

CURRICULUM VITAE



DR. ESTHER MWENDE MUINDI
BSc (UON), MSC (UON), PhD.(SUA)

SOIL AND WATER MANAGEMENT EXPERT

Pwani University

Department of Crop Sciences

School of Agricultural Sciences and Agribusiness

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SUMMARY

A dedicated, determined, prolific and goal oriented scholar, leader, trainer and scientist who executes tabled roles with maximum honesty/integrity and diligence leaving no stone un-turned. Strongly interested in promoting academic prowess of others and research geared towards soil health, environmental health and food security.

PERSONAL INFORMATION

Date of Birth: 14th January, 1983

District: Makueni

Language: English, Kiswahili, Kamba

CAREER OBJECTIVE

To make the best use of my knowledge and technical expertise in Soil and Water Management in both research and training to contribute towards food security as well as becoming a renown full professor.

Curriculum Vitae

ACADEMIC QUALIFICATIONS

Year	Institute	Award
2012-2016	Sokoine University of Agriculture-Tanzania	PhD in Soil and Water Management
2006-2008	University of Nairobi	Msc in Agronomy
2002-2006	University of Nairobi	BSc in Agriculture
1997-2000	Kikima Secondary School	KCSE
1989-1996	Kisesini Primary School	KCPE

PROFESSIONAL TRAININGS

Year	Training	Institute
2017	Farmers Field School Facilitators Training	ATC Mtwapa
2017	Open data for agriculture and Nutrition Training	University of Nairobi
2014	Teaching and Learning in institutions of high education	Makerere University Uganda
2014	World Soils and Their Assessment	ISRIC- Wageningen University- The Netherlands.
2012/2013	Learning and Training Process	Hilux and Morogoro Hotel, Tanzania.
2012	Training of Trainers (TOT)	GTI, Baringo, Kenya.
2011	Curriculum Development	DTI- Naivasha, Kenya.

WORK EXPERIENCE

Duration	Organization	Position held	Responsibilities
2015- Date	Pwani University	Lecturer	Teaching and Conducting soil sciences and agronomy research in crop science department.
2014	Chuka University	Part-time Lecturer	Teaching Soil and Plant science related courses.
2009-2015	Ministry of Agriculture, Livestock and Fisheries	Lecturer	-Training certificate and Diploma students. -Training farmers on soil management, pasture, fodder and multipurpose trees production.
2008-2009	University of Nairobi	Graduate Research assistant	-Establishment of mycology / aflatoxin field experiments in different parts of Kenya. -Data collection, analysis and report writing -Guiding masters students.
2006	Kenya seed company	Records and lab assistant	-Certified seed testing and processing. - Records.

2005

Gatoka Farm

Supervisor

-Rose flower Management, quality control and Marketing.

RESPONSIBILITIES

2015-Todate: School of Agricultural sciences and Agribusiness (SASA) representative in Pwani Scholarship committee.

2016- To date: Department of crop sciences postgraduate coordinator and representative.

2016-Todate: Member of Pwani University timetabling committee.

July- August 2016, April, May & November 2017: Acting head of crop science department.

2016 to date: Member of Pwani University Gender Committee

November 2017: Member of Pwani University Library committee.

January 2017 to date: Academic and research leader of Bachelor of Science Agricultural Resource Management.

CONSULTANCIES

2016: Dagabra irrigation scheme, Magarini-Malindi.

2016 / 2017: Hussein farm, Kilifi/Malindi- Soil fertility and water suitability for irrigation.

2008-2010: Selp Help NGO, Westland, Nairobi.

PUBLICATIONS IN PEER REVIEW JOURNALS

1. **Muindi, E.M.**, Mrema J.P., Semu E., Mtakwa P.W., Gachene C.K. (2017). Phosphate sorption characteristics and external phosphorus requirements of nitisols in Central Kenya Highlands. *International Journal of Soil Science* 12(3):113-119.
2. Chege, J. M. and **Muindi, E. M.** (2016). Influence of Water Management Structures on Household Food Security Status among the Smallholder Farmers in Kilifi Sub-county, Kenya. *Advances in Research* 8(3): 1-9.
3. Chege, J. M., Lemba, J. K., Semenye, P. P., **Muindi, E.M.** (2016). Influence of Household Characteristics on Food Security Status of Smallholder Farmers in Kilifi Sub-County, Kenya. *Asian Journal of Agricultural Extension, Economics and Sociology* 12(1):1-10.
4. Phiri, A.T., **Muindi, E.M.**, Omollo, J.O., Yegon, R., Kausiwa, D. (2016). Inoculated soybean yields response to nitrogen and phosphorus application. *International Journal of Plant and Soil Science* 10(5):1-7.

