

Curriculum Vitae

Given Name: Jeremiah Odhek
 Family Name: Masime
 Address: Technical University of Kenya, Department of Chemical Sciences and Technology P.O. Box 52428 00100, Nairobi
 Telephone No.: +254733792400 or +254713473896
 Email: masimejo@yahoo.com or masimejo@gmail.com

Employment History

Name of Company	Years of Service		Position held and brief description
	From	To	
Technical University of Kenya	Jan 2014	Date	Sessional Assistant Lecturer – Chemistry Taught: -Analytical Chemistry -Quality Control and Standards -Basic Industrial Chemicals -Environmental Chemistry -Electrochemical methods of Analysis -Physical Chemistry -Chemistry to Bachelor of Technology, Public Health Students -Inorganic and Physical Chemistry to Diploma in Pharmacy Students
Teachers Service Commission of Kenya	Feb 2018	Date	a) the senior Head of Department Sciences b) the patron of science c) the patron of Christian Union and a counsellor

Research Experience

- a) PhD Student in Industrial Chemistry (From February 2015 to date).
 I stated my laboratory work in April 2015, so far i have done the following research;
- Collecting yellow oleander seeds and water hyacinth from Nyanza province
 - Extraction of yellow oleander oil from the seed
 - Transesterification of cooking oil using waste eggshells, CaO and MgO
 - Characterization of both the cooking oil and the biodiesel produced.
 - Submitted a manuscript entitled “Characterization of Nanoparticles from Incinerated Waste Eggshells Synthesized by Top-down Technology using x- ray and xrf spectroscopy” to RSC.

- b) Msc Student (2002 to 2011)

Analysis of the Levels of Arsenic, Nitrate, Nitrite and phosphate in Homemade alcoholic beverages, Tap water and the Raw Materials used in Nairobi County (Msc Thesis)

SEMINAR: 23rd Postgraduate Seminar – Masters Graduands Programme
 Venue: Business and Students Service Centre Room 280; Kenyatta University
 Theme: The Role of Research at University as Trailblazers of National Development
 Date : 24th November 2011

MEMBERSHIP:
 Kenya Chemical Society Chapter

Publication Title	Date	Peer Reviewed? Yes/No
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Optimization and Thermodynamics of the Extraction of Yellow Oleander Seed Oil Using Soxhlet Extractor, <i>Journal of Scientific Achievements</i> 2017; 2 (1): 43–50 (Online)	January 2017	Yes
Extraction and Characterization of Yellow Oleander (<i>Thevetia Peruviana</i>) Seed Oil, Meal and Analysis of Eggshells' Catalyst as Potential Feedstocks for Biodiesel Production in Kenya, <i>Journal of the Kenya Chemical Society</i> 10-1 (2017), 58-69	January 2017	Yes
A Research Paper On The Analysis Of The Levels Of Nitrate In Homemade Brews Spirits In Water And Raw Materials In Nairobi County http://www.ijstr.org/final-print/june2013/A-Research-Paper-On-The-Analysis-Of-The-Levels-Of-Nitrate-In-Homemade-Brews-Spirits-In-Water-And-Raw-Materials-In-Nairobi-County.pdf	June 2013	Yes
Determination of the Levels of Nitrate in Homemade brews Spirits in Water and Raw Materials. http://www.ijser.org/onlineResearchPaperViewer.aspx?Determination-of-the-Levels-of-Nitrate-in-Homemade-brews-Spirits-in-Water-and-Raw-Materials.pdf	August 2013	Yes
DETERMINATION-OF-THE-LEVELS-OF-NITRITE-IN-HOMEMADE-BREWS-SPIRITS-AND-RAW-MATERILS-USED. http://www.ijoart.org/docs/DETERMINATION-OF-THE-LEVELS-OF-NITRITE-IN-HOMEMADE-BREWS-SPIRITS-AND-RAW-MATERILS-USED.pdf - August 2013	August 2013	Yes
A RESEARCH PAPER ON THE ANALYSIS OF THE LEVELS OF ARSENIC IN HOME MADE BREWS, SPIRITS, IN WATER AND RAW MATERIALS IN NAIROBI COUNTY http://www.academicjournals.org/ajpac/fulltext/2013/Aug/Jeremiah%20et%20al.htm	December 2013	Yes

REFERREES

Name: Dr. Austin Ochieng Aluoch
Position: Senior Lecturer, Department of Chemical Science and Technology
Organization: Technical University of Kenya, P.O. Box 52428 – 00200, Nairobi, Kenya
Telephone No. +254735 – 262907; +254726-398869; +254-02 2251300 Ext: 288
Position: Senior Lecturer, Chairman – Department of Chemical Science and Technology
Email: Email: austin.ochieng@live.com or austin.ochieng@gmail.com

Name: Dr. Geoffrey Otieno
Position: Lecturer, Chairman – Department of Chemical Science and Technology
Organization: Technical University of Kenya, P.O. Box 52428 – 00200, Nairobi, Kenya
Telephone No. +254-700331903
Email: Geoffrey.otieno@googlemail.com

Name: Prof. Dr. Joseph O. Lalah
Position: Senior Lecturer, Director – School of Graduate and Advanced Studies
Organization: Technical University of Kenya, P.O. Box 52428 – 00200, Nairobi, Kenya
Telephone No. +254(020) 2219929, 3341639, 3343672
Email: Email: lalahjoseph@yahoo.com, jlalah@tukenya.ac.ke