

CURRICULUM VITAE

NAME Cecilia Nyawira Muriithi Ritho
MAIDEN NAME Cecilia Nyawira Muriithi
NATIONALITY Kenyan
AGE Born 1954
PROFESSION Economist - Natural Resource and Environment
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CURRENT POSITION LECTURER

ACADEMIC QUALIFICATION

- **1999 - 2005** PhD thesis (University of Nairobi)
- **1991 - 1994** University of Manitoba, Canada PhD course work specializing in Environmental Economics and Natural Resources
- **1977 - 1979** University of Nairobi, MSc. Agricultural Economics
- **1974 - 1977** University of Nairobi, BSc. Agriculture
- **1973** East African Advanced Certificate of Education (EAACE) **THREE** principals (A, A and E) and **ONE** subsidiary pass level.
- **1971** East African Certificate of Education (EACE) - 1st Division, 11 points

LECTURING EXPERIENCE

- 1. Doctor of Philosophy level (University of Nairobi, Department of Land Resource Management & Agricultural Technology)**
 - **2009 - Dryland Resource Economics** (Half semester compulsory course leading to the award of Doctor of Philosophy degree in Dryland Resource Management)
- 2. Master of Science level (University of Nairobi, Department of Agricultural economics)**
 - **Econometrics – 2005 – on going** (Quantitative methods used by Agricultural Economist as one of the compulsory courses leading to the award of degree in Masters of Science in Agricultural Economics)
 - **Agricultural Resource Economics - 2005** (one optional course leading to the award of degree in Masters of Science in Agricultural Resource Management) .
 - **Farming systems and livelihoods -2009** (one compulsory course leading to the award of degree in Masters of Science in Agricultural Information Management)

3 Bachelor of Science level (University of Nairobi) since 1994

- Quantitative Methods in Agricultural Economics (4th year)
- Natural Resource and Environmental Economics (4th year)
- Management and use of resources (2nd year)
- Research methodology for undergraduate project (4th year)
- Farm management (3rd year)
- Farming as a component of Agribusiness (4th year)

RESEARCH EXPERIENCE

PhD thesis Supervision – Jomo Kenyatta University of Agriculture and Technology, Kenya

- A socio-economic assessment of the effects of tea and coffee production on gender roles in households of smallholder farmers in Kiambu District, Central Province, Kenya by Winifred W. Karugu (on going)

Msc thesis Supervision - University of Nairobi :

1. Analysis of Economic Efficiency of Smallholder Maize Production in North-Western, Kenya. by M.C. Motoko..
2. Economic Assessment of Control Strategies of invasive Leaf Miner Pest on Snow Peas in Kenya: The Case of Nyeri North and Meru Districts by Z. Gitonga
3. Analysis of the Effect of Land Tenure on Technical Efficiency of Smallholder Crop Production in Kenya by D.K. Kariuki .
4. Environmental and Economic Benefits of Independent Hydro-Power Production in the Tea Sector in Kenya by P.M. Munyua..
5. Ex ante Analysis of the Potential Impact of the Proposed Seeds and Plant Varieties Act on On-farm Conservation of Crop Genetic Resources: A Case Study of Machakos District by J.O. Nyaemo.
6. Economic Efficiency of Farmers Ware Potatoes Enterprises in Kenya: The Case of Ware Potatoes Production in Nyandarua and Nakuru Districts by D.N. Kipkoech.

Fourth year project Supervision for partial fulfilment for the award of degree of Bachelor of Science in Agriculture at the University of Nairobi

- Supervised more than 25 fourth year in number) on diverse problems of natural and environmental resource use in Kenya for fulfilment of the award of Bachelor of Science in Agriculture for students opting for Agricultural Economics in fourth year of study.

