



CURRICULUM VITAE

Abednego Moki Musyoki

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PERSONAL DETAILS

- Date of Birth: 26th July 1983
- Place of Birth: Kitui, Kenya
- Citizenship: Kenyan
- Gender: Male
- Marital Status: Married
- Language: English, Chinese, Kiswahili, Kikamba

EDUCATIONAL BACKGROUND

- **Doctor of Philosophy (Ph.D.) in Medical Microbiology**, University of Chinese Academy of Sciences, Beijing, China from September 2013 to July 2016.
- **Thesis Title:** *'Structural and functional characterization of ESX-1 system secreted proteins of Mycobacterium tuberculosis and fibronectin binding protein of Streptococcus suis'*
- **Teaching Methodology Certificate**, Kenyatta University, Centre for Teaching Excellence and Evaluation- May to November, 2013
- **Master of Science (M.Sc.) in Infectious Diseases**, Kenyatta University, Kenya, from September 6, 2008 to July 1, 2011.
- **Theses Title:** *Bacteriological Quality of Dandora Sewage Treatment Plant and Receiving Waters of Nairobi and Athi Rivers*
- **Bachelor of Science (B.Sc.) in Medical Laboratory Sciences**; Kenyatta University, Kenya, from, May 3, 2004 to December 12, 2007
- **Certificate in Quality Management System (QMS), Internal Quality Auditing**, Kenya Bureau of Standards (KEBS)- 5th to 7th September, 2011
- **Kenya Certificate of Secondary Education (KCSE)**; Ikutha Boys' Secondary School, Kitui, Kenya, from February 1998 to November 2001

WORK EXPERIENCE

1. TEACHING EXPERIENCE

- **LECTURER** -Department of Medical Laboratory Science, Kenyatta University-September 2016 to date (**5 YEARS**)
 - Teaching Bacteriology courses in undergraduate and postgraduate programs
- **TUTORIAL FELLOW (TF)**. Department of Medical Laboratory Science, Kenyatta University- January 2013 to August 2016 (**3 YEARS**).
 - Teaching Bacteriology courses in undergraduate programs
- **PART-TIME LECTURER (2 YEARS)**
 - Department of Medical Laboratory Science, Kenyatta University, Nairobi-September 2011 to December, 2012
 - Department of Medical Laboratory Sciences, Mount Kenya University, Thika- January to December, 2012.

- **TEACHING ASSISTANT** – Department of Medical Laboratory Science, Kenyatta University, Nairobi- August 2009 to July, 2011 (**2 YEARS**)
 - Duties: Assisting Bacteriology lecturers in undergraduate programs

2. RESEARCH

- Antimicrobial resistance surveillance

3. CONSULTANCY

- Consultancy for Kenya Antimicrobial Resistance [AMR] Program (KE1_P01049) by American Society for Microbiology Global Public Health Programs from 5th July to 30th August, 2022.

4. GRANTS

- **KNH RESEARCH GRANT (ksh. 400,000.00) for a study** titled “Spectrum, antimicrobial susceptibility patterns and molecular characteristics of bacterial pathogens among covid-19 patients admitted at Kenyatta National Hospital, Kenya” from 25th February 2022– 24th February 2023.

