



# THE TECHNICAL UNIVERSITY OF KENYA

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Faculty:	Applied Sciences and Technology
School:	Biological and Life Sciences
Department:	Biochemistry and Biotechnology
Current Designation:	Senior Lecturer, BIOCHEMISTRY AND BIOTECHNOLOGY (DBB)
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Consultation Hours:	8AM-5PM MON - FRI



## EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	BIOCHEMISTRY	UNIVERSITY OF SAARLAND(Germany)	2012
Masters of Science (M.Sc.)	BIOCHEMISTRY	University of Nairobi(Kenya)	2006
Bachelor of Science (BSc)	BIOCHEMISTRY AND CHEMISTRY	University of Nairobi(Kenya)	2000
Diploma	COMPUTER SYSTEM DESIGN	COMPUTER TRAINING CENTRE(Kenya)	1996
O level/Equivalent	Kenya Certificate of Secondary Education	KOELEL SEC. SCHOOL(Kenya)	1994

## WORK EXPERIENCE

<b>PERIOD</b>	<b>INSTITUTION</b>	<b>POSITION</b>
11/10/2018 - to date	Technical University of Kenya	Senior Lecturer, Department of Biochemistry and Biotechnology
21/07/2022 - to date	Biochemistry and Biotechnology Professional Society of Kenya	Chairman
12/05/2020 - to date	Ministry of Education, Jeremiah Nyagah National Polytechnic	Member, Board of Governors
08/07/2016 - to date	National Biosafety Authority	Biosafety Expert
03/10/2016 - to date	Technical University of Kenya	Postgraduate Departmental Examination Officer
01/10/2015 - to date	Technical University of Kenya	Club Patron, STSA
30/01/2016 - to date	Pharmaceutical Journal of Kenya	Reviewer
17/02/2020 - to date	DAAD, Regional Office for Africa	DAAD External Reviewer
10/07/2018 - to date	Biorisk Management Association of Kenya (BMAK)	Secretary General
03/10/2019 - to date	IBR, JKUAT	External Examiner
16/09/2019 - to date	Department of Zoology, JKUAT	External Examiner
07/12/2020 - to date	CEBIB, University of Nairobi	External Examiner
12/05/2020 - to date	Ministry of Education, Heroes Technical and Vocational College (TVET)	Member, Board of Governors
01/04/2021 - to date	Department of Chemistry and Biochemistry, University of Namibia	External Moderator
01/01/2006 - 31/07/2008	UNIVERSITY OF NAIROBI	RESEARCH ASSISTANT
29/12/2014 - 23/01/2015	School of Biological and Life Sciences, TUK	Acting Director
9/12/2013 - 15/05/2015	Technical University of Kenya	Acting Chairman
13/06/2013 - 10/08/2018	Technical University of Kenya	Lecturer, Department of Biochemistry and Biotechnology

#### SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
Marinoquinolines A - F, Pyrroloquinolines from Ohtaekwangia kribbensis (Bacteroidetes)	<a href="#">View online</a>	
Isolation and Structure Elucidation of Secondary Metabolites from the Gliding Bacteria Ohtaekwangia kribbensis and Hyalangiium minutum	<a href="#">View online</a>	
Hyaladione, an S-Methyl Cyclohexadiene-dione from Hyalangiium minutum	<a href="#">View online</a>	
Hyafurones, Hyapyrrolines and Hyapyrones: Polyketides from Hyalangiium minutum	<a href="#">View online</a>	
Screening and characterization of hydrocarbonoclastic bacteria obtained from oil contaminated soils	<a href="#">View online</a>	
Protease,- pectinase- and amylase- producing bacteria from a Kenyan soda lake	<a href="#">View online</a>	
Lanyamycin, a macrolide antibiotic from Sorangium cellulosum , strain Soce 481 (Myxobacteria)	<a href="#">View online</a>	
Rotavirus prevalence and seasonal distribution post vaccine introduction in Nairobi county Kenya	<a href="#">View online</a>	
Manganese exacerbated chronic khat-induced neurological deficits, inflammation and organ toxicity in a mouse model	<a href="#">View online</a>	
Coenzyme Q10 ameliorates potassium cyanide-induced toxicosis in a mouse model	<a href="#">View online</a>	
Development and evaluation of a loop- mediated isothermal amplification (LAMP) diagnostic test for detection of whipworm, Trichuris trichiura, in faecal samples	<a href="#">View online</a>	
Coenzyme Q10 nullified Khat- induced hepatotoxicity, nephrotoxicity and inflammation in a mouse model	<a href="#">View online</a>	
Post- vaccine rotavirus genotype distribution in Nairobi County, Kenya	<a href="#">View online</a>	
Kenya Laboratory Biorisk Management Curriculum” (2019)	<a href="#">View online</a>	

#### POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Joshua Gikonyo	The Prevalence of Rotavirus Infection and Genotype Distribution in Children Below Five Years Post-Vaccine Introduction in Nairobi County Kenya	2017-2021
Agnes N. Mwaura	Screening and characterization of hydrocarbonoclastic bacteria isolated from oil contaminated soils	2016-2018
Biwott Kipchumba	Behavioural and toxico-histopathological studies of non- benzodiazepine spiked drinks intoxication on murine model	2017-2019
Kennedy Chepukosi	The effect of chronic khat use on vulnerability of neurons and neurotoxins	2016- to date
Francis Gitonga	Histopathological analysis of potassium cyanide induced toxicosis in rat brain and liver tissues	2017-2019
Michael Gichuki Ngari	1. Development of a loop mediated isothermal amplification markers for trichuris trichiura detection in faecal samples	2017 -to date
Peter Mwangi Maina,	Isolation and characterization of myxobacteria in environmental samples from Lake Magadi	2020-to date

PROFESSIONAL AFFILIATIONS AND SOCIETIES

**TITLE    INSTITUTION**

MEMBER	BIOINFORMATICS RSG - AFRICA
MEMBER	BIOCHEMICAL SOCIETY OF KENYA (BSK)