OTHER RESPONSIBILITIES IN THE DEPARTMENT AND IN THE FACULTY

- 1st Curriculum Review BSc Agriculture (committee member) - 2004
- 2nd Curriculum Review BSc Agriculture (committee member) – 2009.
- Acting Chairman for the Department (from time to time)
- Faculty of Agriculture Website committee member ((on going)
- Special Project coordinator 1999-2004
- Departmental Seminar Coordinator (on going)
- Departmental Examination coordinator (2004)
- Student Mentoring Program Faculty of Agriculture- member (on-going)

PUBLICATIONS, TECHNICAL PAPERS AND REPORTS

1. Kipkoech D. N, Mburu J and **Ritho C.** “Efficiency in Farmers’ Seed Enterprises: Case of Seed Potato in Nyandarua and Molo Districts in Kenya. *East African Agriculture and Forestry Journal - Special issue – 2008: 72 (2) 103-115.*
2. Mutoko, M. C., **Ritho, C. N.**, Benhin, J. K. A. and Mbatia, O. L. E.(2007), “Comparative Analysis of Technical Efficiency of Small-Scale Maize Farmers within and outside the Soil Management Project in Northwestern Kenya”, *East African Agriculture and Forestry Journal - Special issue – 2008: 72 (2)*
3. Kariuki D, **Ritho C**, Munei K. (2008) ‘Analysis of the Effect of Land Tenure on Technical Efficiency in Smallholder Crop Production in Kenya’ paper at the 2008 Tropentag Conference at the University of Hoheinheim Germany.
www.tropentag.de/abstracts/full/230.pdf
4. Mutoko, M. C., **Ritho, C. N.**, Benhin, J. K. A. and Mbatia, O. L. E.(2007), “Comparative Analysis of Technical Efficiency of Small-Scale Maize Farmers within and outside the Soil Management Project in Northwestern Kenya”, KARI Scientific Conference 2007.
5. Kariuki D, **Ritho C**, and Munei K (2008). Analysis of the Effect of Land Tenure on Technical Efficiency in Smallholder Crop Production in Kenya. A paper presented at the Annual Tropentag Conference held 7-9th 2008 at the University of Hoheinheim, Stuttgart, Germany.”
6. Gathenya, J. N. **Ritho, C. N.**, Home, P. G., Ngamau, C. N. and Munyiri, I. (2007), Characterization and Performance of small holders farmed irrigation in Kenya A paper presented at commission for higher education (CHE) Workshop on 26-30th August, 2008, Mombasa, Kenya

7. Mburu, J (ed), Contributors R. Abila, I. Diasfas, P. Guthiga, R. Hatfield, S. Kiragu and **C.Ritho**, "Evaluation and Environmental Assessment Training Manual" Training held on 15 - 26th August, 2005 at Kakamega Golf Hotel, Kenya. Sponsored by German Ministry of Education and Research (BMBF), BIOTA East African Project, Centre for Development Research (ZEF) University of Bonn, Germany, The World Conservation Union- Eastern African Regional Office (IUCN- EARO).
8. **Ritho C.N** (2004), Review of Natural Resource Management Policy Studies in the East African Highlands, Department of Agricultural Economics and ICRAF, Nairobi.
9. **Muriithi C.N** (1980), "Report on a Tour of four Asian Countries to Evaluate Cropping Systems Research Programs." The Farm Systems Newsletter No 2, July 1980. CIMMYT Eastern Africa Economics Program. International Maize and Wheat Improvement Centre (CIMMYT).
10. **Muriithi C.N** (1980), "The Role of Women in Small-scale farm production in Kenya". Presented at the workshop organised by the Ford foundation on Women in Agricultural Production in Eastern and Southern Africa, 9-11th April, 1980, Nairobi, Kenya.
11. **Muriithi C.N** (1980), "On-Farm Experiments: Some Experiences". Presented at the Second Symposium on Intercropping for the Semi-arid Areas (2nd SISA), 4th - 7th August, 1980 in Morogoro, Tanzania.