CONFERENCES, SEMINARS, AND WORKSHOPS

- Mutua, J.M., Musyoki, A.M & Njeru, J.M. Multidrug resistant bacterial infections in severely ill COVID-19 patients admitted in a national referral and teaching hospital, Kenya. 28th Medical Laboratory Scientific & Exhibition Conference, held on 10-13th October, 2023, Diamonds Leisure Beach & Golf Resort, Dian, Mombasa, Kenya.
- Mutua, J.M., Musyoki, A.M & Njeru, J.M. Multidrug resistant bacterial infections in severely ill COVID-19 patients admitted in a national referral and teaching hospital, Kenya. UoN-KNH 6th International Conference on Health (ICH 2023) presented virtually on 12th October, 2023 during UoN-KNH 6th International Conference on Health (ICH 2023), Kenya.
- Mutua, J.M., Musyoki, A.M & Njeru, J.M. High Rate of Multidrug Resistant Bacterial Infections in Critically Ill Covid-19 Patients Admitted at The Peak of Pandemic in A National Referral Hospital, Kenya. International Congress on Infectious Diseases 2022, Held in Kuala Lumpur, Malaysia, Oral Session 7: COVID-19, Date: Sunday, Nov 20, 2022 Time: 08:00-09:00, Venue: Conference Hall #3 (CH3).
- Kenyatta University & University of Kwazulu-Natal Zoom Webinar on Writing research publications & Supervision models, held on Friday, 14 th April 2023, 9.00 hrs-13.20 hrs.
- Facilitators: Prof Simon B. Khoza & Dr Cedric B. Mpungose (UKZN)
- Tangaza University TLG in Partnership with KU/DePaul Sustainable Leadership for Organizations Webinar: Planning in uncertain times held on 30th March 2023
- “Constructive peer review” online training: 2022 Nature Communications Early Career Researcher (ECR) peer review mentoring program held on 15th July, 2022 organized by Nature Communication Journals.
- A virtual workshop on the new research information system (KENRIS) and science, Technology and Innovation (STI) mainstreaming held on 19th May 2022 by the KU Research Support & National Commission for Science Technology and Innovation, Nairobi, Kenya.
- Supporting research and innovation on One Health AMR surveillance" 23-24 March 2022, Online Workshop organized by The Joint Programming Initiative on Antimicrobial Resistance (JPIAMR)
- IPR-KEMRI Symposium ‘The status of Bacteriophage Research in Kenya’ held on March 21, 2022 at Ole Sereni Hotel, Nairobi, Kenya.
- Implementation Research Methodology and Applications Training Workshop organized by African Population and Health Research Center on February 7-11, 2022 at Kabira, County Club, Kampala, Uganda.

- Stakeholders workshop for Development of Medical laboratory Science Curriculum Development organized by Kabarak University Guest House, Nakuru, Kenya on 30th November to 3rd December 2021.
- Capacity Building Webinar on Green Economy and Sustainability. Organized by The United Nations Educational, Scientific and Cultural Organization (UNESCO) on 28th October 2021.
- Online Workshop on Commercialization of Research. Organized by Internalization and Transfer and Director of Africa Institute and Centre for Research on Service Science (CROSS0, Neu-Ulm University of Applied Sciences, 13th to 14th July 2021.
- Synthetic Biology Stakeholders' Online Workshop, organized by the International Service for the Acquisition of Agri-biotech Application (ISAAA) AfriCenter and Partners. Held on March 29th, 2021.
- Pedagogical Skill Training, organized by the Centre for the Teacher Professional Development and Excellence, Kenyatta University, from 29th September to 2nd October 2020.
- MLS MSc and Ph.D. curricula Review Workshop held at Kenyatta University Conference Centre, Kenya on 29th and 30th August 2019.
- Capacity Building Training Workshop on Collaborations and Partnerships, at Kenyatta University Conference Centre, on 17th July 2019.
- Awareness training on New Learning Management system (LMS) at the Student's Computer Laboratory, on Tuesday 18th September, 2018
- Workshop on System Science and Industrial Engineering, at Kenyatta University Central Administration Senate Boardroom, on Friday 14th September, 2018.
- Second East African Phage Laboratory Training Workshop held at Pwani University in Kilifi, Kenya, held on 24th of June to 7th July 2018, organized by Phages for Global Health Scientific Consultant, Fullbright Specialist Program 383 62nd Street Oakland, CA 94618, USA
- Awareness Training on ISO 27001, Information Security Management Systems (ISMS), at Business and Students Service Centre (BSSC), on 17th June, 2018.
- National Research Fund Workshop, Kenyatta University, Nairobi- Kenya- January 2018
- Key pathogenic Microbiology and Immunology Conference, Beijing, China- May 2016
- CAS-TWAS Biotechnology Conference, Beijing- June 2015.
- Innovative Teaching Methodologies and Clinical Mentorship workshop conducted by Kenyatta University in collaboration with University of Maryland School of Medicine-Partnership for Advanced Clinical Education (PACE) project at KUCC from 19th- 23rd August 2013.
- Training on Innovative Teaching Methodologies and Clinical Mentorship Workshop, organized by Partnership in Advanced Clinical Education (PACE) a joint program of the University of Nairobi and University of Maryland School of Medicine.
- Teaching Methodology, organized by Centre for Teaching Excellence and Evaluation, Kenyatta University, Kenya, from 28th May to 14th November 2013.
- 'Publishing Scientific Research' seminar by Springer conducted at Kenyatta University Conference Centre- 30th May 2013.
- Germany Academic Service (DAAD) Ph.D. Proposal Writing Workshop, Kenya, 28th February, 2013
- Postgraduate Seminar, Graduate School, Kenyatta University, Kenya- 9th June 2011
- ISO 9001:2008 Quality Management Systems (QMS) Awareness training, Kenyatta University, Kenya, March 2011
- 18th Institute of Primate Research (IPR) International Biomedical Research Conference, Nairobi, Kenya, August, 2010
- Laboratory Animal Sciences workshop held at the institute of Primate Research (IPR), Nairobi, Kenya- 5th July, 2010
- Ethics in Ministry, Discipline in service and conducting ministry in Church, Christian foundation fellowship, Nairobi, Kenya, April 2, 2010

