CURRICULUM VITAE

NAME: Jacinta Malia Kimiti
Gender: Female
Citizenship: Kenyan
Email: jmkimiti@yahoo.com; jmkimiti@seuco.ac.ke
Languages well
written & spoken: English and, Kiswahili

Religion- Christian (Born-again)

EDUCATION BACKGROUND

PhD: Soil Biology and fertility, Kenyatta University, Kenya, 2004-2008
MSc. Microbiology/Agroforestry, University of Guelph, Canada, 1992-1995
BSc. Biochemistry and Zoology, Second Class Hons. (Upper Division), University of Nairobi, Nairobi, Kenya, 1985-1988

THESES TITTLES

Indigenous knowledge and effects of integrated soil fertility management on growth, grain yield and rhizobia genetics of selected cowpea varieties. PhD Thesis, Kenyatta University, Department of Plant and Microbial Sciences, Kenya. Pp.140

Kimiti J.M. 1995. Inoculation of selected agroforestry tree species with *Rhizobium* and subsequent crop and soil nitrogen responses. MSc. Thesis. University of Guelph, Department of Environmental Biology and Horticultural Science, Guelp Ontario, Canada. Pp. 85.

CERTIFICATES

1. Leadership Certificate Course, organized by World Mission Agency, Winners Chapel, Nairobi, Kenya, 12th to 30th July, 2010.
2. Provincial Management Skills Course for Kenya Professional Association of Women in Agriculture and Environment Members Held at Agricultural Information Centre, Nairobi, 16th to 19th February 1998.
3. Farmer Participatory Research and Scaling up/out Integrated Soil Fertility Management (ISFM) Innovations, Organized by AfNet (TSBF-CIAT). Held at Arusha Tanzania. 28th September to 10th October 2003.
4. Data Management, Data Analysis and Presentation of Results Course, Conducted by Biometrics Unit, at KEFRI HQs Muguga. 9-13 May 2005.
5. Presentation Techniques and PowerPoint Course, organized by Winrock International, KEFRI, Kitui, 10th to 13th September, 2002.
6. Advanced Training Workshop on DSSAT Version 4: Assessing Crop Production, Nutrient Management, Climate Risk and Environmental sustainability with Simulation Model, Held in Accra, Ghana, 21st to 29th October, 2005.
7. A Training Programme on DSSAT Version 4: Assessing Crop Production, Nutrient Management, Climate Risk and Environmental sustainability with Simulation Model, Held in Arusha, Tanzania, 23rd to 28th August, 2004.
8. Monitoring Nutrient Flows and Evaluating Economic Performance in Tropical Farming Systems (NUTMON). A workshop Held at World Agroforestry Centre (ICRAF), Gingiri, Nairobi, Kenya. 14th to 25th April 2003 (80 hrs).
9. Biological Nitrogen Fixation (BNF) Science and Practice, 4 Week Training Course. Held at University of Zimbambwe, Harare. April to May 2002.
10. Developing and writing research proposals, Faculty of Science, University of Nairobi, 29th January to 2nd February, 2001.

11. Scientific Writing for Graduate Students, University of Guelph, Canada, April 1994 (14 contact hours).
12. Teaching: Theory and practice, A Certificate Program for Graduate Students and Postdoctoral Fellows, University of Guelph, Canada, September 1992 through April 1993.
13. Statistical Computer Training Course on Genstat, Kenya Forestry Research Institute (KEFRI) HQs, 18th to 29th June 1990.
14. 2nd National Biological Postgraduate Scientific Conference, held at Kenyatta University, 8th to 10th August 2006.
15. Kenyatta University Postgraduate Seminar, held at Kenyatta University, 10th June 2009.
16. Intensive Japanese Course, held at Okinawa International Centre, Japan, 3rd to 14th August 1998 (50 contact hours).
17. Forest Soils Course at University of the Ryukyus, Japan, September. 21-Nov. 27, 1998.
18. Group Training Course in Forest Soils at Okinawa and Japan Mainland, July 27th to November 27th1998.
19. Basic Bible Certificate Course, Organized by Word of Faith Bible Institute, Nairobi, Kenya, July and August 1999.
20. Certificate of Discipleship at Winners' Chapel International Nairobi, Kenya, 2002.
21 Higher Education Loans Board, Certificate of Clearance of University Students Loan, January 2011, Nairobi, Kenya.
22 Disability training, 2011, South Eastern University College/

