



**NIGERIAN INSTITUTE OF
SCIENCE LABORATORY TECHNOLOGY
IN COLLABORATION WITH
ASSOCIATION OF SCIENCE LABORATORY
TECHNOLOGISTS OF NIGERIA NISLT BRANCH
2024 NISLT SHORT TERM TRAINING WORKSHOP PROGRAMMES**



7. LABORATORY PROCEDURES AND ANALYSIS OF SOIL, CROPS, WATER AND AGRICULTURAL PRODUCTS.

FOR: Instrumentation Technologists, scientists, supervisors, laboratory managers and those involved in the use and maintenance of laboratory equipment.

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.
- Techniques for collecting soil samples and conducting various soil tests, including pH, nutrient analysis, and texture determination.
- Methods for sampling and analyzing plant tissues to assess nutrient status and diagnose nutrient deficiencies.
- Procedures for assessing the quality of water sources, including tests for pH, turbidity, chemical contaminants, and microbiological parameters.
- Techniques for detecting and quantifying pesticide residues in agricultural products to ensure food safety.
- Methods for identifying and diagnosing plant diseases through laboratory analysis, including pathogen detection.
- Testing the quality of agricultural seeds, including germination tests, purity analysis, and seed health assessment.
- Analyzing agricultural products for contaminants, toxins, and pathogens to ensure food safety and quality.
- Assessing nutrient content in fertilizers and providing recommendations for proper nutrient management.
- Techniques for detecting genetically modified organisms (GMOs) in crops and food products.
- Analyzing residues of chemicals, heavy metals, and contaminants in agricultural produce.
- Procedures for certifying agricultural products based on quality and safety standards, including organic certification.

DURATION: 7 days

Date: 7th – 11th October 2024

Arrival: 6th October 2024

Departure: 12th October 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.

REQUIREMENT: Participants are advised to come with their Laboratory Coats.