



Dr. Chris Muli Wambua

CURRICULUM VITAE

1.1 Personal Profile

1.1.1 Personal Details

Name: Dr. Chris Muli Wambua

PF No. 10498

Department: Gas and Petroleum Engineering

Designation: Lecturer and Departmental Examinations Coordinator

Email: Wambua.chris@ku.ac.ke or eng.chriswambua@gmail.com

Google Scholar: Chris Wambua

ORCID ID: 0000-0002-4525-451X

Area of Specialization: Gas Engineering

Research Interests: Pipeline design and optimization; Health, Safety and Environment (HSE)

1.1.2 Academic & Professional Qualification

- Doctor of Philosophy (Ph.D.) in Gas Engineering [2020] – World Bank Africa Centre of Excellence for Oilfield Chemicals Research, University of Port Harcourt.
- Master of Science Degree in Chemical Engineering [2013] – Moscow State University of Fine Chemical Technologies named after M.V. Lomonosov.
- Bachelor of Science Degree in Chemical Engineering [2011] – Moscow State University of Fine Chemical Technologies named after M.V. Lomonosov.
- Registered by the Engineers Board of Kenya as a Graduate Engineer (Serial Number B8747) since 23rd July, 2014.
- Registered by the National Registry of Environmental Professionals, NREP (Serial number A2137) since 14th June, 2018.

1.1.3 Employment History

- [October 2020 to date] Lecturer - Kenyatta University. Department of Gas and Petroleum Engineering.
- [April 2020 to date] Departmental Examinations Coordinator - Kenyatta University. Department of Gas and Petroleum Engineering.

- [July 2018 to January 2019] Industrial Internship – Kenya Pipeline Company Limited. Operations Department, Nairobi Terminal (PS 10).
- [December 2016 to September 2020] Tutorial Fellow - Kenyatta University. Department of Gas and Petroleum Engineering.
- [May 2016 to July 2017] Part-time Lecturer – Mount Kenya University. Department of Energy and Environmental Engineering.
- [September 2015 to December 2016] Part-time Lecturer - Kenyatta University. Department of Gas and Petroleum Engineering.
- [January 2014 to August 2016] Part-time Lecturer - The Technical University of Kenya. Department of Chemical and Petroleum Engineering.
- [September 2011- June 2013] Lab Assistant - Moscow State University of Fine Chemical Technologies named after M.V. Lomonosov.
- [July – August 2011/2012] - Administrative Assistant (Summer holidays) - Embassy of the Republic of Kenya, (Moscow) Russia.

1.1.4 Achievements

- Nominated and participated in the national workshop for the framework for onshore and offshore hydrocarbon escape (oil spill) prevention, preparedness and response capacity - Invitation by Ministry of Petroleum and Mining (December, 2020).
- Kenyatta University Team nominee for application of KENGEN research grant (June, 2019).
- Nominated and participated in the Kenya petroleum technical assistance project: validation workshop for the development of transparency and accountability framework for the petroleum sector in Kenya - Invitation by Ministry of Petroleum and Mining (May, 2019).
- Awarded scholarship for doctorate degree program by World Bank, 2017.
- Awarded scholarship for a Bachelor's and Master's degree programs by the Russian Government 2006 and 2011 respectively.

1.2 Publications

Referred Journals

- Wambua, C.M., Joel O.F., Ikiensikimama ,S.S.and Oyoo, D.O. (2020).Validation of Calculated Pressure Drop Using Experimental Data with Standard Methods of an Existing Software. Journal of Engineering Research and Reports. JERR,9(3):1-10,2019;No JERR.53705 ISSN:2582-2926.
- Wambua, C.M., Joel, O.F.,Ikiensikimama,S.S. and Oyoo, D.O.(2019).Validation of Calculated Flow Regime Using Experimental Data with Standard Methods of an Existing Software.Uniport Journal of Engineering and science research (UJESR)Vol.4,Issue 1,2019,61-66.ISSN:2616-1192.

Conferences attended

- Ministry of Petroleum and Mining - National workshop for the framework for onshore and offshore hydrocarbon escape (oil spill) prevention, preparedness and response capacity. (15th December, 2020).
- Kenya petroleum technical Assistance project (KEPTA) validation workshop for the development of transparency and accountability framework for the petroleum sector in Kenya. Held at the Strathmore University , Nairobi, Kenya ,on 15th May, 2019.
- NREP International Conference: Towards Achieving Environmental Sustainability in Africa, Held at the University of Port Harcourt, Nigeria on 2nd October, 2018
- Opportunities for capacity building in the oil and Gas Sector and other Extractives in the Eastern African Region. Organized by the Morendat Institute of Oil And Gas (MIOG). Held at the University of Nairobi Towers from 16th to 17th May ,2018.

1.3 Quality Teaching, Learning and Mentorship

1.3.1 Student Evaluations

- Taught and evaluated students in various engineering units for the last 8 years at Kenyatta University, Mount Kenya University, The Technical University of Kenya.

1.4 Professional/Consultancy

1.4.1 Networks/Collaborations

- Awarded World Bank scholarship through Ruforum GTA 2017 programme

1.4.2 *Membership of Academic /Professional bodies*

- Graduate Engineer - Engineers Board of Kenya as a (Serial Number B8747)
- HSE Expert - National Registry of Environmental Professionals, NREP (Serial Number A2137)

1.5 *Administrative and Responsibilities*

1.5.1 Recognized University Administrative Positions

- Departmental Examinations Coordinator – Gas and Petroleum Engineering
- Appointed Departmental Chairman Research and Innovation committee

1.5.2 Other Responsibilities in the University

- Mentorship of students

1.6 Referees

1. Prof. Ogbonna Joel
Director for World Bank African Centre of excellence/ Dean, Engineering Faculty, University of Port Harcourt, Nigeria.
Mobile: +2348037099211
Email: ogbonna.joel@uniport.edu.ng
2. H.E. Dr. Paul K. Kurgat, PhD
Deputy Head of Mission in Russia.
Email: pkurgat2002@yahoo.co.uk
3. Eng. Eric Kiprotich;
Lecturer, Taita Taveta University.
Mobile: +254734591148
Email: kippserico86@yahoo.com