COMPUTER LITERACY

I am well versed with the following computer packages:

1. SAS (Statistical Analysis System), 2) Microsoft Excel, 3) PowerPoint
4) Ms Word 5) GenStat

WORKING EXPERIENCE

1) **1984 –1987 Secondary school teacher (Part time) – Katangi and Kitheuni Sec Schools**

2) 1988/August to October 2010 (22 years): Kenya Forestry Research Institute (KEFRI)

Some of the assignments undertaken at KEFRI:

- 1989-1992, at KEFRI, I coordinated the activities of European Economy Community Funded Project "The Effectiveness of Nitrogen Fixation Symbioses under the Arid and Semi-arid Conditions of Kenya".
- 1989-1992 In-charge of Biotechnology laboratories (Soil microbiology and Tissue culture).

1995–1999 **:** Planned, set up and monitored greenhouse experiments on microsymbiont symbioses on *Leucaena leucocephala and Calliandra calothyrsus testing effect on inoculation timing*.

: Participated in KEFRI/ODA project implemented at Muguga and Kitui.

: Participated in species documentation, soil profile identification, and participatory research appraisal (PRA) in the communities living adjacent to Mt Elgon.

: Participated in nutrient cycling studies in field trials at Gede (coastal sandy soils) and Kitui (semi-arid area in Kenya).

- 1999-2000 Research fellowship at ICRAF, investigating Phosphorus uptake from sparingly soluble phosphate rocks by selected promising woody agroforestry species and grain legumes and Dual inoculation effects on phosphorus uptake.
- 2000– 2003 Extension Manager, Social Forestry Extension Model Development (SOFEM) Project, Kitui Regional Research Centre, Dryland Research Station of KEFRI. Project that trained farmers on tree nursery establishment, tree planting, tree management and improvement.
- 2007-2010 September, National Coordinator of EU funded projects (FOREAIM and ACACIAGUM) at Kenya Forestry Research Institute (KEFRI). ACIAGUM project investigated socio-economic, physiology and soil microbial aspects of Acacia Senegal with study sites at Isiolo, Baringo and Kajiado regions. FOREAIM project was implemented within and around Mau complex on soil microbiology, social economics, water hydrology and marketing of Mau Forest products,
- 2007 to 2010 was in-charge of all the project activities in the Biotechnoly laboratories (Soil microbiology, Tissue culture and Molecular biology).
- At KEFRI, I participated in various management committees e.g Anticorruption committee.

3) South Eastern University College

October 2010 to date- Lecturer School of Environment

November 2010 todate – Chairman Department of Forestry Resources Management

Some of the assignments accomplished at SEUCO

- Development of a department brochure – in internet
- Initiation of a flower/tree nursery (6 500 flowers and tree seedlings in nursery and 855 planted at SEUCO compound, new nursery site fenced and potting for more flower tree planting in progress).
- Participated in four SEUCO exhibitions (KEFRI Kitui, Machakos SEICO exhibitions, Machakos Show and Embu).
- Participation in various committees (procurement, university library, show/exhibitions, determination of opening date 2011/2012, partiming remuneration, university scheme of service)
- Have completed preparing two MSc programes: MSc in Agroforestry and MSc in Community Development and extension and two certificate programmes: Participatory Research Appraisal (PRA) and Project Cycle Management (PCM).

COURSES TOUGHT AT SEUCO

1) Biochemistry for Diploma students
2) SBL 201- Biomolecules,
3) ASS 201 – Soil microbiology and biochemistry
4) ENF 108 – Soil science
5) AEM 204- Organic farming

AWARDS

CIDA Scholarship: 1992-1995, MSc. University of Guelph, Canada

Rock Feller: 1999-2000, Post graduate research at International Centre for Research In Agroforestry (ICRAF), current World Agroforestry Centre

JICA: 1988: 4-months training in Forest Soils at Japan.

Desert Margins: 2003-2008, Ph.D. Kenyatta University, Research Component.

GoK through DPM: 2005-2008, Ph.D. Kenyatta University Fees Payment and Partial Research Support.

