey Omare Mauti**, Peter F. Kasigwa, Joan J.E. Munissi and Justus M. Onguso (2019). Chemosensory response of the *Phaseolus vulgaris* L. (Fabaceae) weevil (*Bruchus chinensis* LINNAEUS, 1758 (Coleoptera: Bruchidae)) to *Dioscorea sansibarensis* PAX. (Dioscoreaceae) bulbil essential oil. Polish Journal of Entomology 88 (2): 185–197. [doi.org/10.2478/pjen-2019-0014](https://doi.org/10.2478/pjen-2019-0014)
  5. **Godfrey Omare Mauti**, Peter F. Kasigwa, Joan J.E. Munissi and Justus M. Onguso (2019). Evaluation of the repellent effect of *Dioscorea sansibarensis* PAX (Dioscoreaceae) leaf essential oil against *Bruchus chinensis* LINNAEUS, 1758 (Coleoptera: Bruchidae). Polish Journal of Entomology 88 (2): 119–128. [doi.org/10.2478/pjen-2019-0009](https://doi.org/10.2478/pjen-2019-0009)
  6. **Godfrey Omare Mauti**, Justus Onguso, David Keno Kowanga and Eliakim Mbaka Mauti, (2016). Biodegradation of Oil Spill by *Aspergillus niger* isolated from petroleum-contaminated soil in a Tropical Country. *Journal of Scientific and Innovative Research*, 5(1): 15-18. Available online at: [www.jsirjournal.com](http://www.jsirjournal.com)
  7. David Keno Kowanga, **Godfrey Omare Mauti** and Eliakim Mbaka Mauti (2016). Effect of crude and defatted *Moringa oliefera* seeds as natural coagulants in the removal of physical, chemical and bacteriological parameters from turbid river water. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 6(2):19-25. Available online at [www.ijpcbs.com](http://www.ijpcbs.com)
  8. David Keno Kowanga, Erastus Gatebe, **Godfrey Omare Mauti** and Eliakim Mbaka Mauti (2016). Comparative Studies of Alum, *Maerua subcordata* Root Tuber Powder and Juice Extract as Coagulation/flocculation agents. *International Journal of Pharmaceutical, Chemical and Biological Sciences*, 6(2): 244-250. Available online at [www.ijpcbs.com](http://www.ijpcbs.com)
  9. Denis Mabeya Ogato, Eliakim Mbaka Mauti, **Godfrey Omare Mauti**, Barasa Ambrose and David Keno Kowanga (2015) Anticancer Activity of *Eugenia Jambolana* Seeds against Hep2 cell lines. *Journal of Phytopharmacology*, 4(6):295-298. Online at: [www.phytopharmajournal.com](http://www.phytopharmajournal.com)
  10. Denis Mabeya Ogato, Eliakim Mbaka Mauti, **Godfrey Omare Mauti**, David Keno Kowanga and Geoffrey Arasa Ouno. (2015). Antimicrobial Activity of *Eugenia Jambolana* Seeds against Foodborne Isolates. *Journal of Scientific and Innovative Research*, 4(6):232-236. Available online at: [www.jsirjournal.com](http://www.jsirjournal.com).
  11. David Keno Kowanga, **Godfrey Omare Mauti** and Eliakim Mbaka Mauti (2015). Biosorption for Lead (II) ions from Aqueous Solutions by the Biomass of *Spyridia filamentosa* Algal Species found in the Indian Ocean. *Journal of Scientific and Innovative Research*, 5(1): 218-220. Available online at: [www.jsirjournal.com](http://www.jsirjournal.com).
  12. **Godfrey Omare Mauti**, Eliakim Mbaka Mauti Geoffrey Arasa Ouno and Benard Mabeya. (2015). Antibacterial Activity of Garlic, Tulsi, Bitter guard and Cinnamon Extracts against Wound Pathogens. *Journal of Scientific and Innovative Research*, 4(4):178-181. Available online at: [www.jsirjournal.com](http://www.jsirjournal.com).
  13. Eliakim Mbaka Mauti, **Godfrey Omare Mauti**, Justus Onguso and David Keno Kowanga (2015). An investigative study of dwarf mango (Boribo Muyini) seed kernel extract against inflammatory agent *Staphylococcus aureus*. *Journal of Scientific and Innovative Research*, 4(5):200-202. Available online at: [www.jsirjournal.com](http://www.jsirjournal.com).
  14. Eliakim Mbaka Mauti, **Godfrey Omare Mauti** and Geoffrey Arasa Ouno (2014). Molecular Identification of Soil Bacteria by 16srDNA Sequence. *Journal of International Institute for Science, Technology and Education*, 3(14):51-58. Available online at: <http://www.iiste.org>
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- 15. Godfrey Omare Mauti** and Eliakim Mbaka Mauti (2013). Screening of Bioactive Secondary Metabolites from Sea Sponge (*Clothria indica*) against Bacteria Associated with Urinary Tract Pathogens. *HURIA Journal of The Open University of Tanzania*, 15:92-104. Available online at: <http://www.out.ac.tz>
- 16. Geoffrey Arasa Ouno** and **Godfrey Omare Mauti**, (2013). Isolation, Identification and Characterization of Urinary Tract Infectious Bacteria and the Effect of Different Antibiotics. *Journal of International Institute for Science, Technology and Education*, 3(6):150-159. Available online at: <http://www.iiste.org>
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Director of Human Resource  
Bomet University College  
P. O. Box 701-20400, Bomet-Kenya  
E-mail: [hr@buc.ac.ke](mailto:hr@buc.ac.ke)

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