

CURRICULUM VITAE

Name : John Waweru Gakunga

Title : Lecturer

Field of Study: Civil and Construction Engineering & General Management

Affiliation : Dept of Civil Engineering former, Dept of Water and Environmental Engineering, School of Engineering and Technology, Kenyatta University, Nairobi, Kenya.

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Educational Qualifications:

- MPhil in Civil Engineering , University of Glamorgan, Wales, UK-12/1993), now University of South Wales, UK.
- Post graduate Diploma in Management studies , University of Glamorgan, Wales, UK– (06/1992), now University of South Wales, UK
- Higher National Diploma in Civil and Const. Engineering, Uganda Technical College, Kampala, Uganda - (07/1974), now Kyambogo University, Kampala, Uganda.
- Ordinary National Diploma in Building and Civil Engineering, Kenya Polytechnic, Nairobi –(12/1971), now Kenya Technical University, Nairobi, Kenya..

Teaching Subjects:

- Municipal Solid/Hazardous Wastes Management;
- Manufacturing Resources Management;
Technical writing;
- Construction Technology and Management;
- Human Resources Management in Construction Industry;
- Pollution and Pollution Control
- Construction /Project Management
- Foundation Engineering
- Kenya Water Law

- Introduction to Engineering Profession & Ethics
- Civil Engineering Materials
- Construction & Civil Engineering good practice

Research Interests: Sustainable Technologies, Anaerobic Digestion System (lab), Waste resources recovery education & practice, Urban/Rural water, sanitation and hygiene, MSW Engineering, landfill engineering, landfill mining engineering, leachate treatments, waste to energy schemes, dump site rehabilitation with development of mechanisms for reduction of GHG Emissions in developing countries,

Groups/Associations;

- Registered Technician Engineer (CEI) (1977)
- Vice Chairman, Institution of Engineering Technologists and Technicians in Kenya.
- Fellow Member of Institution of Engineering Technologists and Technicians in Kenya; No 020
- Full Member of the Kenya Institute of Management (1997); No 08807
- Corporate Member of Chartered Management Institute, UK (1993);
- Individual Membership of International Solid Waste Association (2010) No 10-4166
- Member of American Society of Civil Engineers (2015) No 10042456
- Member of Institute of Environmental and Natural Resources ASCE
- Member of Institute of Construction Engineering ASCE

Languages:

	Writing	Reading	Speaking
English	Excellent	Excellent	Excellent
Kiswahili	Good	Good	Good
Kikuyu/ Gikuyu	Mother tongue	Mother tongue	Mother tongue

Awards/ Recognition:

1994-The recognition of UNIDO and UN-Habitat as an International Expert in the following fields: Construction Management, Monitoring and Site Supervision, Pre-casting and Prefabrication of Construction Materials, Local Building Materials, and Private Sector Delivery of Urban Services.

2005-Participation in UNEP, 23rd Ministerial and Governing Council Conference in February 21-24, 2005 at Gigiri, Nairobi, Kenya,

September, 2010 Participation in Environment & Energy, ENTECH 2010, Exhibition, Seminar & Conference in BEXCO, Busan, South Korea

Professional Experience:

08/2011 to date-Lecturer, Dept of Civil Engineering former- Dept of Water and Environmental Engineering, School of Engineering and Technology, Kenyatta University, Nairobi. Kenya.

03/2006 to 08/2011- Assistant Lecturer, Dept of Water and Environmental Engineering, School of Engineering and Technology, Kenyatta University, Nairobi,

Other duties: Departmental Examinations Coordinator and ISO Representative.

06/1998-02/2006-Management Consultant-Span Engineers (Consultants)- advising small and medium scale Contractors/Businessmen in Kenya;

10/1997 – 05/1998- Consultant/Assistant Zonal Engineer,- Africon / Gado Joint Venture (World Bank Project), KUTIP- Management and Technical Assistance Management Consultant,

08/1985-04/1990- General Manager, Building Industry, Mitchell Cotts Kenya Limited,

01/1981-06/1985-Assistant Civil Engineer, Kenya Tea Development Agency,

02/1980-09/1980-KIST Construction Firm Manager, Kiambu Institute of Science and Technology,

12/1968-01/1980- Technician Trainee/ Assistant Resident Engineer, Nairobi City Council,

Goals: To undertake a PhD in Anaerobic Digestion (lab)/ waste to energy schemes, through application of advanced technologies in solving problems related to municipal solid waste/wastewater management in developing countries cities particularly in Africa. Also interested in undertaking MBA.

Other Urban Community Concerns:

I am founder//Managing Trustee of INTERWASTE R&D EA TRUST (Registered in Kenya, with a Certificate of Incorporation). It's objectives are for promotion and adding value to urban solid waste/waste water management, through applying advanced technologies available in Greater Eastern African cities; and working in partnership with International NGOs, local authorities and Universities in the region, looking forward to teaming up with International community institutions and experts in undertaking the programmes in Kenya, Uganda, Tanzania, Burundi, Rwanda, Somalia, South Sudan,

Eastern DR Congo, Ethiopia, Sudan , Djibouti and Eritrea countries/cities and beyond. Please see www.interwaste-ea.co.ke for more information on our commitments to our communities.

Thesis/ Book- Title:

“The Limitations to the Expansion Strategy of the Building Materials Industries in Developing Countries with Special Reference to Kenya.” Chapter 1-8
Author: Gakunga J. W.

Publication/Accomplishment:

Gakunga J.W., Mustapha F.N., Wild S., Taylor J.L. “ The Limitations to the Expansion Strategy of the Building Materials Industries in Developing Countries with Special Reference to Kenya” in proceedings, 20th Annual Conference, Academy of International Business (UK) Region; Internationalization Strategies; Pontypridd, University of Glamorgan, South Wales, April 5-6, 1993

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For References, please contact:

- 1) Eng Daniel W.Njora, Senior Partner,Span Engineers (Consultants), P.O. Box 75093-00200 Nairobi, Kenya; Phone: +254 (0) 722921061;
Email:spanengineers10@gmail.com or dwnjora@yahoo.com
- 2) Dr Isaiah Bosire Omosa, Head/Chairman, Department of Civil Engineering ,Kenyatta University, P.O. Box 43844-00100, Nairobi, Kenya; Phone: +254 (0) 721571 584;
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