PEER REVIEWED PAPERS

1. Kimiti JM 2011. Integrated Soil fertility management influenced cowpea root growth in semi-arid eastern Kenya. Journal of Agricultural Research for Africa 6(13):3081-3091.
2. Kimiti JM and DW Odee. 2010. Integrated soil fertility management enhances population and effectiveness of indigenous cowpea rhizobia in semi-arid eastern Kenya. Journal of Applied Soil Ecology 45: 304–309
3. Kimiti J.M. 2009. Farmer evaluation of soil fertility and food availability in the dryland Makueni district of eastern Kenya. Journal of Extension Systems. 25: 25-32.
4. Kimiti JM, Odee DW and Vanlauwe B**.** 2009**.** Area under grain legumes cultivation and problems faced by smallholder farmers in legume production in the semi-arid eastern Kenya. Journal of Sustainable Development for Africa. 11(4): 305-315.
5. Odee DW, Sutherland JM, Kimiti JM and Sprent JI. 1995. Natural rhizobial populations and nodulation status of woody legumes growing in diverse conditions of Kenya. Plant Soil 173: 211-224.

BOOKS EDITED

1) Forest Restoration Handbook for Moist Forests in Kenya. 2010. Pp 56

INFORMATION LEAFLETS PUBLISHED

1) Indicators of Forest degradation in Mau Forests Complex. 2010. Njuguna JC, Kimiti JM, Langat DK, Okeyo MM, Kamondo BM and Mbinga JM.

BOOK CHAPTERS

1. Kimiti J.M and Njuguna J. 2010. Impact of Forest Degradation on Soil and Water Resources. In: Kigomo BN, Kimiti JM and Tuwei PK (Eds.). Forest Restoration Handbook for Moist Forests in Kenya. Pp.34-37.
2. Kimiti JM, AO Esilaba, B. Vanlauwe and A. Bationo. 2007. Participatory diagnosis in eastern drylands of Kenya: Are farmers aware of their soil fertility status in Kenya. In: Bationo A, Waswa B, Kihara J and Kimetu J (Eds.). Advances in Integrated soil fertility Management in Sub-Saharan Africa: Challenges and opportunities. Pp. 961-967.
3. Kimiti JM and Smithson PC. 2004. Dual inioculation of woody legumes and phosphorus uptake from insoluble phosphate rock. In: Bationo A. (Ed). Managing nutrient cycles to sustain soil fertility in Sub-Saharan Africa. Pp 423-432.

CONFERENCE PAPERS

1. Kimiti JM and DW Odee. 2011. Soil fertility conservation management: A farmer perspective on the causes of soil fertility decline in semi-arid south eastern Kenya. A paper presented at the 26th Soil Science Society of East Africa (SSSEA), 21st-24th November 2011.
2. Kimiti JM, Kitheka E, Musyoki JK, Musyoka RN, Nge'eno PK and Atanas A. 2004. Sustainability of Social Forestry Extension Project in Kitui District. Proceedings of the 2nd KEFRI Scientific Conference. Pp. 282-286.
3. Kimiti JM. 2004. Screening improved fallow species for biomass production and nitrogen fixation. In. Proceedings of the 6th International Symposium on plant-soil interactions at low pH. Augusts 1-5 2004, Sendai, Japan. Pp 396-397.

4. Kimiti JM and Gordon AM. 2003. Trends in growth, nitrogen fixation and soil nutrient after selected agroforestry trees were inoculated with Rhizobium. In: African women in science and technology: A vision for the 21st century. Pp. 354-356
5. Kimiti JM. 2001. Experiences Learnt from the Social Forestry Extension Model Development Project: Extension processes in Kitui, Kenya. In: Proceedings of the Regional social forestry extension seminar for semi-arid areas. Pp. 162-165.
6. Kimiti JM, Shimada K and Kyenze PM. 2001. Extension by monitoring: A tool for keeping healthy established farm forests. In: Proceedings of the Regional social forestry extension seminar for semi-arid areas. Pp. 176-180
7. Atana A., Kimiti JM, Kitheka E. and Shimada K. 2001. On-farm technology transfer: A sustainable extension tool. In: Proceedings of the regional social forestry extension seminar for semi-arid areas. Pp. 181-187.
8. Atanas A., Kitheka E., Kimiti JM, Oyugi E and Shimada K. 2001. Seed and seedling information for the promotion of farm forestry. In: Proceedings of the regional social forestry extension seminar for semi-arid areas. Pp.201-205
9. Kitheka E. Atanas A, Kimiti JM and Shimada K. 2001. Emowering farmers towards food sufficiency in seedling production and farm forest establsihment. . In: Proceedings of the Regional social forestry extension seminar for semi-arid areas. Pp. 115-119
10. Kyenze PM, Kimiti JM and Kitheka E. 2001. Gender issues in forestry extension at Kitui. In: Proceedings of the Regional social forestry extension seminar for semi-arid areas. Pp. 188-191
11. Kyenze PM, Kitheka E., Kimiti JM and Shimada K. 2001.Energy conservation for sustainable wood fuel utilization. Proceedings of the Regional social forestry extension seminar for semi-arid areas. Pp. 56-60.