- Data Analysis Conference held at Students' computer Center, Kenyatta University, Kenya- 26 August-September 2009

VOLUNTEER WORK AND COMMUNITY SERVICE

- Commonwealth I am Able Campaign organized by Commonwealth Youth Council- United Cultural Empowerment and Social Community organization (UCESCO) -February, 2017
- Ethics, Discipline and conduct in church ministry, conducted by Christian Foundation Fellowship- April, 2010.
- Environmental clean-up and tree planting; National Environment Management Authority & Municipal Council of Thika – 2nd August, 2008
- Enumerator in the USAID- DAP Ikutha / Yatta Food Security Project Kitui South and West) Baseline Survey carried out by ADRA Kenya – March 2004.

MEMBERSHIP AND RESPONSIBILITIES

- Member, School Board of Undergraduate Studies and Curriculum Review Committee, School of Health Sciences, Kenyatta University, from 3rd January, 2023.
- Departmental Examinations Coordinator Department of Medical Laboratory Science, School of Medicine, Kenyatta University, from 1st April 2021 to 9th April 2023.
- Chairman, Departmental Marks Verification Committee, Department of Medical Laboratory Science, School of Medicine, Kenyatta University, from November 2016 to 9th April 2023.
- Member, Departmental ISO Quality Committee, Department of Medical Laboratory Science, School of Medicine, Kenyatta University, from November 2016 to date
- Member, Kenya Medical Laboratory Science Technicians and Technologists Board, 2018 to date
- Member, American Journal of Microbiology
- Acting Chairman, Department of Medical Laboratory Science, from 18th to 31st March 2021 and 1th April to 4th May 2021.
- Departmental Examinations Coordinator, Department of Medical Laboratory Science, School of Medicine, Kenyatta University- September, 2016 to-November 2020.
- Chairman, Departmental Program Development committee, from 28th September 2020 to May, 2021
- Departmental IPR Representative, Department of Medical Laboratory Science, School of Medicine, Kenyatta University- September, 2016 to 2020
- Departmental Innovation Champion, Department of Medical Laboratory Science, School of Medicine, Kenyatta University- September 2016 to 2020
- Member, Departmental Risk Register Committee, Department of Medical Laboratory Science, School of Medicine, Kenyatta University, 19th February, 2019 to September, 2020.
- Acting Chairman, Department of Medical Laboratory Science, from August 13th to September 24th 2018.
- Member, American Society of Microbiology (ASM) 2017 to date
- Member, Kenyatta University Christian Union (KUCU), 2004-2007
- Member, Uttermost Evangelistic Team (UET), 2004-2007
- Patron, Kenya School of Medical Science and Technology (KSMST) Christian Union - May 2008 to August 2009

EXTERNAL BOARD MEMBERSHIP

1. Editorial Board Member, International Journal of Novel Research in Life Sciences, <https://www.noveltyjournals.com/editorial.html>. From May, 2022 to date.
2. Board of Management, Masimba Mixed Secondary School, Kitui, from June, 2022 to date
3. Chairman, Academic Standards Subcommittee, Board of Management of Masimba Mixed Secondary School, Kitui, from March, 2023 to date

PEER REVIEWER

1. Dove Press, infection & Drug Resistance

2. Nature Communication
3. Asian Journal of Research in Biochemistry
4. Journal of Advances in Medical and Pharmaceutical Sciences
5. Microbiology Research Journal International

