

CURRICULUM VITAE

Name: Amos Absalom Omonge Musandu
Citizenship: Kenyan
Mailing Address: Department of Crops, Horticulture and Soils
Egerton University
P.O Box 536 - 20115
Egerton
Telephone: Mobile:-0716753833
email: amosmusandu@yahoo.co.uk

STUDENTS SUCCESSFULLY SUPERVISED

(All students were registered in Egerton University)

1. Ndivo SK (MSc. Soil Science: 2003). Thesis Title – Effect of Nitrogen and Phosphorus application and *Rhizobium* and mycorrhiza inoculation on the performance of Soybean (*Glycine.max* L merr) in a humic *Nitisol*.
2. Wasonga CJ (MSc. Soil Science: 2003). Thesis Title – Phosphorus requirements of maize (*Zea mays* L.) genotypes in different soil types of Siaya District, western Kenya.
3. Onyuka EA (MSc. Soil Science: 2003). Thesis Title – Effects of Nitrogen and Phosphorus on Maize (*Zea mays* L.) performance in phosphorus deficient and *Striga* infested soils of Siaya District in western Kenya.
4. Orangi MO (MSc. Soil Science: 2002). Thesis Title – Effect of Lime, Phosphorus and Rhizobium inoculation on bean (*Phaseolus vulgaris* L.) growth and yield in an acidic mollic *Andosol*

5. Njui AN (MSc. Soil Science: 1999). Thesis Title – Phosphorus use efficiency by maize (*Zea mays* L.) at selected sites in Siaya District, western Kenya.
6. Onwonga RN (MSc. Soil Science: 1997). Thesis Title – The effect of incorporating chickpea residue on soil nutrient status, nitrogen availability and wheat yield in a chickpea wheat rotation.

STUDENT CURRENTLY UNDER SUPERVISION

Omondi MO (BSc. MSc. Soil Science Egerton University).

Registered for Ph.D in Soil Science in the Department of Crops, Horticulture and Soils in the 2011/12 Academic year. Proposed Thesis Title – Enhancing small scale potato productivity using sustainable phosphorus nutrition

ACADEMIC QUALIFICATIONS

BSc (1976) University of Nairobi

MSc Soil Science-Soil Fertility (1979)

Wageningen Agricultural University, The Netherlands

PhD Soil Science-Soil Fertility and Plant Nutrition (1991), Wye College, University of London

PUBLICATIONS IN REFEREED JOURNALS

Wasonga, CJ., DO Sigunga and **AO Musandu**. (2008). Phosphorus requirements by maize varieties in different soil types of western Kenya. *African Crop Science Journal*. 16 (2) 161-173

Ogendo JO., AL Deng., SR Belmain., DJ Walker and **AAOMusandu** (2004). Effect of insecticidal plant materials, *Lantana camara* L and *Tephrosia vogelii* Hook, on the quality parameters of stored maize grains. *Journal of Food Technology in Africa*. 9 (1) 29-36

Musandu, AAO and JO Ogendo. (2001). Response of common bean to *Rhizobium* inoculation and fertilizers. *Journal of Food Technology in Africa*. 6 (4) 121-125

Njui, AN and **AOA Musandu**. (1999). Response of maize to Phosphorus at selected sites in western Kenya. *African Crop Science Journal*. 7 (4) 387-396

Kamau, PA., DW Macharia and **AOA Musandu**. (1996). Spatial and temporal variability in ponded infiltration under maize and soybean intercropping. *Egerton Journal*. 1 (2) 271-283.

Musandu, AAO. (1995). Effect of green manure and maize crop residue on phosphate availability and fixation in Kenyan soils. *East African Agricultural and Forestry Journal*. 60 (3) 175-179

Musandu, AAO and KE Giller. (1994). Effect of vesicular-arbuscular mycorrhiza on Kudzu (*Pueraria phaseoloides*) growth in phosphate fixing Kenya soils. *African Crop Science Journal*. 1 (2) 79-85

Musandu, AAO and KE Giller. (1994). Growth response of Kudzu (*Pueraria phaseoloides*) to vesicular-arbuscular mycorrhiza inoculation and Phosphorus application in Nitisols. *African Crop Science Journal*. 2 (3) 285-290

SELECTED PRESENTATIONS IN SCIENTIFIC CONFERENCES

Onwonga, RN., BO Mochoge., L Nakhone., **AO Musandu** and J Lelei (2010) Decomposition and Nitrogen release rates of buried Chickpea (*Cicer arietinum* L) residue in a mollic *Phaeozem* of Njoro. Book of abstracts. Biophysical and Socio-economic frame conditions for the sustainable management of natural resources: International Research on Food Security, Natural Resource Management and Rural Development. Hamburg. Pp233.

Kiiya, WW., SM Mwonga., RK Obura and **AO Musandu**. (2006). Soil acidity amelioration as a method of sheep sorrel (*Rumex acetosella* L) weed management in potatoes (*Solanum tuberosum* L) in the cool highlands of north rift, Kenya. Proceedings: The 10th KARI biennial Scientific Conference. Volume 1. KARI Headquarters, Nairobi. 12th – 17th November 2006.

UNIVERSITY TEACHING EXPERIENCE

November, 2002 to date:

Associate Professor of Soil Fertility and Plant Nutrition in the Department of Crops, Horticulture and Soils. Lecturer to both undergraduate and postgraduate students in the Departments of Crops, Horticulture and Soils, Natural Resources, Environmental Sciences, Agricultural Education and Agricultural Economics. Currently supervising one Ph.D student registered at Egerton

University and in-charge of undergraduate student research projects in the Department.

March, 1995 to October 2002:

Senior Lecturer of Soil Science in the Department of Soil Science at Egerton University. Taught in Diploma, under-graduate and postgraduate programmes. Conducted research in soil fertility management. As a Rockefeller Foundation (FORUM) Research grantee from September, 1996 to December, 1999; supported and supervised four MSc Soil Science students whose theses research work involved determination of efficiencies of fertilizer use by different maize varieties grown on different soil types of Siaya District. Other duties undertaken included:

- Supervision of three other MSc Soil Science students
- Co-ordination of graduate programmes in the Faculty of Agriculture.
- being Faculty of Agriculture representative to the Board of Graduate school
- Acting chairman of the Department of Soil Science and the Board of Graduate School from time to time
- Examination of MPhil Soil Science theses for Moi University
- Internally examining post graduate theses which I did not supervise.

CURRENT JOB POSITION

Associate Professor of Soil Fertility and Plant Nutrition in the Department of Crops, Horticulture and Soils at Egerton University.

Last Updated: 07/12/2012