CONFERENCE PRESENTATIONS

1)Kimiti, JM and DP Kisangau. 2011. Stage of Development and Agro-biodiversity Programmes for SEUCO. A presentation made during the Agro-biodiversity Seminar held at SEUCO Main Campus, 17 to 18th March 2011.

2. Kimiti JM, AO Esilaba,B Vanlauwe and A. Bationo. 2005. Farmer Participation in The Drylands of Eastern Kenya on Soil Fertility Status and Management. A presentation made at a stakeholders' workshop held at Makueni district, Emali,. From 27-30 September 2005.

3. Kimiti JM, AO Esilaba, B. Vanlauwe and A. Bationo. 2004. Soil Fertility Decline is a Threat to Dryland Farming: What are Farmers doing about it? A presentation at the 15th International Symposium of the International Scientific Centre of Fertilizers (CIEC).. Held at CSIR Information Convention Centre, Pretoria, South Africa from 27-30 September 2004 (Abstracts pg 26).

4. Kimiti JM. 2003. Integrating Trees in Dryland Farming Systems for Conservation and Poverty Alleviation: An Eastern Kenya Experience. A Presentation at Malawi Agroforestry Conference 2003 June 2nd to 3rd 2003.

5. Kimiti JM. 2004. Social Forestry Extension Model Development Project (SOFEM): A Successful Tree Planting Case in the Drylands. Presented at a Regional Dryland Workshop held at ICRAF (World Agroforestry Centre). Gigiri, Nairobi-Kenya. September 1-3, 2004.

6. Kimiti JM and Oyugi E. 2002. SOFEM extension strategy. A presentation at The Final SOFEM Conference and 14th Regional Social Forestry Course, held at KEFRI HQs Muguga, Kenya, 16-17 September 2002.

7. Kimiti JM and Smithson PC. 2001. Phosphorus uptake by fallow and grain legumes from sparingly soluble P sources. In: Integrated management and use of Acid soils for sustainable production: 5th International plant-soil interactions at low pH Symposium. Southb Africa. (Abstracts Pg.97).

8. Kimondo JM, Mwaburi A and Kimiti JM. 2001. Rural poverty alleviation through farm forestry establishment. A conference presentation at AICAD first workshop, Nairobi, Kenya, March 2001.

REPORTS

1. Ford Foundation Fellowship report, 2000. Pp. 26
2. Vegetation and Soil survey at Okinawa, submitted to JICA, November, 1998. Pp. 60.
3. Country report submitted to JICA, April 1998.\

STUDENTS SUPERVISED

1) Currently I am supervising a PhD student (Beryn A Otieno), who has just started her PhD in Australia, at LA TROBE University.
2) I have supervised 13 undergraduate students on industrial attachment at KEFRI from local universities (Moi, Kenyatta and JKUAT) with reports written.

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

1. African Soil Biology and Fertility Research Network (AfNet)
2. Soil Science Society of East Africa.
3. Kenya Association of Microbiology.
4. Kenya Professional Association of Women in Agriculture and Environment

REFEREES

Dr. Joyce M. Jefwa (Ph.D.); Research Scientist, Tropical Soil Biology and Fertility (TSBF-CIAT), C/o ICRAF; P.O Box 30677 – 00100, Nairobi
Email: j.jefwa@cgiar.org, Cell: 0717 720 108.

Dr. John M. Maingi (Ph.D.); Lecture, Department of Plant and Microbial Sciences; Kenyatta University; P.O Box 43844-00100; Nairobi.
Email: jmanguske@yahoo.com, Cell: 0722 880 280.

Dr. Evelyn C. Kiptot (Ph.D.); Research Scientist, World Agroforestry Centre (ICRAF); P.O Box 30677- 00100
Nairobi; Email: ekiptot@yahoo.com, 0722 607 693