

# Curriculum vitae

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## Mr. Lomertwala Hassan Mnangat

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Email: [hassanmnangat20@gmail.com](mailto:hassanmnangat20@gmail.com);

Nationality: Kenyan

Date of birth: Jan 20, 1995

Marital Status: Single

National Identification card number: 31935662

### CAREER OBJECTIVES

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1. Earn a PhD in chemistry from a top class University/laboratory
2. Pursue postdoctoral research immediately after obtaining the PhD
3. Publish my research work in reputable peer reviewed journals and conferences
4. Take up a tenure track academic position
5. Establish a research group

### ACADEMIC BACK GROUND

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**Year**

**Institution and Qualification**

**2021– To Date:** Murang'a University of Technology, **PhD. in chemistry**

**2018– 2020:** Murang'a University of Technology, **MSc. in chemistry**

**2013-2017:** Maseno University, BSc. Industrial Chemistry (with IT) First class honours

**2009-2012:** Koelel High School, Gilgil.

- Kenya Certificate of Secondary Education, O level (K.C.S.E)
- Pass with A- (Minus) mean grade

**2000-2008:** Kamorrow Primary School, Kapenguria.

- Kenya Certificate of Primary Education, (K.C.P.E) - Pass with 349 out of 500 marks.

### WORK EXPERIENCE

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- **Tutorial fellow:** Murang'a University of Technology: Teaching and supervision of undergraduate students
- **Acting Examination Officer:** Timetabling both teaching and examination timetable, processing marks.
- **Graduate Assistant** Murang'a University of Technology: Mentoring, teaching and supervision of undergraduate students

- **Teaching Assistant** Murang'a University of Technology: Teaching and supervision of undergraduate students.
  - **Teaching Secondary Schools** Meshack Tumkou Secondary School: Teaching, setting tests and marking.
  - **May 2016 – August 2016: Chemist** at the Government Chemists, Kisumu
- | <u>Section</u>                     | <u>Responsibilities</u>   |
|------------------------------------|---|
| <b>1. Water section:</b>           | - Chemical analysis of water samples<br>- Bacteriological analysis of water samples   |
| <b>2. Criminalistic section:</b>   | - Chemical analysis of narcotic substances<br>(cannabis, illicit alcoholic drinks, heroin)  |
| <b>3. Foods and drugs section:</b> | - Chemical and bacteriological analysis of foods, drugs and other industrial products and chemicals for suitability and compliance purposes.      |
| <b>4. Toxicology section:</b>      | - Analysis of post-mortem samples to determine possible cause of death.   |
| <b>5. DNA/Serology section:</b>    | - Analysis of serological samples & body fluids e.g. Blood, saliva, semen to determine paternity/ maternity or identification of missing persons. |

## SKILLS AND COMPETENCIES

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1. Ability to work with a variety of laboratory instruments including:-
  - Ultra Violet spectrometer
  - Atomic Absorption Spectrophotometer
  - PCR- Genetic Analyzer
  - Moisture Analyzer
  - Water Analysis instruments: Turbidimeter, Spectrophotometer, assorted meters (pH and Conductivity meters)
  - Digital alcoholmeter
2. Writing Lab reports for end users
3. Teaching of first year undergraduate students
4. Testing and evaluation of undergraduates: Setting and marking of tests and lab experiment reports, exam invigilation

## HOBBIES

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- I play football.

## Publications

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1. Lomertwala, H. M., Njoroge, P. W., Opiyo, S. A., & Pton, B. M. (2019). Characterization of Clays from selected sites for Refractory Application.
2. Lomertwala, H. M., Njoroge, P. W., Opiyo, S. A., & Pton, B. M. (2020). Effect of Acid Treatment on the Chemical Properties of Clays from Selected Sites in Murang'a and Nyeri counties, Kenya.

## REFEREES

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1. Dr. Peter W. Njoroge  
Chemistry Lecturer  
Muranga University Technology  
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2. Prof. Sylvia Opiyo,  
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3. Dr. Elly .O. Tetty,  
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