

**KEMRI - UNIVERSITY OF  
LIVERPOOL  
AIR POLLUTION CENTRE  
OF EXCELLENCE**

**LABORATORY**



*In Search of Better Health*



**UNIVERSITY OF  
LIVERPOOL**



**Global Health  
Research Unit**

**FUNDED BY  
NIHR**  
National Institute  
for Health and  
Care Research



# MISSION AND VISION

We are a newly launched Centre of Excellence committed to sustainable development. We offer training and services that measure, prevent and control air pollution in Africa. Our state-of-the-art facilities, instrumentation and research capabilities help initiatives to evaluate home energy appliances and their impact on people and the environment. We aim to provide support to researchers, government institutions, and other implementers on all aspects of household energy and air quality research.

## MTL AH500E - AUTOMATED FILTER WEIGHTING

State-of-the-art system for filter weighting and data processing, with guaranteed compliance to US EPA 40 CFR monitoring standard.

Measurement performance capabilities:

- Customisable and standard protocols.
- QA/QC protocols (lab/field blanks, metal standards, automatic balance calibration)
- Internal environmental monitoring (P, T, RH, vibration)
- Electrostatic force elimination (Faraday Pan and  $\alpha$ -Particle Emitter)

## AIR POLLUTION MONITORING EQUIPMENT

- Particulate Matter (PM<sub>2.5</sub> - PM<sub>10</sub>) UPAS V2+ personal filter samplers.
- PurpleAIR ambient air quality monitors (PM<sub>1-10</sub>, P, T, TVOC)
- Lascars carbon monoxide data loggers.
- Equipment for monitoring CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub> will be made available over time starting from 2024.

## OTHER EQUIPMENT

- Geocene thermocouple technology for assessment of cooking activities.

# OUR SERVICES

**AUTOMATED FILTER WEIGHTING** ◀

**MONITORING EQUIPMENT HIRING** \* ◀

**MONITORING EQUIPMENT CALIBRATION** \* ◀

**TRAINING COURSES** \* ◀

**BLACK CARBON ANALYSIS** \* ◀

starting from 2024 \*

## CONTACT US:

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