



PERSONAL INFORMATION:

NAME: Dr. Richard C.A. Cheruiyot

EMPLOYMENT: Lecturer, Botany Department,
Kenyatta University.

CONTACT ADDRESS: (i) Home Address: P.O. Box 83, Kedowa
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WORK EXPERIENCE:

Jan. 1976-Oct.1976:	Teacher (Kaplelartet Primary School)
May 1979-July 1979	Teacher (Nakuru Day Sec. School)
Sept. 1979:	Teacher (Kabarak High School)
Oct.1981-Jan.1982:	Teacher (Aga Khan High School)
Jan. 1982-April 1982:	Ecologist(National Environment Secretariat)
April 1982-Feb.1983:	Graduate Assistant (Kenyatta University)
Feb. 1983-July 1988:	Tutorial Fellow (Kenyatta University)
July 1988 to date:	Lecturer (Kenyatta University).

RESPONSIBILITIES:

- (i) Current:
Committee Membership:
- PMS Board of Postgraduate Studies
 - PMS Curriculum Review Committee
- (ii) Past:
- Secretary, Departmental Board Meetings.
 - Chairman, Botany Department Income Generating Committee: Non-academic Committee Programmes.
 - Head, Plant Biochemistry Section.

- Academic Advisor - 1st year, 2nd year, 3rd year, 4th year.
- Chairman, Departmental Undergraduate Studies Committee.
- Member of Faculty of Science Welfare Committee.
- Member, Faculty of Science Undergraduate Studies Committee.
- External Examiner for Biology, Kagumo College (1993-2000).
- Chairman, of Departmental Board of Postgraduate Studies.
- Member of Faculty of Science Board of Postgraduate Studies.
- Botany Department Board of Postgraduate Studies.
- Botany Department Academic Members of Promotions & Appraisal Committee.

STUDENT SUPERVISION:

(i) Undergraduate:

- Francis Omondi Oleche (1999) – Effects of submergence on commonly grown subsistence crops in Kenya.
- Mwai Catherine Wanjiru (2002) – Growth dynamics of common crops under flooded conditions.
- Roseline M. Osugo (2004) - Some medicinal plants used by herbalists in the treatment of ulcers.
- Daniel Omwoyo (2008) – Medicinal Plants of Kenyatta University, Main Campus

(ii) Postgraduate:

(a) Completed M.Sc Supervision:

- Catherine W. Kimani (1993) - Effects of lower temperatures on three upland rice varieties.
- Gicharu Gibson Kamau: Comparison of the efficiency of nitrogen fixation in herbaceous and climbing bean varieties (*Phaseolus vulgaris L.*) and characterization of associated Rhizobium bacteria.
- Gitonga: To compare nitrogen fixation by Brady-rhizobium in Nyala and Gazelle varieties of soybean.
- Mugendi Njeru: Effects of phosphorus, potassium and sulphur nutrition on nitrogen fixation of promiscuous soybean in Meru South District, Kenya.

M.Sc. Supervision: Current

- Jacinta Karambu Muthuri: Effects of different soil fertility amendments on the proportion of fast and slow growing rhizobium modulating with soybean (2008 – 2009)

- Mutsami Anne Naliaka: Identification of effects of feed additives on antimicrobial resistance by analyzing resistance and genetic characterization of enteric flora in poultry (2007 – 2009).

(b) Ph.D.

Completed:

- Moses Peris Hungu Gathaara (1998) - The influence of drip irrigation on ecophysiology and yield of Arabica Coffee hybrid Ruiru 11.
- Francis W. Kariuki (2001) - Carbon budget and sustainable harvesting of *Cyperus papyrus* L. (*Papyrus*) in a papyrus swamp in Lake Naivasha Kenya.

On-going:

- Ngugi Mathew Piero: Improvement of the nutritional value of cassava: No cyanide liberating toxins (2007 – 2010)

PUBLICATIONS:

