
NICKSON KIPNG'ETICH LANG'AT

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Bio Data	Gender: Male Date of Birth: 20 th April 1975 Nationality: Kenyan ID NO: 13010528	
Profile Summary	A Graduate Engineer with 10 years experience in lecturing, research and administrative duties in the department of Mechanical, Kenyatta University. Initially, Assistant Lecturer, Masinde Muliro University of Science & Technology. Has been a Part-time Lecturer in the University of Kabianga. Industrial work experience of 3 years in Unilever Tea Kenya Limited and Finlays Kenya Limited, with a patent in green tea processing technology. 5 years community development experience through CBO, NGO, Community Groups and School Management Boards.	
Professional Preparation	2010 - 2017	Doctor of Philosophy, Sustainable Energy Engineering (To Graduate August 2017) Kenyatta University <i>Thesis:</i> Development and Performance of an Improved Fluidized Drier for Green Tea Drying in Kenya- Case study of Finalys Kenya Limited
	2003 - 2007	Master of Philosophy, Production Engineering Moi University <i>Thesis:</i> Impact of Machine Maintenance on Quality of Black Tea
	1995 - 2001	Bachelor of Science, Agricultural Engineering Egerton University Class: 2 nd Class Honours
	1990 - 1993	Kenya Certificate of Secondary Education (KCSE) Tengecha High School Passed with a mean grade of B plain (62 points)
	1981 - 1989	Kenya Certificate of Primary Education (KCPE) Kitala Primary School Passed with a mean grade of B plain (69 points)

Appointments	2006 - 2017	Kenyatta University
	Jan 2017 – Present: Chairman	
	University:	Department of Mechanical Engineering
	Responsibilities:	Running of department of Mechanical & Manufacturing Engineering.
	March 2006 – Present: Lecturer	
University:	Department of Mechanical Engineering	
Responsibilities:	Lecturing, research, ISO coordination and exam coordination in the department of Mechanical & Manufacturing Engineering.	
2006	Masinde Muliro University of Science & Technology.	
Jan. 2006 – March 2006	Assistant Lecturer	
University:	Department of Production Engineering	
Responsibilities:	Lecturing production engineering courses: Mechanical Vibration & Manufacturing Engineering and Thermodynamics	
1996 – 2004	Unilever Tea Kenya Limited	
March 1996 – August 2004: Team Leader & Research Assistant		
Company:	Department of Research & Development	
Responsibilities:	Supervisory duties, vehicle inspection and research work	
Synergistic Activities	2009 – Present	Organization
	2015 – Present	Chair, Basic Engineering Technical Committee Kenya Bureau of Standards (KEBS)
	2014 – Present	Chair, Departmental Under-graduate Projects Committee Department of mechanical engineering, Kenyatta University
	2015 – Present	Chair, Board of Management Kitala Secondary School
	2009 - 2012	Chair, Board of Management Meswondo Secondary School
Workshops/ Seminars	2014	Attended a seminar on ‘Technology Transfer Program’ in the US Department of Agriculture in Maryland- Beltsville MD, USA
	2013	Attended a seminar on ‘Kaizen Productivity based Toyota Production System’ in the Department of Industrial Training, Kenya
	2011	Attended training on ‘Environmental Quality Management’ organized by KEBS, NEMA and Kenyatta University
	2011	Attended a seminar on ‘Patent Search and Innovation’ organized by Kenya Intellectual Property Institute (KIPI) and World Intellectual Property Organization (WIPO)

Publications

Langat N., Thoruwa T., Wanyoko J. (2015). *Pre-drying process of green tea*. Kenya Industrial Property Institute (KIPI). Patent Application Number, KE/P/2011/001427.

Langat N., Thoruwa T., Wanyoko J., Kiplagat J, Plourde B. & Abraham J. (2014). *Models and experiments for energy consumption and quality of green tea drying*. Energy Science & Engineering, published by the Society of Chemical Industry and John Wiley & Sons Ltd.

Langat N., Thoruwa T., Wanyoko J. & Abraham J. (2016). *Performance of an improved fluidized system for processing green tea*. World Academy of Science, Engineering and Technology. International journal of mechanical, aerospace, industrial, mechatronic and manufacturing engineering Vol:10, No:6.

Langat N. (2017). *Simulation of temperature and airflow against moisture content in rotary bed dryer for green tea drying*. Energy Science & Engineering. Society of chemical Industry and John Wiley & Sons Ltd

Langat N. (2017). *Application of green energy in modern cities*. IOSR Journal of Engineering

Referees

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