



Bringing Scientific and Technical resources to the African Continent (NITA/TRN/875)

HANDS ON GAS CHROMATOGRAPHY/GCMS TRAINING
25th – 29th SEPTEMBER 2023

<ul style="list-style-type: none"> Registration and Climate setting 	<p><i>(DAY 1) 25th September 2023</i></p> <p><i>(9.00-10.30) am</i></p>
Tea Break	<i>10.30-11.00am</i>
<ul style="list-style-type: none"> Introduction & instrumentation, of, GC, parts, function. and operations of individual components, GC configuration. 	<i>11.00-12.30pm</i>
Lunch Break	<i>12.30-2.00pm</i>
<ul style="list-style-type: none"> Introduction & instrumentation, of, parts, functions and operations of individual components 	<i>2.00pm-4.45pm</i>
<ul style="list-style-type: none"> Introduction & instrumentation, of, parts, functions and operations of individual components of GC-MS 	<p><i>(DAY 2) 26th September 2023</i></p> <p><i>(9.00-10.30am)</i></p>
Tea Break	<i>10.30-11.00am</i>
<ul style="list-style-type: none"> GC-MS Configuration, parts and components Procedure for powering on the GC/GC-MS, pumping down, 	<i>11.00-12.30pm</i>
Lunch Break	<i>12.30-2.00pm</i>
<ul style="list-style-type: none"> GC/GC/MS Sample Preparation and cleanup. Waste disposal (waste generated from the sample prep) Preparation of standards for quantitation 	<i>2.00pm-4.45pm</i>
<ul style="list-style-type: none"> GC/GC/MS Sample Preparation (focus on micro scale quantities) procedures and consumables 	<p><i>(DAY 3) 27th September 2023</i></p> <p><i>(9.00-10.30)am</i></p>
Tea Break	<i>10.30-11.00am</i>
<ul style="list-style-type: none"> GC/GC/MS Sample Preparation with focus on pesticide residue analysis 	<i>11.00-12.30pm</i>
Lunch Break	<i>12.30-2.00pm</i>
<ul style="list-style-type: none"> GC/GC/MS Sample Preparation with focus on VOCs 	<i>2.00pm-4.45pm</i>
<ul style="list-style-type: none"> Developing GC and MS method theory and practical Creating sequence and multiple sample analysis. Creating Calibration, curve and producing report files Individual sample analysis 	<p><i>(DAY 4) 28th September 2023</i></p> <p><i>(9.00-10.30)</i></p>



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<ul style="list-style-type: none"> Qualitative and quantitative data analysis with a set file Quantitation using single internal standard 	
Tea Break	10.30-11.00am
<ul style="list-style-type: none"> Quantitation using external standard 	11.00-12.30pm
Lunch Break	12.30-2.00pm
<ul style="list-style-type: none"> Interpreting MS data, ie positive & negative ion ionization 	2.00pm-4.45pm
<ul style="list-style-type: none"> Discussion of results and possible deviations 	(DAY 5) 29th September 2023 (9.00-10.30)am
Tea Break	10.30-11.00am
<ul style="list-style-type: none"> Discussion 	11.00-12.30pm
Lunch Break	12.30-2.00pm
Directors remarks and issue of Certificates	2.00pm-3.00pm
Dates 25th –29th SEPTEMBER 2023	Cost Kes.81,200.00 or USD 812.00
Venue: Kisumu	(Per Person)
Deadline: 11th September 2023	