OWN THESIS :

1. Ph.D Thesis (2005) - An economic analysis of urban farming by households from low income areas in Nairobi, Kenya.
2. M.Sc. Thesis (1980) - Factors Influencing Farm Income in Marginal Areas of the Lower Cotton Zone in Eastern Kenya (Machakos, Kitui and Mbeere Division-Embu)

COLLABORATIVE RESEARCH/LINKAGES AT THE UNIVERSITY OF NAIROBI

- Socio- economist for the project funded by competitive grant from the Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA) involving three countries and five institutions focusing on making the best of climate information in smallholder agriculture
- Socio- economist for the project funded by CHE competitive grant in collaboration with JKUAT- Development of alternative irrigation technologies for higher water, labour and nutrient-use efficiency in water scarce areas of Kenya

- Socio- economist for the project funded by CHE competitive grant in collaboration with JKUAT- Development of alternative irrigation technologies for higher water, labour and nutrient-use efficiency in water scarce areas of Kenya

AWARDS

1. 1975 Shell Prize Best Student, 1st year Faculty of Agriculture
2. 1977 DAAD Scholarship for Msc in Agricultural Economics University of Nairobi
3. 1979 IDRC grant for study tour to South East Asia Farming Systems Research sites and institutions.
4. 1984 UNESCO Short course grant to attend one month Training for Teachers of Agriculture in Universities in Nitra, Czechoslovakia
5. 1997 University of Nairobi Deans Committee Grant for PhD Thesis research

RECORD OF EMPLOYMENT

1. **October 1991 – Ongoing Lecturer** (As detailed above)
2. **August 1982 - December 1991** Attained position of Senior Lecturer with the Teachers Service Commission At the Jomo Kenyatta College of Agriculture and Technology (JKUCAT)
3. **August 1979-July 1982** - Agricultural Economist, Research Division of the Ministry of Agriculture Kenya Agricultural fore-runner of Research Institute (KARI) Muguga involved in interdisciplinary Farming Systems Research.
4. **July - September 1977-** Research Assistant ,Department of Agricultural Economics, University of Nairobi

PROFESSIONAL WORK RECORD

- 2006 → On-going Part-time lecturer for Jomo Kenyatta University of Agriculture and Technology, Institute of Human Resource Development for in Masters in Business Administration and Masters of Science in Procurement and Logistics Operations Research (Management Science) unit.
- 2005 – On-going (three years) → Socio - Economist in a collaborative research project involving five research institutions in three countries, Kenya, Ethiopia and Madagascar. It is funded through a competitive grant by The Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA).

- 2005 → Lead role in designing household survey to cover non-arid areas of Kenya for Climate Change (GEF regional climate, water and agriculture project : impacts on and adaptation of agro ecological systems In Africa coordinated by Yale University (USA) and University of Pretoria (South Africa).
- 2002-2004 → Lead researcher in the project “Review of Natural Resource Management Policy Studies in the East African Highlands” involving Kenya, Uganda and Tanzania jointly undertaken by ICRAF and the Department of Agricultural Economics, University of Nairobi . For this project, she carried out in depth literature review and extensive personal interviews of resource persons representing institutions with a stake in Natural Resource Management in the region (Kenya and Uganda).
- 2003-2004 → Reviewed of Bachelor of Science Degree curriculum for the Faculty of Agriculture University of Nairobi- input on agricultural economics, resource and environmental management, project analysis, econometric and quantitative analysis courses.
- 2003-2004 → Took lead role in development of curriculum for Bachelor of Science Degree in Agricultural Economics to be offered by the Department of Agricultural Economics, Faculty of Agriculture University of Nairobi.
- 1997-2003 → Course assistant for Project Identification and Designing in the African training course on Local and Regional Development and Planning organized by United Nations Centre for Regional Development (UNCRD) Africa Office, United nations Development Programme (UNDP) Kenya in collaboration with Government of Japan for five years since 1997.

