

ACADEMIC STAFF PROFESSIONAL PROFILE FORM



1. Personal Data

Name: Dr. Abednego Moki Musyoki
Title/Qualifications: PhD
Department/Unit/Section: Medical Laboratory Science
Contact Address: 43844-00100 Nairobi
Position: Lecturer
Area of Specialization: Clinical Microbiology
Research Interests: Microbial pathogenesis, antimicrobial drug resistance, Disease epidemiology, and Host-cell interactions

2. Conference Presentations

S/No	Presenter	Title of Paper presented	City/Country	Date of Conference	Funding (US\$)
1.	Abednego Moki Musyoki	The bacteriologic quality of Dandora sewage treatment plant and the receiving waters of Nairobi and Athi Rivers	Nairobi Kenya	20/6/2011	

3. Research

S/ No	Researcher	Year	Title	Donor	Funding (US\$)
1.	Abednego Moki Musyoki	2013-2016	Structural and functional characterization of selected secreted proteins from <i>Mtb</i> and <i>S. suis</i>	Chinese Scholarship Council	
2.	Abednego Moki Musyoki	2009-2011	The bacteriological quality of Dandora sewage treatment plant and the		

			receiving waters of Nairobi and Athi Rivers		

4. Funded projects

S/ No	Researcher	Year	Title	Granting Body	Funding (KShs)
1.					
2.					

5. Publications

S/N o.	Author	Year	Title	Journal	ISBN/ISSN Reference No.
1.	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.	2016	Structural and functional analysis of an anchorless fibronectin-binding protein FBPS from Gram-positive bacterium <i>Streptococcus suis</i>	Proceedings of National Academy of Sciences, United States 2016 November, 113 (48) 13869-13874.	doi.org/10.1073/pnas.1608406113
2.	Lianpan D., Jian S., Xishan Lu, Yong-Qiang D., Musyoki A. , Huijun C., Yanfang Z., Yuan Y., Hao S., Joel	2016	Structures of the Zika Virus Envelope Protein and Its Complex with a Flavivirus Broadly Protective Antibody	Cell Host & Microbe	DOI:10.1016/j.chom.2016.04.013

	H., Haixia X., Jinghua Y., Yi S. Cheng-Feng Q., Jianxun Q., & George G.				
3.	Ruchao P., Tengfei Z., Babayemi O., Musyoki A. , Yingzi C., Yi S., Peiyi W.&, George G	2016	In vitro assembly of Ebola virus nucleocapsidlike complex expressed in <i>E. coli</i>	Protein Cell	DOI 10.1007/s13238-016-0314-1
4.	Musyoki A. & Mbaruk S	2015	An Investigation into the Bacteriological Quality of Dandora Sewage Treatment Plant and the Receiving Waters of Nairobi and Athi Rivers	LAP LAMBERT Academic Publishing	ISBN-10: 365980245X
5.	Musyoki A. , Mbaruk S., Mbithi J. & Maingi J	2013	Diurnal and seasonal variations of pathogenic bacteria in Dandora Sewage Treatment Plant wastewater, Nairobi, Kenya	Journal of Research in Environmental Science and Toxicology	ISSN: 2315-5698
6.	Musyoki A. , Mbaruk S., Mbithi, J., & Maingi J.	2013	Water-Borne Bacterial Pathogens in Surface Waters of Nairobi River and Health Implication to Communities	International Journal of Life Science and Pharma Research	ISSN 2250-0480

			Downstream Athi River		
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6. Consultancy and community service

S/No.	Consultant (s)	Consulting Person/ Body/ Organization	Year	Title Consultancy Service	Payment (US\$)
1		Word Temple Church of God	2017 to date	Youth Leader	None

7. Affiliation to Professional Bodies

S/No	Name of professional body
1.	America Society of Microbiology
2.	Kenya Medical Laboratory Technologists & Technicians Board

8. National and International awards and Recognitions

S/No	Name of award or Recognition	Awarding Organization/Body	Year

9. External Examination (if any)

S/No	Institution	Year

10. Supervision of postgraduate students (if any)

S/No	Name of student	Thesis title	Status of project (e.g. First year etc)
1.	Karanu Ann Muthoni (M.Sc.) P150/CE/25787/2014	Determination of nasopharyngeal carriage, antibiotic susceptibility, and molecular characteristics of <i>moraxella catarrhalis</i> among children and adults in Kilifi county, Kenya	2 nd year on data collection
2.	Gabriel Miring'u Mwende (M.Sc.) P150/CTY/PT/37100/2017	Development of a multiplex polymerase chain reaction system for the detection of diarrhea associated bacteria in suspected cases of septicaemia	2 nd year, Writing manuscript and thesis draft
3.	Ali Abdulahi Musa (M.Sc.)	Surveillance of peridomestic Aedes mosquitoes and associated arbovirus diversity	2 nd year, working on the final thesis draft

		in Kwale County, Kenya	for submission to graduate school
4.	Fred Kipsang (M.Sc.) P150/CTY/PT/34014/2017	Determination of occurrence and molecular characteristics of oxacillinases in <i>Acinetobacter baumannii</i> from patients admitted at moi teaching and referral hospital, Kenya	2 nd year on data collection
5.	Veronica W. Kariuki (M.Sc.) P150/CTY/PT/34698/2016	Prevalence and risk factors for acquisition of drug resistant tuberculosis among patients with pulmonary tuberculosis at murang'a county, Kenya	2 nd year, proposal under ethical review
6.	Bilan Sheikh Ali Nor (M.Sc.) P150F/37200/2016	<i>shigella</i> serotype distribution, antibiotic susceptibility and risk factors for shigellosis among children presenting with diarrhea at banadir hospital in mogadishu, somalia	2 nd Year, working on manuscript and first thesis draft

11. Patents (if any)

S/No	

12. Administrative positions held to date

- 2016 to date: Appointed Departmental Examination Coordinator, Department of Medical Laboratory Science