INTEREST

Antimicrobial resistance, Microbial-host cell interaction studies

POSTGRADUATE STUDENTS SUPERVISION

A. COMPLETED SUPERVISION AFTER LECTURER APPOINTMENT IN THE YEAR 2016

1. Musa A. Ali- P150/CE/25871/2014. Zoophilic Mosquitoes Diversity, Blood-Meal Sources and Arbovirus Carriage at Wildlife-Human Interfaces (MSc Infectious Diseases). Graduated in July, 2021.
2. Bilan Ali Nor-Reg No. P150F/37200/2016. MSc Infectious Diseases Thesis title '*Shigella serogroups distribution, antimicrobial susceptibility and risk factors of shigellosis among children presenting with diarrhea at Banadir hospital in Mogadishu, Somalia*'. Graduated in July 2022 Graduation.
3. Jeniffer Munyiva Mutua-Reg. No. P150/CTY/PT/28473/2018. MSc Infectious Diseases Thesis entitled '*Spectrum, Antimicrobial Susceptibility Patterns and Molecular Characteristics of Pathogenic Bacteria among Hospitalized Covid-19 Patients at Kenyatta National Hospital, Kenya*'
4. Fred Kipsang- Reg. No. P150/CTY/PT/26853/2018. MSc Infectious Diseases Thesis entitled '*Multidrug-resistant Acinetobacter baumannii among patients admitted to intensive care unit at Moi Teaching and Referral Hospital, Uasin Gishu County, Kenya*'. *Awaiting December, 2023 Graduation*
5. Margaret Wairimu Nganga- Reg. No. P150/CTY/PT/26853/2018. MSc Infectious Diseases Thesis title '*Stability and performance evaluation of locally developed dried tube specimen panels for Xpert MTB/RIF proficiency testing at national tuberculosis reference laboratory, Kenya*'. *Awaiting July, 2024 Graduation*

B. CURRENT SUPERVISION AT VARIOUS STAGES

I. AWAITING THESIS DEFENCE

6. Mutuma Kirito Caroline- Reg. No. P154/27475/2018. MSc Infectious Diseases Thesis entitled '*Gastrointestinal Carriage and Risk Factors of Carbapenem-Resistant Enterobacteriaceae among Children Admitted at Mama Lucy Kibaki Hospital in Nairobi County, Kenya*'.
7. Jane Wairimu Maina-Reg. No. A P150/Ce/28964/2016 MSc Infectious Diseases Thesis Entitled '*Spectrum, Antibiotic Susceptibility, Molecular Characteristics of Carbapenem-Resistant Gram-Negative Bacteria Among Patients In Intensive Care Unit At Nairobi West Hospital, Kenya*'

II. WRITING THESIS

8. Anthony Karoki Maina -Reg. No. P154/20455/2020. MSc Infectious Diseases Thesis entitled '*Gastrointestinal Carriage of Vancomycin-Resistant Enterococci and Carbapenem-Resistant Gram-Negative Bacteria among Inpatients and Outpatients at Kiambu County Referral Hospital, Kenya*'
9. Polly N. Mubassu- Reg. No. P150/CTY/PT/26118/2018.MSc Infectious Diseases Thesis entitled '*Reservoirs, antibiotic susceptibility, and molecular characterization of Pseudomonas aeruginosa in community- and hospital-environments in Kisumu County, Kenya*'

10. Suleiman Athuman Mwatenga- Reg. No. P150/CTY/PT/25602/2014). MSc Infectious Diseases Thesis entitle '*Molecular characterization of drug resistant tuberculosis among inmates at Shimo La Tewa Prison in Mombasa County, Kenya*'

II. DATA ANALYSIS

11. Kiongo Kagwiria Norah- Reg. No. P154/27691/2019. MSc Infectious Diseases Thesis entitled '*Carbapenem-Resistant Bacteria Urinary Tract Infections and Associated Factors among People Living with HIV at Embu Level 5 Hospital, Embu County, Kenya*'
12. Gabriel Miring'u Mwendu- Reg. No. P150/CTY/PT/37100/2017. MSc Infectious Diseases Thesis entitled '*Development of a Multiplex Polymerase Chain Reaction for Diagnosis of Bacterial Septicemia among Children Under Five Years in Kiambu County, Kenya*'