PROFESSIONAL COURSES ATTENDED

1. September 2008 → Attended Training Workshop for e-Content Development organized by School of Computing Lab, University of Nairobi 8th - 19th September, 2008.
2. February 2008 → Attended Training in Pedagogy 4th – 6th February , 2008 organized by the University of Nairobi
3. February 2007 → The Instructors’ Workshop for Second Semester CMAAE courses held in Serena Kampala, in February 2007,
4. July 2007→ Attended Econometrics Retooling Workshop Program , Grand Regency Nairobi July 25-27 organized by The Collaborative Masters Program in Agricultural and Applied Economics in Eastern, Central and Southern Africa (CMMAE)

5. December 2004 → Attended The World Bank organized workshop called International Program for Development Evaluation Training (IPDET) in Kampala Uganda for five days and joined the alumni of those who have attended the training worldwide, linked through the IPDET email network.
6. August 2004 → Participated in the Natural Resources Management and Institutions training workshop jointly organized by International Centre for Research on Agroforestry (ICRAF) and Collective Action and Property rights (CAPri) of the International Food Policy Institute (IFPRI) in Nairobi Kenya (19-23 August, 2004).
7. March 2001 → Attended Workshop for Proposal Writing for Policy Research: 2020 Vision Network for East Africa, held in the Department of Agricultural Economics, University of Nairobi, Kenya.
8. March 2001 → Attended a two day training workshop for Country Almanac (version 3.0) organized by CIMMYT, Texas A&M University and ICRAF to make GIS technology accessible to non GIS experts targeting researchers in the fields of agriculture, natural resources management, health and disaster management.
9. February 2000 → Attended a course, Management of Water for Agricultural and Urban Use 19th January organized by Centre for International Cooperation And Agricultural Development (CINADCO) at Shefayim, Israel.
10. May 1984 Training for Teachers of Agriculture in Universities organized by UNESCO in Nitra, Czechoslovakia

SYMPOSIUMS/WORKSHOPS ATTENDED AND PAPERS PRESENTED

1. Kenya Dairy Policy Forum 11th May Nairobi.
2. The Role of Women in Small-scale farm production in Kenya. Presented at the workshop organised by the Ford foundation on Women in Agricultural Production in eastern and Southern Africa. 9th-11th April, 1980, Nairobi Kenya.
3. "On Farm Experiments: Some experiences" Presented at the Second Symposium on Intercropping for Semi-arid areas (2nd SISA), Morogoro, Tanzania. 4th-7th August, 1980

PROFESSIONAL TOUR

1. 1979 IDRC organized two-week tour to India, Ceylon, Thailand and Philippines to gain first hand experience of how farming system research in South East Asia

RESPONSIBILITIES AT JOMO KENYATTA OF AGRICULTURE AND TECHNOLOGY

1. Teaching

Agricultural Economic subjects (Economic Theory, Production Economics, Farm Management, Farm Records and Accounts, Agricultural Marketing, Economics of Development and Agricultural Extension leading to National Diploma in Horticulture and National Diploma in Agricultural Engineering, both externally examined.

2. Supervision - 28 diploma dissertations involving primary data collection.

3. Curriculum development

Panel member preparing and presenting the first draft for Agricultural Economics courses to develop a national diploma syllabus eventually approved by Kenya Institute of Education and examined externally by the Kenya Examinations Council. Successful completion after three years of study leads to the award of Ordinary Diploma in Horticulture or Ordinary Diploma in Agricultural Engineering.

4. Administration

- Acting Dean of Students for entire college for three months.
- Acting Chairman of the Department of Horticulture for four months.
- Member of College Disciplinary Committee

REFEREES:

Professor S. G. Mbogoh

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University of Nairobi
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Professor J.H. Nderitu

Dean, Faculty of Agriculture

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I certify that all the information stated above is true and correct to the best of my knowledge

Cecilia Nyawira Ritho (PhD)

6th May, 2010