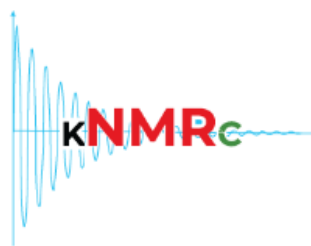




UNIVERSITY OF NAIROBI



Hands on NMR Training Workshop July 31 to August 4, 2023

University of Nairobi, Faculty of Science and Technology, Department of
Chemistry, Chiromo Campus, Nairobi, Kenya

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

This workshop is 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.

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 Africa (East and Central Africa region). The workshop is free, and the organisers will provide accommodation and food.

Application deadline is Saturday, April 15th 2023

Selection Criteria

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

- All participants should have at least a HND or BSc (or equivalent) in the chemical sciences
- Participants can be MSc students, PhD students, lecturers, researchers, professors or technical staff.
- Demonstrable benefit of the workshop to research or teaching in your home institution
- Strong relevance of the training to your current or planned research or teaching area
- Potential impact of the training upon the individuals experiences and career prospects
- Immediate application of the techniques learnt.
- Benefit to home institution and the wider chemistry community in the country

To apply, you must:



ROYAL SOCIETY
OF CHEMISTRY

PAN AFRICA
CHEMISTRY NETWORK



UNIVERSITY OF NAIROBI



-
- 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.

The workshop includes series of lectures in the morning, followed by group discussion and hands-on learning sessions where participants will get the opportunity to generate and process NMR data in the afternoon.

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



ROYAL SOCIETY
OF CHEMISTRY

PAN AFRICA
CHEMISTRY NETWORK