III. DATA COLLECTION

13. Ontweka Lameck Nyangena -Reg. No. P97/28139/2018. PhD in MLS Thesis entitled '*Molecular Characteristics and Aptamer Development for Vibrio Cholera Detection in Water Reservoirs in Kenya during Endemic Periods*'
14. Mike Powel Osita- Reg. No. P150/CTY/PT/27956/2018. MSc Infectious Diseases Thesis entitled '*Molecular characterization of extended- spectrum beta-lactamase producing Enterobacteriaceae among urinary tract infection cases at Tabitha Clinic in Nairobi City County, Kenya*'
15. .Veronica Wangechi Kariuki-Reg. No. P150/CTY/PT/34698/2016. MSc Infectious Diseases Thesis entitled '*Prevalence and Risk Factors of Drug Resistant Tuberculosis among Patients with Pulmonary Tuberculosis at Murang'a Country, Kenya*'.
16. Christopher Omondi Ochieng- Reg. No. P150/CTY/PT/26318/2018. MSc Infectious Diseases Thesis entitled '*Molecular Characterization of Multidrug Resistant Escherichia Coli Isolated from Patients with Moderate to Severe Diarrhea at Kisumu County Referral Hospital, Kenya*'.

THESIS EXAMINATION

1. John Kariuki Njenga - Reg. No. **Ph.D.** Thesis title '*Total Blood Volume, Iron Status and Hematological Profiles of Whole Blood Donors at Kenyatta National Hospital, Nairobi City County, Kenya*'. **November, 2022.**
2. James Kinoti Njue- Reg. No. **Ph.D.** Thesis title '*Human Papilloma Virus Prevalence, Types and Factors Associated with Cervical Abnormalities among HIV Positive and Negative Women in Eastern Kenya*'. **May, 2022.**
3. Godfrey Adongo Ogulla- Reg No. P150/CE/23906/2012. **MSC.** Thesis entitled '*Blood Cellular Component Changes and Haemoglobin Genotypes in Children with Malaria and Bacteraemia Co-Morbidity in Siaya County Referral Hospital, Kenya*'. **March, 2022.**
4. Onesmus Muia Mutuku- Reg No. P97/25871/2018. Ph.D. Thesis title '*Comparative analysis of manual liquid-based cytology, histopathology and HPV DNA testing among HIV positive women at Machakos County Hospital, Kenya*'. December, 2021.
5. Purity Musili- Reg No. P150/31030/2015. MSC. Thesis entitled '*Occurrence of Bacteriuria and Antibiotic Sensitivity Profile among Sexually Active Non-Pregnant Women Attending Thika Level 5 Hospital*'. February, 2019.
6. Mbuthia Oliver Waithaka- Reg No. P150/CE/25788/2014. MSC. Thesis entitled '*Antibiotic Susceptibility Profile of Bacterial Isolates from stool in Children Below Five Years with Diarrhoeal Disease in Murang'a County, Kenya*'. September, 2018.
7. Joseph Waichungo Gititu- Reg No. P150/CE/27831/2013. MSC. Thesis entitled '*The Prevalence of Multidrug Resistant Enteric Bacteria among Hospitalized Children with and without Severe acute Malnutrition at Three Hospitals in Kenya*'. July, 2018.
8. Godfrey Adongo Ogulla- Reg No. P150/CE/23906/2012. MSC. Thesis entitled '*Blood Cellular Components and Haemoglobin Genotypes in Children with Malaria and Bacteremia Co-morbidity*'. May, 2018.

9. Mageto Vincent Mogaka- Reg No. P150/CE/25571/2014. MSC. Thesis entitled '*Determination of Urinary Tract Infections and Antibiotic Sensitivity among Non-insulin dependent Diabetes Mellitus in Patients Visiting Kisii Teaching and Referral Hospital, Kenya*'. March, 2018.
10. Issa Suleima Mwinyikombo- Reg No. P150/CE/24988/2013. MSC. Thesis entitled '*Detection and Molecular Characterization of Antibiotic Resistance Genes in Pseudomonas Isolates from Selected Hospitals in Mombasa County, Kenya*'. February, 2018.
11. Peris Wangari Cheche-Reg No. I56/CE/21446/2012. MSC. Thesis entitled '*Prevalence of Catheter Associated Urinary Tract Infections among Patients Hospitalized at Nyeri County Referral Hospital*'. July, 2017.

