

CURRICULUM VITAE

[Dr. Richard L. Maseruka]

PERSONAL DETAILS

Name: Richard L. MASERUKA
Postal Address: Busitema University Faculty of Health Sciences (NaPRiC); P.O.Box 1460 Mbale, Uganda.
Date of birth: 23rd March 1984
Place of birth: Luwero, Uganda
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PERSONAL STATEMENT

Dr. Richard L. Maseruka is a Pharmacist registered in Uganda (Reg. No. 1825) and a Biochemist with post graduate training and interest in Natural products chemistry, drug discovery and development. He is currently working at the Natural Products Research and Innovation Centre of Busitema University with a team developing a remedy for diabetes mellitus from natural sources. He also volunteers as a tutor and teacher of pharmacology at BUFHS where he has taught basic pharmacology and chemotherapy to 2nd and 3rd year medical students. He has more than 10 years experience in training of medical students specifically teaching medical biochemistry in undergraduate MBChB, pharmacy and nursing programs since 2009 at various Institutions in Uganda. He has management experience as Head of department of Biochemistry at King Ceasor University (2022-2023) and as Project Administrator at BUNaPRiC (Oct 2023-Date). He is a prospective student of Ph.D in Pharmacology which is being proposed and considered at BUFHS department of Pharmacology and Therapeutics where he will pursue research work in in silico pharmacology and natural product chemistry.

EDUCATION

PERIOD	UNIVERSITY/ SCHOOL	QUALIFICATION
2022-2024	Mbarara University of Science and Technology	MSc. Chemistry (Cand.)
2022	Thomas Jefferson University	International Certificate in Paediatric Nutrition
2016-2020	Makerere University	Bachelor of Pharmacy
2011-2014	Kampala International University	MSc. Biochemistry
2004-2007	Mbarara University of Science and Technology	B.Sc/Ed. (Chemistry)
2022-2003	Luwero Secondary School	UACE
1998-2001	St. M. Kalemba Secondary School	UCE

EMPLOYMENT HISTORY

PERIOD	POSITION	DEPARTMENT	INSTITUTION
Oct 2023- Date	Project Administrator/ Volunteer Tutor	NaPRiC/ Pharmacology department	Busitema University
Nov 2022- Date	Volunteer Assistant Lecturer (Part-time)	Pharmacy	Makerere University
2022-2023	Lecturer and Head of department	Biochemistry	King Ceasor University
2020-2021	QA Manager	Research and Production Unit	Pharmaceutical Society of Uganda
2017-2020	Assistant Lecturer- PT	Biochemistry department	Kampala International University
2015-2016	Assistant Lecturer- FT	Biochemistry department	Kampala International University
2009-2014	Teaching Assistant- FT	Biochemistry department	Kampala International University

RESEARCH INTERESTS

1. Drug discovery and development focusing on natural products as potential sources of lead compounds with applications in human and animal health
2. In silico pharmacology and its applications in drug discovery and design
3. Metabolomics applications in computational biology and drug discovery
4. Medicines access and supply chain research- its role in improving case management in Uganda

UNDERGRADUATE STUDENT RESEARCH SUPERVISION

Ongoing: None

Completed

- (1) Dr. Tumuhimbise Hedwig (Bachelor of Medicine and Bachelor of Surgery, 2023) - King Ceasor University
Dissertation: Prevalence and factors associated with occupational infections among medical students of King Ceasor University
- (2) Dr. Boogera Moses Kalidde and Dr. Nyaburu Martha Joyce (Bachelor of Pharmacy, 2019) - Kampala International University.
Dissertation: Evaluation of oxytetracycline residues in raw bovine milk from selected commercial dairy farms in Bushenyi-Ishaka Municipality Uganda.
- (3) Dr. Bukenya Faisal (Bachelor of Pharmacy, 2018) - Kampala International University.
Dissertation: Antibacterial activity of *Aristolochia elegans* against *E. coli* and *Pseudomonas* isolates from Kampala International University Teaching Hospital.
- (4) Dr. Nahayo Moses (Bachelor of Pharmacy, 2017) - Kampala International University.
Dissertation: Antidiabetic activity of aqueous extract of *Morus mesozygia* fruits against alloxan induced diabetic male wister rats.
- (5) Dr. Muwanguzi Kenneth Joseph (Bachelor of Medicine and Bachelor of Surgery, 2016) - Kampala International University.
Dissertation: Factors influencing non-adherence to antiretroviral therapy among HIV/AIDS patients attending Iganga general hospital, Eastern Uganda.

SCHOLARSHIPS

YEAR	AWARD	PURPOSE	FUNDER
2013	MEPI-MESAU Fellowship	MSc in Biochemistry Research support	National Institute of Health (NIH)
2004	Uganda Government Scholarship	B.Sc/Ed. Program	Government of Uganda

RESEARCH AND SCHOLARLY PUBLICATIONS

- (1) **Maseruka L.R.**, Juba M., Akello L., Munanura E.I., Kaggwa B., Ndagire M., Rubayiza P., and Wasswa J. (2024). Quality assessment of generic brands of enrofloxacin available on the Ugandan market. Manuscript submitted to African Journal of Pharmacy and Pharmacology. Manuscript reference number: AJPP/15.12.22/5343
- (2) Echoru I., Tirwomwe M., **Maseruka R.**, Kimanje R., Byarugaba W. (2019). Hypoglycemic and toxic effects of *Morus Mesozygia* aqueous leaf extract on the liver and kidney of alloxan induced hyperglycemic wister rats. Evidence-Based Complementary and Alternative Medicine Journal. Volume10. <https://doi.org/10.1155/2019/6712178>

- (3) Mwandah D. C., Ntulume I., Aliero A. A., Kiyimba K., Ayikobua T. E., Bwanika R., Kwizera E., **Maseruka R.**, Odda J., Oloro J. (2019). Evaluation of sub-acute and Sub-chronic toxicity profile of the aqueous crude leaf extract of *Melanthbra scandens* in wister rats. Journal of Complementary and Alternative Medical Research. Volume 8, Issue 3, page 1-16. <https://doi.org/10.9734/jocamr/2019/v8i3/30124>

CONFERENCES

April 1st -3rd 2023: International Paris Congress on Applied Sciences, Paris, France. Paper presented: Prevalence and factors associated with occupational infections among medical students of King Ceasor University (Poster Presentation).

COMMUNITY SERVICE

2022- 2023 First Vice President, Bushenyi Specialty Lions club (Organised 2 health camps for malnourished children in Bethlem community in Kyotera district and Kazingu village in Lwengo district; organized community and provided education and scholastic material to needy children of kizumo primary school, Bushenyi district)

2021 Charter 2nd Vice President, Bushenyi Speacialty Lions Club

REFEREES

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