

CURRICULUM VITAE

1.0 PERSONAL DETAILS

NAME Dr. Simon M. Maingi (B.Ed., MSc., Ph.D)

OFFICIAL ADDRESS Kenyatta University
School of Agriculture and Environmental Sciences
Department of Environmental Sciences and Education
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2.0 EDUCATION

2.1 Academic Qualifications

Certificate	Institution	Specialization	Awarded
PhD	University of Leeds, UK	Public Health Engineering	1997
MSc.	Kenyatta University	Water Technology	1992
B.Ed.	Kenyatta University	Education	1986
KACE	Thika High School	Principal Passes	1981
EACE	Kangaru School	Division 1	1979

3.0 GRANTS

2009 Attracted funding on Management Reporting Project by partnership for Higher Education (PHEA-ETI)

4.0 WORK EXPERIENCE

1997 To Date Lecturer at Kenyatta University, starting from School of Pure and Applied Sciences, Department of Appropriate Technology Centre, School of Engineering and Technology and Currently School of Agriculture and Environmental Sciences, Department of Environmental Sciences and Education.

1992 – 1997 Tutorial Fellow in the Department of Appropriate Technology Centre

1989 – 1990: Worked in Kenya Army, 2nd Battalion

1986 – 1989 Taught in Kangundo High School

5.0 ADMINISTRATIVE RESPONSIBILITIES

2014 – Onwards	Seminar Coordinator, Department of Civil Engineering, Kenyatta University
2014 – Onwards	Member of Departmental Research Committee, Department of Civil Engineering – Kenyatta University
2008 – 2012	Chairman, Department of Water and Environmental Engineering
2004 – 2007	Departmental Examinations Coordinator, Institute of Opening Learning
2004 – 2006	Member, Faculty of Science Examination Committee
2003 – 2006	Chairman, Departmental Board of Postgraduate Committee, Faculty of Science
2000 – 2006	Departmental Examination Coordinator, Department of Appropriate Technology Centre
2001 – 2002	Acting Chairman, Department of Appropriate Technology Centre
1997 – 2000	Chairman, Departmental Board of Undergraduate Committee, Department of Appropriate Technology Centre.

6.0 POSTGRADUATE EXAMINATION AND POSTGRADUATE SUPERVISION

6.1 Postgraduate Examination

Have examined the following Masters theses as an Internal Examiner for Kenyatta University

1. Maina M.W. (I57/CE/10522/2004, 2012). A Comparative Study of the Quality, Safety and Consumption Preference of the Tap Water and Selected Brands of Bottled Water in Nairobi, Kenya.
2. Gituma C.K. (N50/15243/2008, 2012). Potential of Pulp and Husk from Coffee Processing Agricultural and Energy Services in Kiambu County, Kenya.
3. Maina A. W (I57/OL/12710/2004, 2013). Household Solid Waste Management Practices and Health Implications among Urban Residents in Ruiru Municipality, Kiambu County, Kenya.
4. Mwangi C.M (N50/10696/2006, 2010). Assessment of Household Solid Waste Management in Makina Informal Settlement, Nairobi, Kenya.
5. Ongere E.D (N50/CE/11322/2007, 2013). The Effects of Water uses Preferences on Water Security among Households in Obunga Slums, Kisumu, Kenya.
6. Kaburu F.K (I56/7522/1995, 1998). The Effects of Grass Strips on Crop Growth, Yield and Terrace Development.

6.2 ON- GOING PhD SUPERVISION

1. Christine Waithira Njiru (N85/20721/2012). Adoption of Biogas and Small Hydropower and their Contribution to Energy Alleviation in Kirinyaga County.
2. Gerald I. Maina (N85/25985/2013). Developing and Promoting the use of Sewerage Derived Water for Enhanced Livelihood in Ruai, Nairobi County.

6.3 ON- GOING M.Sc SUPERVISION

1. Victor Muvula Kasimu (N50/CE/22661/2010). Impacts of Community Social-Economic Livelihood Activities on the Sustainable Water Resource Conversation in Mbooni West District, Makueni County, Kenya.
2. Joshua M. Mutune (N50/CE/26883/2011). Effects of Water Security on Environment and Human Well- being A case study of the Rock Catchment in Ikutha Sub- County, Kitui County.

