THE TECHNICAL UNIVERSITY OF KENYA

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School:	HEALTH AND BIOMEDICAL SCIENCES
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Consultation Hours:	8AM-5PM MON - FRI

EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	MOLECULAR MEDICINE	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2018
Masters of Science (M.Sc.)	IMMUNOLOGY	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2011
Bachelor of Science (BSc)	MEDICAL LABORATORY SCIENCES	JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(Kenya)	2004

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2019 - TO DATE	TECHNICAL UNIVERSITY OF KENYA	LECTURER
JANUARY 2018 - JANUARY 2019	KENYA METHODIST UNIVERSITY	LECTURER
2011 - 2017	KENYA METHODIST UNIVERSITY	TUTORIAL FELLOW
2009 - 2010	KENYA METHODIST UNIVERSITY	GRADUATE ASSISTANT
2006 - 2009	JKUAT	ADJUNCT FACULTY

GENERAL STATEMENT ON RESEARCH AREAS

• The Epidemiology and characterization of Toxoplasma gondii in animals and at risk humans • Vaccine development in Schistosomiasis, Drug development for Schistosomiasis based on herbal extracts, Development of molluscicides against the snail intermediate host of Schistosoma based on herbal extracts. • Development of diagnostic tools and novel drugs for treatment of tropical human diseases • Research on 'One Health' approach in management and control of diseases

CURRENT RESEARCH PROJECTS

The Epidemiology and characterization of Toxoplasma gondii in animals and at risk humans	Neglected tropical zoonosis
Antischistosomal and Molluscicidal activity of Medicinal Plants used in various parts of Kenya.	Vaccine development in Schistosomiasis, Drug development for Schistosomiasis based on herbal extracts, Development of molluscicides against the snail intermediate host of Schistosoma based on herbal extracts.

