



5. LABORATORY METHOD OF ENVIRONMENTAL SAMPLING, ANALYSIS AND POLLUTION CONTROL

FOR: Laboratory personnel (Scientists, Technologists, Technicians), Laboratory Managers, Researchers, personnel working in both public and private laboratories.

OBJECTIVES: The objective of the workshop is to expose Scientists/Technologists to hands-on techniques and skills in determining the values of macronutrients in food samples and Agro-allied Product.

COURSE CONTENT

- The Role of NISLT in Sample Testing, Analysis and Quality Control.
- Exploring different methods for collecting environmental samples, including air, water, soil, and biological samples.
- Understanding the proper techniques and conditions for preserving samples to maintain their integrity until analysis.
- Procedures for handling and transporting samples to the laboratory while preventing contamination or degradation.
- Implementing QA/QC measures to ensure the accuracy and reliability of environmental data.
- Learning about various analytical instruments used in environmental analysis, such as chromatographs, spectrometers, and mass spectrometers.
- Methods for chemical analysis of samples, including tests for various pollutants, contaminants, and chemical constituents.
- Techniques for assessing microbial pollution and the presence of pathogens in environmental samples.
- Analyzing and interpreting the data obtained from environmental samples to assess pollution levels and potential hazards.
- Identifying and tracing pollution sources through environmental analysis and data comparison.
- Exploring pollution control methods and strategies, including waste management and remediation techniques.
- Understanding and adhering to environmental regulations and standards related to sampling, analysis, and pollution control

DURATION: 7 days

Date: 12th – 16th August 2024

Arrival: 11th August 2024

Departure: 17th August 2024

FEE: ₦80,000.00

(United Bank for Africa (UBA) ASLTON NISLT BRANCH 1020755954)

VENUE: Ibadan Office, Nigerian Institute of Science Laboratory
Technology, Educational Zone, Samonda, Ibadan, Oyo State.