



THE TECHNICAL UNIVERSITY OF KENYA

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NAME: DR CLARE IMBOSA MUHANJI

Faculty:	Applied Sciences and Technology
School:	PHYSICS AND EARTH SCIENCES
Department:	INDUSTRIAL AND APPLIED CHEMISTRY
Current Designation:	Senior Lecturer, CHEMICAL SCIENCE AND TECHNOLOGY
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EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	CHEMISTRY	UNIVERSITY OF CAPE TOWN(South Africa)	2006
Masters of Science (M.Sc.)	Natural Products Chemistry	University of Botswana(Botswana)	1998
Bachelor of Science (BSc)	BACHELOR OF SCIENCE	UNIVERSITY OF NAIROBI(Kenya)	1997
Certificate	Certificate of secondary Education	Nakuru Day secondary School(Kenya)	1991
Certificate	Certificate in primary education	Mama Ngina Primary School-Nakuru(Kenya)	1987

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
2012 - 2013	Chepkoleil University College	Senior Lecturer
2007 - 2012	Chepkoleil University Campus	Lecturer
2003 - 2005	University of Cape Town	Tutor/Demonstrator
1999 - 2002	University of Botswana	Demonstrator
1997 - 1998	Prof,Midiwo'sResearch lab-University of Nairobi	Research Assistant
2013 - *	Technical University of Kenya	Senior Lecturer

CURRENT RESEARCH PROJECTS

Synthesis of anti-HIV Drugs targeting the Reverse Transcriptase Enzyme and the Nucleocapsid protein.

Synthetic Organic Chemistry

SELECTED PUBLICATIONS

TITLE	LINK TO PULICATION
[d4U]-Spacer-[HI-236] double-drug inhibitors of HIV-1 reverse-transcriptase Y Younis, R Hunter, CI Muhanji, I Hale, R Singh... - Bioorganic & medicinal ..., 2010 - Elsevier	https://www.sciencedirect.com/science/article/pii/S096808961000444X
C-2-Aryl O-substituted HI-236 derivatives as non-nucleoside HIV-1 reverse-transcriptase inhibitors R Hunter, Y Younis, CI Muhanji, T Curtin... - Bioorganic & medicinal ..., 2008 - Elsevier	https://www.sciencedirect.com/science/article/pii/S0968089608009978
Current developments in the synthesis and biological activity of HIV-1 double-drug inhibitors CI Muhanji, R Hunter - Current medicinal chemistry, 2007 - ingentaconnect.com	https://www.ingentaconnect.com/content/ben/cmc/2007/00000014/00000011/art00005
[d4U]-butyne-[HI-236] as a non-cleavable, bifunctional NRTI/NNRTI HIV-1 reverse-transcriptase inhibitor R Hunter, CI Muhanji, I Hale, CM Bailey... - Bioorganic & medicinal ..., 2007 - Elsevier	https://www.sciencedirect.com/science/article/pii/S09680894X07001667

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Rotich Kipkorir Zachaeus	Towards the synthesis of a thiourea derivative as a potential non-nucleoside Reverse Transcriptase.	SC/PGC/002/06