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
Lilian Mwende Mwaniki, John Mokua Mose, Titus Mutwiri, James Mulinge Mbithi. Evaluation of Trypanocidal Activity of Bidens pilosa and Physalis peruviana Against Trypanosoma brucei rhodesiense. American Journal of Laboratory Medicine. Vol. 2, No.4, 2017; pp. 69-73	http://www.sciencepublishinggroup.com/journal/paperinfo?journalid=235&doi=10.11648/j.ajlm.20170204.15
Penina Njoki Muchirah, Dorcas Yole, Hellen Kutima, Rebecca Waihenya, Kennedy Muna Kuria and Mokua John. Determination of effective praziquantel dose in different mouse strains: BALB/c and Swiss mice in treatment of Schistosoma mansoni. Journal of Clinical Immunology and Immunopathology Research Vol. 4(2), pp. 12–21, March 2012 DOI: 10.5897/JCIIR12.004 ISSN 2141-2219 ©2012	https://academicjournals.org/journal/JCIIR/article-abstract/F630DB55748
Kamande M.W, Kibebe H. Mokua John (2016). Prevalence of Transfusion Transmissible Infections Among Blood Donated At Nyeri Satellite Transfusion Centre, Kenya. IOSR Journal Of Pharmacy. Volume 6, Issue 2. (e)-ISSN: 2250-3013, (p)-ISSN: 2319-4219.	http://www.iosrphr.org/pages/volume6-issue2.html
John Mokua Mose, David Muchina Kamau, John Maina Kagira, Naomi Maina, Maina Ngotho, Lucy Mutharia and Simon Muturi Karanja. Organ Pathology and Associated IFN-γ and IL-10 Variations in Mice Infected with Toxoplasma gondii Isolate from Kenya. DOI: 10.5772/intechopen.79700.	https://www.intechopen.com/books/parasites-and-parasitic-diseases/organ-pathology-and-associated-ifn-and-il-10-variations-in-mice-infected-with-toxoplasma-gondii-isol
John Mokua Mose, David Muchina Kamau, John Maina Kagira, et al., "Development of Neurological Mouse Model for Toxoplasmosis Using Toxoplasma gondii Isolated from Chicken in Kenya," Pathology Research International, vol. 2017, Article ID 4302459, 8 pages, 2017. https://doi.org/10.1155/2017/4302459.	https://www.hindawi.com/journals/pri/2017/4302459/.
Kamau D, Kagira J, Maina N, Mutura S, Mokua J, Karanja S.(2016). Detection Of Natural Toxoplasma Gondii Infection In Olive Baboons (Papio Anubis) In Kenya Using Nested PCR. The 11th JKUAT Scientific, Technological and Industrialization Conference and Exhibitions Conference Proceedings.	http://journals.jkuat.ac.ke/index.php/jscp/article/view/1294
Muthwii, Samson M.; Mwamisi, Joseph M.; Mwala, Denis M.; Mokua, John M. Virology for medical laboratory students	http://repository.seku.ac.ke/handle/123456789/2651
Kamau David Muchina, Karanja Simon Muturi, Kagira John, Ngotho Maina, Naomi Maina and Mokua John. Physico-Clinical and Haematological Changes in Olive Baboon (Papio anubis) Model of Latent Toxoplasmosis and Toxoplasmic Encephalitis. Int J Primatol Res. 2020; 3(1): 001-009.	https://www.scireslit.com/Primatology/
Mokua John Mose, Helen Kutima, Rebecca Waihenya, Dorcas Yole. Evaluating the Antischistosomal Activity of Crude Extracts of Carica Papaya against Schistosoma Mansoni : the Interplay of Cellular and Humoral Immunity.Journal of Biomedical and Pharmaceutical Research 2 (1) 2 01 3 , 33 - 41	https://jbpr.in/index.php/jbpr/article/view/437
John Mokua Mose, John Maina Kagira, David Muchina Kamau, Naomi Wangari Maina, Maina Ngotho and Simon Muturi Karanja. A review on the present advances on studies of toxoplasmosis in Eastern Africa. Biomedical Research International. Volume 2020 |Article ID 7135268 | 12 pages	https://www.hindawi.com/journals/bmri/2020/7135268/
John Mokua Mose, Helen L Kutima, Peninah N Muchira, Kuria K Muna, Rebecca Waihenya, Dorcas S Yole. The Evaluation of the Effects of an Aqueous and Methanol Extracts of Solanum incanum on Schistosoma mansoni Infected Mice.Asian Journal of Pharmaceutical and Health Sciences,2012,2,1,278-282.	http://ajphs.com/article/2012/2/1/278-282
John Mokua Mose, David Muchina Kamau, John Maina Kagira, Naomi Maina, Maina Ngotho, Lucy Mutharia and Simon Muturi Karanja. Organ Pathology and Associated IFN-γ and IL-10 Variations in Mice Infected with Toxoplasma gondii Isolate from Kenya, Parasites and Parasitic Diseases, Gilberto Bastidas, IntechOpen, DOI: 10.5772/intechopen.79700.	https://www.intechopen.com/books/parasites-and-parasitic-diseases/organ-pathology-and-associated-ifn-and-il-10-variations-in-mice-infected-with-toxoplasma-gondii-isol
Peter K. Ndungu, Makobu Kimani, and John Mokua Mose. Influence of Caregiver and Peer Support in Adherence to Antiretroviral Therapy amongst HIV Positive Adolescents Attending Murang'a County Hospital. International Journal For Research In Health Sciences And Nursing.Volume-6 | Issue-7 | July, 2020.	https://gnpublication.org/index.php/hsn/article/view/1366/931
John Mokua Mose,John Maina Kagira,Simon Muturi Karanja,Maina Ngotho,David Muchina Kamau,Adele Nyambura Njuguna,and Naomi Wangari Maina. Detection of natural Toxoplasma gondii infection in chicken in Thika region of Kenya using nested polymerase chain reaction. BioMed. Research International. Volume 2016 (2016), Article ID 7589278.	https://www.hindawi.com/journals/bmri/2016/7589278/

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Peter Kabugua Ndungu (PHT-3-0434-1-2017) KeMU	Factors associated with non-disclosure of HIV positive status to children infected with HIV in Muranga hospital, Kenya	GRADUATED (2020)

COURSES TAUGHT

NAME	DESCRIPTION	PERIOD
SHBU 7232: Molecular and genetics Immunology	Studies on current immunological concepts and immunogenetics	2019 - TO-DATE
SHBU 7111: Principles of Bioethics	Studies on key areas of principles of Bioethics.	2019 - TO-DATE
SHBU 7231: Immuno-pathology	Studies on pathologies related to the immune system in the human body systems.	2019 - TO-DATE
SHBU 7233: Therapeutic and Diagnostic Immunology	Studies in therapeutic and diagnostic applications.	2019 - TO-DATE
SHBQ 2123: Immunology	Principles and concepts in the diagnosis, control and prevention of human diseases.	2019 - TO-DATE