



## **CURRICULUM VITAE**

NAME: Dr. Joyce Wamuyu Mwaniki  
Address: P.O. Box 61004-00200- City Square, Nairobi  
Tel: 0722-501177 (Kenyatta University)

### **RESEARCH**

#### **Post Graduate Research Supervision**

**I have supervised and examined the following Master of Science Projects.**

1. **Mr. Muchoki** (M.Sc) Project title' Macro-propagation in *Prunus Africana*. (2000).
2. **David Ong'are** M.Sc project title "Biological Nitrogen Fixation in Terary Beans" (2002).
3. **Mary Kiriba**, M.Sc project – In vitro and Macropropagation of East African Green (*Warburgia ugadensis*. Sprague) in Kenya" (2005).
4. **Mr. S. Mutua**. Postgraduate Diploma project. Investigation of the factors that influence the HIV/AIDS intervention measures used by the physically challenged youth in Kenya (2004).

### **ON GOING RESEARCH PROJECTS**

1. **Jane Ngatia:** Postgraduate Diploma Project. A study of knowledge skills and coping strategies for caregivers for HIV/AIDS in the family: situation analysis in Kangemi slum of Nairobi.
2. **Victor sumbi** MPh- Assessment of factors influencing adherence to anti-retroviral therapy at Nyeri Provincial General Hospital
3. **A.N. Kamau** MPh- Assessment of mother's infant feeding patterns and competence amongst children in their two years of life within Nakuru Municipality.
4. **C.O. Ndedda** MPh – impact of ETAT + on the case management of acute diarrhea at Rift vallt Provincial Hospital, Nakuru, Kenya.
5. **J.M. Kasungi** MPh –Factors associated with occurrence of aflatoxin poisoning outbreaks in Kibwezi Division of Makueni District.

#### **OTHER RESEARCHES/CONSULTANCIES DONE**

1. June 2005 – August 2005: Commissioned by NACC as the World Bank Consultant oversee the training of district Technical committees and Constituency AIDS control committees in central Kenya on running HIV/AIDS programmed.
2. Principal researcher in the evaluation of the teaching of Science in Primary schools, 1998. This project was to evaluate the success of the Kenyan Educational Systems in regard to teaching science in primary schools.
3. Senior researcher in post – evaluation of greater Nakuru water supply project: JIBC-PMAT- Nov. 2000. The project was involved in evaluating the social impact of provision of water in homes and women's lives financed by JIBC in Nakuru.

#### **WORKSHOPS AND CONFERENCES ATTENDED**

- 1981:** Weed Science Conference – Nairobi. I presented posters on the results of research done/carried out on the water weeds (*Salvinia molesta*) of Lake Naivasha, Kenya.

- 1986:** Workshop on Pigeon pea in Eastern Africa in Nairobi.
- 1991:** Workshop on salinity in Madrid, Spain.
- 1993:** Kenya Association of Women scientist and engineers at ICIPE. The purpose of their workshop was to evaluate the use of Biotechnology by women in their daily lives.
- 1999:** NCST/UNEP/GEF biosafety mechanisms framework on risk assessment and management – Nairobi. The workshop was concerned with reviewing the existing biosafety regulations in Kenya.
- July 2002:** Workshop on sharing an update on the gender budget initiative presented a paper on “The road to Economic empowerment: women’s stakes.
- March 2003:** Workshop on the gender issues in the Draft constitution of Kenya.
- 2003:** Management of programmes in WOB-KTTC Learning Resource Centre workshop on “Distance Education, Open learning and E-learning for Teacher Development. KIE Nairobi Nov. 18<sup>th</sup> – 21<sup>st</sup>.
- 2003:** ABSF – Science communication workshop at Safari Park Hotel for members of parliament May 4<sup>th</sup> – 6<sup>th</sup>.
- 2004:** ILO/SLAREA. Tripartite Workshop on internationalization of Labour relations in Learning Institutions – Hilton hotel. 13<sup>th</sup> July.
- 2006:** National policy on Open learning and Distance Education, Held on 6<sup>th</sup> June 2006 at Kenya Institute of Education (KIE).