PUBLICATIONS

1. Kipsang F., Munyiva J., Menza N., **Musyoki A.** Carbapenem-resistant *Acinetobacter baumannii* infections: Antimicrobial resistance patterns and risk factors for acquisition in a Kenyan intensive care unit. *International Journal of Infectious Diseases, Regions*, Volume 9, December 2023, Pages 111-116. <https://doi.org/10.1016/j.ijregi.2023.10.007>.
2. Mutua, J.M., Njeru, J.M. & **Musyoki, A.M.** Extended-spectrum β -lactamase- producing gram-negative bacterial infections in severely ill COVID-19 patients admitted in a national referral hospital, Kenya. *Ann Clin Microbiol Antimicrob* 22, 91 (2023). <https://doi.org/10.1186/s12941-023-00641-8>
3. Mutuma C.K., Maingi J., Maina A.K., Njeru J., **Musyoki A.M.** Asymptomatic gastrointestinal carriage of multidrug-resistant carbapenemase-producing Enterobacteriaceae among children under five years in a Kenyan hospital. *International Journal of Infectious Diseases, Regions*, Volume 9, December 2023, Pages 25-31. <https://doi.org/10.1016/j.ijregi.2023.07.007>.
4. Maina, J.W., Onyambu, F.G., Kibet, P.S. & Musyoki, A.M. Multidrug-resistant Gram-negative bacterial infections and associated factors in a Kenyan intensive care unit: a cross-sectional study. *Ann Clin Microbiol Antimicrob* 22, 85 (2023). <https://doi.org/10.1186/s12941-023-00636-5>
5. Mutua, J.M., **Musyoki, A.M** & Njeru, J.M. High Rate of Multidrug Resistant Bacterial Infections in Critically Ill Covid-19 Patients Admitted at The Peak of Pandemic in A National Referral Hospital, Kenya. *International Journal of Infectious Diseases Volume 130, Supplement 2, May 2023, Page S25*
6. Mutua, J.M., Njeru, J.M. & **Musyoki, A.M.** Multidrug resistant bacterial infections in severely ill COVID-19 patients admitted in a national referral and teaching hospital, Kenya. *BMC Infect Dis* 22, 877 (2022). <https://doi.org/10.1186/s12879-022-07885-3>
7. Nganga M. W, **Musyoki A. M.**, Menza N. C., Bundi S., Kiarie J. and Mbugua M. Piloting of locally developed dried tube specimen panels for Xpert®MTB/RIF assay proficiency testing in Nairobi, Kenya. *East African Medical Journal Vol. 99 No. 1 January 2022*. eISSN: 0012-835X.
8. Ali Nor BS, Menza NC, **Musyoki AM.** Multidrug-Resistant Shigellosis among Children Aged below Five Years with Diarrhea at Banadir Hospital in Mogadishu, Somalia. *Candian J Infect Dis Med Microbiol.* 2021 Jun 8; 2021:6630272. doi: 10.1155/2021/6630272. PMID: 34211618; PMCID: PMC8208871.
9. Musa A.A., Muturi M.W., **Musyoki A.M.**, Ouso D.O., Oundo J.W., Makhulu E.E., Wambua L., Villinger J., Jeneby M.M. Arboviruses and Blood Meal Sources in Zoophilic Mosquitoes at Human-Wildlife Interfaces in Kenya. *Vector Borne Zoonotic Dis.* 2020 Jun;20(6):444-453. doi: 10.1089/vbz.2019.2563. Epub 2020 Mar 5.
10. **Musyoki A.**, Zhongyu S., Chunling X., Guangwen L., Jianxun Q., Feng G., Beiwen Z., Qiangmin Z., Yan L., Joel H., Cuihua L., Jinghua Y., Yi S. & George G. Structural and functional analysis of an anchorless fibronectin-binding protein FBPS from Gram-positive bacterium *Streptococcus suis*. *Proceedings of National Academy of Sciences, United States* 2016 November, 113 (48) 13869-13874. <https://doi.org/10.1073/pnas.1608406113>

