

GITHINJI IRENE MUENI

Lecturer
Kenyatta University
Chemistry Department
P.O. Box 43844 -00100
Nairobi, Kenya



Career Objectives and Research Interests

Lecturer/facilitator, educator, researcher, and mentor at Kenyatta University with a great interest in entrepreneurship and organic/medicinal chemistry. My areas of interest include mentoring business start-ups, imparting entrepreneurial skills, and studies on current working compounds with anticancer and antibacterial properties.

Academic Qualification

PhD, Analytical Chemistry, Kenyatta University
M.Sc., Chemistry, Kenyatta University
B.Ed. Science (First Class Honours)

Experience and training

Trained teacher with vast experience in training teenagers, youth, and mixed groups of learners using both virtual and face-to-face modalities.

Train the trainer workshop (DAAD-AEA-RE) in collaboration with Hochschule Neu-Ulm University-Germany

Global forum on women in scientific research (GoFoWiSeR)-Dakar, Senegal

MAPWiST & YWS workshop- Seoul, Korea

Collaboration for Entrepreneurial Universities (CEPU) service-oriented university administration workshop/training by Bonn-Rhein-Sieg University of Applied Sciences, Leuphana University Lüneburg, Leipzig University, Wismar University of Applied Sciences, and the Hasso-Plattner-Institute Germany

ToT business startup mentor at the Kenyatta University, Chandaria Business Innovation and Incubation Centre

Collaboration for Entrepreneurial Universities (CEPU) strategy development, Heinnovate training

Student training for entrepreneurial promotion (STEP) trainer at Kenyatta University,

University staff mentor training

Leadership training for young women scientists and engineers organized by African women in Science and Engineering

Teaching methodology training by the Center for teaching Excellence & Evaluation, Kenyatta University

Employment

Kenyatta University, Department of Chemistry (Lecturer) 2021 to date

Kenyatta University, Department of Chemistry (Tutorial Fellow) 2016-2021

Postgraduate Supervision/ Examination of Thesis

1. Internal examiner (thesis) for chemistry
4 M.Sc Thesis (ongoing)
1 P. hD Thesis (ongoing)

Awards & Honours

The UK Common Wealth Scholarship for 2020 (declined)

Kenyatta University Staff Advancement Scholarship Award

Kenyatta University Vice Chancellor's M.Sc. Scholarship Award for Exemplary Students

Community Service and Outreach

Institution	Responsibility
1 KU primary School	BOM member at Kenyatta University Primary School (2024 to date)
2 Chandaria Business and incubation center	Business startup mentor, ToT in Entrepreneurial Mind Set training using blended modalities and mentoring selected business incubates (2018 to 2024)
3 YALI	Independent reviewer for applications from various cohorts (2020/ 2021 financial year)
5 County government/Kenyatta University	STEP Trainer Conducting student training for entrepreneurial promotion for youth at the county level (STEP-4Y). (2018 to 2022)

Membership of Professional Bodies

Member - African Women in Science and Engineering

Member – Kenya Chemical Society

Member – Kenyatta University Alumni

Publications:

1. Adamu A., Mbuvi H., Changamu E., **Githinji I.**, Maingi F. (2025). *Synthesis and characterization of cellulose phosphate-based superabsorbent hydrogels from rice husk under microwave heating*. Next Materials, Volume 6, 100400.
2. Nono N.A., **Githinji I.M.**, Wanyonyi A.W., Kahindo J.M. (2025). *Comparative adsorption potential of coconut shell activated charcoal and natural zeolites for reducing heavy metals from borehole water in Mombasa County, Kenya*. Journal of Applied Sciences and Environmental Management, 29(9), 2815–2820.
3. Mbugua G., Mbuvi H., Muthengia J., **Githinji I.**, Nthiga E.W., Ollengo M. (2018). *Zeolite materials derived from water hyacinth and rice husk ashes for turbidity clearance and lead ion removal*. International Journal of Current Research, 10(08), 72868–72875.