6.4 Successfully supervised the following students

a) PhD Students

1. Clifford Clement Obiero (184/7680/2000, 2011). Space- time characteristics of Hydrological Components of the Athi Catchment.

b) M.Sc Students

1. Elias Onyango Ako (2006). Performance of A 2- Element plane Reflector Augmented Flat Plate Collector for Solar Water Pasteurization.
2. James Muchiri Muriithi (156/7282/2002, 2006). Performance of a Modified Vehicle Drive System in Generating Hydropower.
3. Rosinah Mbenya Kithandi (N50/CTY/PT/21561/2010, 2013). Utilization of sustainability of bio-centres in Kibera slums, Nairobi county.
4. Ruth Mwongeli Munyao (N50/10253/2006, 2014). Assessment of small scale water harvesting and saving technologies and their application in Mitaboni Location, Machakos County

7.0 CONFERENCES/SEMINARS/WORKSHOPS

1. 17th-21st February, 2014. Attended training workshop on geographical information systems (GIS) on hydrology and water resources management, held at CIT, Kenyatta university.
2. 27th May, 2013. Participated in workshop on appropriate technology for the 21st century: sustainable development in Africa held at KUCC.
3. 28th-31st May, 2013: attended training on teaching Methodology, held at BSSC
4. 19th-23rd March, 2012: was committee member on education and sustainable development for Africa (ESDA Programme) induction workshop for faculty, KCB leadership center, Karen, Nairobi.
5. 1st-2nd March, 2010. Attended symposium and workshop on education for Africa held at silver springs hotel and UN complex Gigiri, Nairobi.
6. 19th-21st May, 2009. Attended initiative workshop on PHEA educational technology, held at KUCC.
7. 19th March, 2009. Participated in stakeholders forum committee on B,Sc Engineering programmes, held in Kenyatta university.
8. 12th-16th February, 1992. Participated in a workshop on groundwater modeling, organized by national council of science and technology in collaboration with UNESCO.

8.0 REFERED PUBICATIONS

8.1 Published Journals Articles

1. Otieno, F, A.O, **Maingi, S.M**, Gichuki, F,N, Mungai, D.W, Gachene, C.K.K and Thomas D.B (1993). Sedimentation problems of Masinga reservoir, conference proceedings on land and water management in Kenya, Nairobi
2. Onyango E.A, Thoruwa T.F.N. and **Maingi S.M** (2009). Performance of a 2-element plane reflector augmented galvanized pipe flat plate collector for solar water pasteurization journal of food technology, Vol.7(1);12-19, ISSN 1684-842

8.2 Thesis

1. Maingi S.M., 1997. Characteristics of a waste stabilization pond effluent and its impacts on physicochemical and biotic quality of the receiving water courses. PhD thesis, Department of civil engineering, University of Leeds, UK.
2. Maingi S.M., 1992. Sedimentation in Masinga reservoir. M.Sc. thesis appropriate technology center, Kenyatta University, Kenya.

9.0 RECOGNITION

9.1 Reviewed Professional Periodicals for:

Journals of agriculture, science and technology (JKUAT)

9.2 Community outreach/services

1. 2012 to date: board of governor's membership, Kanyonga secondary school, Mbeere South District, Embu County.
2. 2005-2011; board governors' membership, Makima mixed secondary school, Mbeere South District, Embu County.
3. 2005-2011; board of governors membership, Mbondoni secondary school, Mbeere South District, Embu County.

10.0 OTHERS

10.1 Contribution to University Advancement

- Contributed to University Advancement in many capacities including the appointment as a member of the planning committee for the 6th ICAT conference on appropriate technology to be held on 25th -29th November, 2014 in Kenyatta University.
- Key player in the development of a United Nations sponsored masters of science Degree programme (sustainable urban community development) - Developed sustainable water resource and sanitation option which was later approved by Kenyatta University Senate

11.0 REFEREES

1. Prof. Fred Otieno
Department of Civil Engineering
CAPE Town University
South Africa.
2. Prof. Nigel Horan,
Department of Civil Engineering
University of Leeds, UK

3. Prof. Thomas F.N. Thoruwa
Pwani University, Kenya