11. Lianpan D., Jian S., Xishan Lu, Yong-Qiang D., **Musyoki A.**, Huijun C., Yanfang Z., Yuan Y., Hao S., Joel H., Haixia X., Jinghua Y., Yi S. Cheng-Feng Q., Jianxun Q., & George G. Structures of the Zika Virus Envelope Protein and Its Complex with a Flavivirus Broadly Protective Antibody, *Cell Host & Microbe* (2016), <http://dx.doi.org/10.1016/j.chom.2016.04.013>.
12. Ruchao P., Tengfei Z., Babayemi O., **Musyoki A.**, Yingzi C., Yi S., Peiyi W. & George G. In vitro assembly of Ebola virus nucleocapsid-like complex expressed in *E. coli*; *Protein Cell* (2016) DOI 10.1007/s13238-016-0314-1
13. **Musyoki A.** & Mbaruk S. An Investigation into the Bacteriological Quality of Dandora Sewage Treatment Plant and the Receiving Waters of Nairobi and Athi Rivers, *LAP LAMBERT Academic Publishing* (21 Nov. 2015). ISBN-10: 365980245X, ISBN-13: 978-3659802454
14. **Musyoki A.**, Mbaruk S., Mbithi J. & Maingi J. Diurnal and seasonal variations of pathogenic bacteria in Dandora Sewage Treatment Plant wastewater, Nairobi, Kenya. *Journal of Research in Environmental Science and Toxicology* (2013) (ISSN: 2315-5698) Vol. 2(2) pp. 36-41.
15. **Musyoki A.**, Mbaruk S., Mbithi, J., & Maingi J. Water-Borne Bacterial Pathogens in Surface Waters of Nairobi River and Health Implication to Communities Downstream Athi River. *International Journal of Life Science and Pharma Research* (2013), 3, 4-10.
16. **Musyoki A.** The bacteriologic quality of Dandora sewage treatment plant and the receiving waters of Nairobi and Athi Rivers. *Master's thesis, Kenyatta University Institutional Repository* (2012) <http://ir.library.ku.ac.ke/handle/123456789/436/browse?value=Musyoki%2C+Abednego+Moki&type=author>.

MANUSCRIPT UNDER JOURNAL REVIEW

17. Maina A.K., Maingi J, Mutuma C.K. & **Musyoki A.M.** Asymptomatic faecal carriage and risk factors of carbapenemase-producing Gram-negative bacteria resistant to third-generation cephalosporins in hospitalized and non-hospitalized patients, Kenya. *Submitted to International Journal of Infectious Diseases Regions, August, 2023*
18. Maina, J.W., Mutua J.M. & **Musyoki A.M.** Carbapenem- resistant Gram-negative bacteria: Epidemiology, antimicrobial resistance patterns, and risk factors for acquisition and mortality in intensive care unit, Heliyon, October, 2023.
19. Mwatenga, S.A., Musa, A.A., Muturi, M.W., **Musyoki, A.M.** Prevalence and risk factor of TB/HIV co-infections among prisoners in a Kenyan maximum security prison, *BMC Infectious Disease*
20. Mubassu, P., **Musyoki A.**, Odoyo, E. Kigen, C., Musila, L. Environmental reservoirs of multidrug-resistant pseudomonads in a geographical location in Kenya with high community-acquired infections, *Frontiers in Microbiology, November, 2023*.

REFEREES

1. Dr. John M. Maingi Lecturer, Department of Microbiology, Kenyatta University, P.O. Box 43844-00100, Nairobi, Kenya. Phone No: (+254) 722 880280, Email: maingijohn@gmail.com
2. Dr. Nelson Menza, Chairman, Department of Medical Laboratory Science, Kenyatta University, P.O. Box 43844-00100, Nairobi, Kenya. Phone No: (+254) 725 011570, Email: menza.nelson@ku.ac.ke
3. Prof. George Fu Gao, Chinese Academy of Sciences, Institute of Microbiology, CAS Key Pathogenic Microbiology and Immunology Laboratory (CASPMI), Chaoyang District, Beijing, 100101, P. R. China. Tel.: 86-10-64807688; Fax: 86-10-64807882; E-mail: gaof@im.ac.cn