- (1) **Cheruiyot, R.C. 1981.** Biology of Weeds in Kenyan Rice fields. Proc. 8th East African Weed Science Conference pg.103-120.
- (2) **Cheruiyot, R.C. 1983.** The effects of some biotic agents on rice field weeds (Proc. 9th East African Weed science Conference pg.317-331).
- (3) **Cheruiyot, R.C. 1985.** Effects of selected weeds on IR 2071 rice variety. Kenya Journal of Science and Technology Series B (1985) 6(2): 107-112.
- (4) **Cheruiyot, R.C. 1985.** Weeds of Mwea Rice Irrigation Scheme, Kenya (IRRI - Newsletter pg.23).
- (5) Gathaara, M.P.H., Muthuri, F.M., **Cheruiyot, R.C. 1997** – Biomass accumulation in the various plant organs of *Coffea arabica* L. cultivar Ruiru 11 under drip irrigation in Kenya. 17th International Scientific Colloquim on Coffee. Association Scientifique Internationale du Café, pgs.752-759.
- (6) Gathaara, M.P.H., Muthuri, F.M., **Cheruiyot, R.C., 1999** – The influence of drip irrigation on the yield and quality of the *Coffea arabica* L. hybrid in Kenya —Kenya Coffee Vol.64, 2959-2965.
- (7) Gathaara, M.P.H., Muthuri, F.M., **Cheruiyot, R.C.** – The effects of environmental conditions on leaf physiology in drip irrigated arabica coffee hybrid Ruiru 11 in Kenya. (In preparation).

(8) Gathaara, M.P.H., Muthuri, F.M., **Cheruiyot, R.C.** — The effects of leaf age and position in the canopy on carbon dioxide assimilation in drip irrigated arabica coffee in Kenya. (In preparation).

ON-GOING FUNDED PROJECT

1. Acceptability and Production of Soybean and their Impact on farming communities of Lake Victoria Basin. Funded by Sida & Sadec. Under Vic-Res (Interuniversity Council for East Africa) 2005 – 2008. Located at Mbita – Point, (Nyanza), Makerere University (Uganda) and Ukiriguru (Mwanza, Tanzania).
2. Working with small scale farmers in semi arid areas on cropping systems and rain harvesting techniques to alleviate food security – Vice-Chancellor’s Research Grant (2008).

WORKSHOPS/COURSES/CONFERENCES:

1. Training course on techniques in bioproductivity and photosynthesis — sponsored by UNEP, UNDP, UNESCO, CEC, University of London and University of Nairobi (1980).
2. Weed Science Society of Eastern Africa Conference, Nairobi, Kenya – May 1981.
3. Soil and Water Conservation Workshop – Faculty of Agriculture, University of Nairobi 1982.
4. Weed Science Society of Eastern Africa Conference, Nairobi, Kenya 1983.
5. Weed Science Society of Eastern Africa Conference, Nairobi, Kenya 1985.
6. Weed Science Society of Eastern Africa Conference, Nairobi, Kenya 1987.
7. Weed Science Society of Eastern Africa Conference, Nairobi, Kenya 1991
8. Weed Science Society of Eastern Africa Conference, Nairobi, Kenya 1993.
9. International Scientific Colloquim on coffee. Nairobi, Kenya 2000.
10. Natural Products Research Network for Eastern and Central Africa (NAPRECA). Kenya Branch Symposium, Kenyatta University, Kenya, 26th Jan. 2001.
11. Development of HIV/AIDS curriculum. (Utalii Hotel) 30th October 2002.
12. Second Biological Postgraduate Scientific Conference. 8th – 10th August 2006 AVU. Kenyatta University.

MEMBERSHIP OF PROFESSIONAL SOCIETIES:

1. Weed Science Society of Eastern Africa.
2. Natural products Research Network for Eastern and Central Africa (NAPRECA)

RECOGNITION/QUALITY TEACHING AND SERVICE:

- (1) **Continuing Education Programme:** Teaching/Quality Control Supervision.
- (2) **IFAD Soyabean Research Project:** Research proposal development (Specialized area - Mineral Nutrition).
- (3) Development of New Teaching programmes in M.Sc. - Respiration; Proteins; Biochemical Interactions.

MANAGEMENT, LEADERSHIP POTENTIAL AND COMMUNITY SERVICE

- (i) Chairman of Botany Department Board of Undergraduate Studies and Botany Department Board of Postgraduate Studies.
- (ii) Patron, Kisabo Primary School.
- (iii) Chairman, Education Sub-Committee Chepseon Complex Sec.School.
- (iv) Chairman, Board of Governors, Kimasian Secondary School.
- (v) Chairman, Board of Governors, Kedowa Girls' Sec. School.
- (vi) Chairman, Board of Governors, Londiani Secondary School.
- (vii) Chairman, Kisabo Water Project and Kisabo Self-help Road Project.
- (viii) Chairman, Ngurumani Court Security Committee (under Community Policing Project and Buru Buru Welfare Association).
- (ix) Resource person: -
 - a) Kericho Secondary Schools Heads Association Education Symposium held at Kericho Teachers College 1995.
 - b) Kericho Secondary Schools Heads Association Annual General meeting held at Kipsigis Girls High 1997.
 - c) Chilchila Division Professionals (Kericho District) held at Chilchila Sec. School 11th October 1997. Topic: The Professional and Participatory Development.