

UNIVERSITY OF NAIROBI

Kenya National NMR Centre (KNMRC)
Department of Chemistry, Faculty of Science and Technology,
University of Nairobi, Chiromo Campus, Nairobi, Kenya

The Fifth Hands - On NMR Training Workshop
July 28 – August 01, 2025

The Kenyan National NMR Centre (KNMRC) based at the Department of Chemistry, University of Nairobi, Kenya, is hosting a hands-on NMR training workshop.

Applications are invited for the above training course; we welcome applications from researchers, lecturers, technicians, MSc students and PhD students in the chemical sciences from universities and research institutions across **Eastern and Central Africa**.

This workshop is fully sponsored by the Royal Society of Chemistry/Pan African Chemistry Network and is aimed at enhancing the capabilities of Kenyan scientists in Nuclear Magnetic Resonance (NMR) Spectroscopic techniques.

Application deadline is Sunday, April 6th, 2025

Selection Criteria

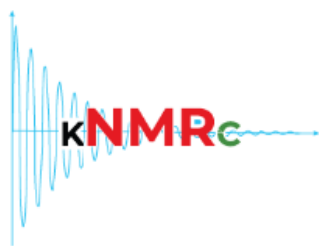
The participants will be selected based upon the following selection criteria:

- All participants should have at least a BSc (or equivalent) in chemical sciences and related fields (Biochemistry, Biology, Pharmacy and Natural Product Related disciplines);
- Participants can be MSc students, PhD students, lecturers, researchers, or technical staff;
- Strong relevance of the training to your current or planned research or teaching area;
- Demonstrable benefit of the workshop to research practice or teaching in your home institution;
- Potential impact of the training upon the individual's experiences and career prospects;
- Immediate application of the techniques learnt;
- Benefit to home institution and the wider chemistry community in your country.



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To apply, you must:

- Complete the required online application Google form, [by clicking on this link](#).
- Upload your CV (maximum length of 2 pages) and a recommendation letter (for students only) in the Google form.

This is a one-week long workshop that will include a series of lectures, group discussions and hands-on learning sessions where participants will get the opportunity to run samples, generate spectra and interpret NMR data. The workshop may include assessments that will culminate to issuance of certificate from the University of Nairobi.

The training workshop will focus on the theoretical and practical aspect of the following among others:

1. Introduction to NMR Spectroscopy
2. Theory of NMR Spectroscopy
3. Applications of NMR
4. ^1H NMR spectroscopy: Chemical Shifts and Spin-Spin Splitting
5. Applications of ^1H NMR spectroscopy
6. ^{13}C NMR spectroscopy - Chemical Shifts, DEPT, APT
7. Applications of ^{13}C NMR spectroscopy
8. Introduction to two-dimensional NMR Spectroscopy
9. Applications of 2D NMR spectroscopy
10. Acquisition, Processing and Interpretations of NMR data
11. NMR in qualitative and quantitative analysis



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