5. **Muindi, E.M.**, Mrema J.P., Semu E., Mtakwa P.W., Gachene C.K., Njogu M.K. (2016). Effects of Lime-Aluminium-Phosphorus interactions on maize growth in acid soils. *American Journal of Agriculture and Forestry*, 3(6):244-252.
 6. **Muindi, E.M.**, Semu E., Mrema J.P., Mtakwa P.W., Gachene C.K., Njogu M.K. (2016). Soil Acidity Management by Farmers in the Kenya Highlands. *Journal of Agriculture and Ecology Research International*, 5(3): 1-11.
 7. **Muindi, E.M.**, Mrema J.P., Semu E., Mtakwa P.W., Gachene C.K., Njogu M.K. (2015). Lime-Aluminium-Phosphorus interactions in the Kenya Highlands. *American Journal of Experimental Agriculture*, 9 (4):1-10.
 8. **Muindi, E.M.**, Mrema J.P., Semu E., Mtakwa P.W., Gachene C.K., Njogu M.K. (2015). Phosphorus adsorption and its relation with soil properties in acid soils of Western Kenya. *International Journal of Plant and Soil Science*, 4(3):203-211.
 9. Njogu, M., Nyankanga, R., Muthomi, J., **Muindi, E.** (2014). Studies on the effects of stinging nettle extract, phosphoric acid and conventional fungicide combinations on the management of potato late blight and tuber yield in the Highlands of Kenya. *Direct Research Journal of Agriculture and Food Science*. 2 (8) 119-127.
 10. Njogu, M., **Muindi, E.**, Muthomi, J., Nyankanga, R., Muchiri, P. (2014). Phytophthora infestans responses to stinging nettle extract, phosphoric acid and fungicides combination, in Kenya. *Direct Research Journal of Agriculture and Food Science Volume 2 (9):128-134*.
 11. **Muindi, E. M.**, Muthomi, J. W., Nderitu, J. H., Olubayo, F. M., Kabira, J. N., Chemining'wa, G. N., Kiretai, S. M. and Aura, J. A. (2009). Use of cereal border crops in management of aphid-transmitted viral diseases during seed potato production. *African Journal of Horticultural Science*, 2: 69-78.
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BOOKS AND BOOK CHAPTERS

Muindi, E. M. (2015). *Management of potato aphid transmitted viral diseases*. Lambert Academic Publishers, London, 158pp.

POST GRADUATE STUDENTS SUPERVISION AND EXAMINATION

Martin Maluki: Effects of inorganic fertilizer levels and leaf harvesting frequency on yield and nutritional value of butternut cucurbita moschata (dutch.Ex Lam)Dutch.Ex Poir in coastal Kenya. (PhD- ongoing)

Rewe Mercy: Evaluation of the effects of cowdung and coffee pulp bioslurry on soil properties and crop production in Kiambu County. (PhD- ongoing)

Emanuel Mutavuta: Effects of selected organic amendments on biological yield, quality and shelf life of Okra. (Ongoing Msc).

Joel Ngala: Effect of blended castor husks manure on soil fertility, growth and yield of amaranthus in coastal Kenya. (Ongoing Msc).

Andisi Leah: Investigating Nerica 4 rice variety yield potential under selected plant spacing and nitrogen levels in Taita Taveta County (Msc).

Consolata Mueni Muindi: Effects of zinc application methods on green grams growth, yield and nutrient dynamics in Kwale County. (Msc)

Bernard Mainga: Effects of organic and inorganic fertilizer on growth, yield and quality of watermelon (*citrulluslanatus thunb.*) in coastal Kenya. October, 2017.

PEER REVIEW OF INTERNATIONAL PUBLICATION JOURNALS (reviews@publons.com or orinfo@publons.com)

- Journal of Experimental Agriculture
- International Journal of Plant And Soil Sciences
- American Journal of Agriculture and Forestry
- Asian Journal of Plant and Soil Sciences
- Journal of Experimental Agriculture International
- Asian Journal of Agriculture
- Asian Journal of Chemical Sciences
- Journal of Agriculture and Ecology Research International
- Asian Journal of Soil Science and Plant Nutrition

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

- Horticultural Association of Kenya (HAK)
- Organization for women in sciences for the developing world (OWSD).
- Soil Science Society of East Africa.
- Agricultural Society of Kenya (ASK)
- Young professional for agricultural development (YPARD).
- African Network of Women in Science and Engineering (ANWSE)

RESEARCH & TEACHING INTERESTS

Soil health, crop nutrition modeling, Soil and water management, integrated soil fertility management, Soil classification, survey and mapping, Wetland ecosystem management, Gender mainstreaming in agriculture, climate change, Research methods.

SOCIETAL INVOLVEMENTS

- Member of EPITOME Kenya CBO.
- Guidance and counseling

INTERESTS AND HOBBIES

- Swimming.
- Mentorship

REFEREES

Dr. James Mwololo

Scientist, Plant breeding and Seed Systems,
ICRISAT,

Email: mwololojames@yahoo.com

Prof. Peterson Semenye Pole

Dean, School of Agricultural Sciences and Agribusiness

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Dr. Lenard Mounde

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Prof. Gachene, C.K

Department Land Resource Management and Agricultural Technology (LARMAT)

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