



Bringing Scientific & Technical
Resources to the African Continent

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LABORATORY SAFETY, CHEMICAL WASTE MANAGEMENT AND DISPOSAL PRACTICES;(3 DAYS) 17th – 19th APRIL 2024

Training objective

- Be aware of the principal regulatory agencies and their roles and requirements.
- Understand the laboratory requirements for an effective safety program.
- Be aware of the essential components of a comprehensive laboratory safety program.
- Understand the significance and nature of an effective chemical hygiene plan.
- Understanding waste management plan, collecting, sorting, storing, marking parking and disposal

Who should attend;

This training is relevant to all employees who work in **testing laboratories, Research labs, and manufacturing industries with QC/QA labs, Pharmaceuticals, Petrochemicals, Food and drugs, laboratories.**

DAY 1 (17th April 2024)	
8.30 -9.30	<ul style="list-style-type: none"> • Introductions. • Introduction to Laboratory Safety and Laboratory waste Managements. • Know your Surrounding • Laboratory Safely rules and Guidelines • Safe Lab Practices
9.30-10.30	<ul style="list-style-type: none"> • Overview of Laboratory Risk Management according to ISO/IEC 17025/2017.
10.30 – 11.00	Tea break
11.00-13.00	<ul style="list-style-type: none"> • Laboratory Hazardous Substances and Classification • Chemical hazards eg Organic solvents, In organic chemicals, API, Pesticide residues, Drug residues sample • Biohazard • Occupational Exposure to Hazardous Chemicals in Laboratories. • Hazard Communication.
13.00- 14.00	Lunch break
14.00 – 16.30	<ul style="list-style-type: none"> • Safety Plan in Laboratory system. • Lab safety according to WHO? OSHA • Lab Safety personal habits. • Laboratory Information& Emergency action plan (EAP). • Developing SOPs for Laboratory safety. • MSDS and their interpretations • Signs and Labeling
Day 2 (18th April 2024)	
9.00 – 10.30	<ul style="list-style-type: none"> • Personal Protective Equipment's (PPE) introductions, Choices of PPE in laboratory systems

10.30 – 11.00	Tea Break	
11.00 – 13.00	<ul style="list-style-type: none"> • Laboratory waste management Practices • Waste Classification and segregation • Lab waste handling and Storage Practices • Disposal of Lab waste • Incineration • Dilutions • Dos and Don'ts in Labs waste disposal 	
13.00 – 14.00	Lunch Break	
14.00-16.30	<ul style="list-style-type: none"> • Developing Waste Management plan in Laboratory systems. • Role of senior management in Laboratory waste management • Role of Laboratory manager in lab waste management • Role of analyst in lab waste management • Roles of subordinate staff and contractors in lab waste management 	
DAY 3 (10th May 2024)		
09.00 – 10.30	<ul style="list-style-type: none"> • Developing waste management plan for In organic wastes, CRM, Standards, Reagents and Residual samples. • In organic waste management and Disposal practices 	
10.30 – 11.00	Tea break	
11.00 – 13.00	<ul style="list-style-type: none"> • Developing waste management plan for organic wastes, Solvents, CRM, Standards, Reagents and Residual samples. • Organic waste management and Disposal practices. • Pesticides , Aflatoxin and drugs analytes, residual samples, CRMS 	
13.00 – 14.00	Lunch Break	
14.00 – 15.30	<ul style="list-style-type: none"> • Developing waste management plan for Pharmaceuticals Laboratory , CRM, Standards, reagents and residual samples. • Pharmaceuticals waste management and Disposal Practices 	
15.30 – 16.00	<ul style="list-style-type: none"> • Discussion and Suggestions • Recommendation on the future of laboratory waste management in Africa 	
Directors remarks and issue of certificates		
Date	COST	Venue
17th – 19th April 2024 Reg: Deadline 8th April 2024	Kes. 63,800.00 or USD 638.00	WILDLIFE RESEARCH & TRAINING INSTITUTE – NAIVASHA- KENYA