## **ORGANIZATION OF CONFERENCES**

- 24<sup>TH</sup> March 2004: Organized “International Workshop on Environmental Health full Education” for Eastern Africa region; challenges and the way forward for the Dept. of Environmental Health, KU.
- 2004: Module winters workshop. Kenyatta University April 1<sup>st</sup> – 2<sup>nd</sup>.

## PUBLICATIONS

- 1984: The effect of some inhibitors on the oxidative properties of mitochondria from a Halophyte compared with Glycophytes (M.Sc. Thesis).
- 1992: Salt-tolerance of some grasses from the shores of Lake Magandi, Kenya (Ph.D. Thesis).
- 1998: Primary School Science in Kenya: An investigation of classroom teaching COM-Tech IDRC Research Team (Kenyatta University).
- 2000: Studies on the eco-physiology and nitrogen fixation of drought-adapted tepary bean (*Phaseolus acutifolus* A. Gray Var. *Latifoliuous*) with various rhizobia strains in a semi-arid environment of S.E. Kenya (with Shisanya C.A. Gitonga N.M. and Ong'are D.W.) in the proceedings of the ninth congress of the African Association for Biological Nitrogen Fixation” Held on 25-29 Sept 2000 ICRAF Nairobi.
- 2003: Mumah, S. Mwaniki J, Desai S.N., Tumuti S, Orango S.S.; Muoma, J.V.O. and Waswa J.K. Social Role and the environment as factors that make women more Vulnerable to HIV/AIDS infection. Paper presented at the international conference on the “impact of global issues on Women and children Thailand, Feb 16<sup>th</sup> – 21<sup>st</sup> 2003.
- 2003: Mumah, S. Mwaniki, J., Mutua, S. and Muoma J.V. Influencing factors of HIV/AIDS spread among the physically challenged adolescents in Kenya; social role? The environment presented at the International conference on the “impact of global issues on Women and children Thailand, Feb 16<sup>th</sup> – 21<sup>st</sup> 2003.
- 2003: Mumah, S. Mwaniki J.N., Gahagan J. Lelach, N. Muoma J, Kenyanto, T. and Odwasi, G.O. Application of biotechnology in fostering health and well-being: directions for Health and medical Research in developing countries. Paper presented at the conference of the Kenya Chapter of the association of third world studies (ATWS) on disparities in developing countries: Types challenges and the way forward. Kenyatta University; September 17<sup>th</sup> – 19<sup>th</sup> 2003.

## **UNIVERSITY DUTIES**

- Trained Mentor in the Kenyatta University mentoring programme where I am involved in advising students about careers and other social issues.
- I am a member of the departmental staff appraisal and Recruitment committee.
- Member of universities Ethics Review Committee
- Internal Auditor, ISO 9001:2000

## **SCHOOL COMMITTEES**

- Chairman school Exhibitions Committee
- Chairman, school committee on ISO – 17025: 2005 Standard for science laboratories.

## **DEPARTMENTAL COMMITTEES/RESPONSIBILITIES**

- Examination co-coordinator (1992- 1999)
- Member- Departmental Appraisal Committee
- Member- Departmental Board of Undergraduate committee
- Academic Advisor 1<sup>st</sup> year
- Chairman, quality review committee.
- Secretary to the Departmental board

## **OTHER RESPONSIBILITIES**

- Member, governing council of Keriri women's university
- External examiner for Biology in Kagumo College since 1996.
- Member of the Board of Governors in several schools at various time e.g Njiiri School, Chinga Girls, Malewa Secondary School.

## **OTHER ASSOCIATIONS.**

- Members of African Biotechnology stake holders forum (ABSF)
- Member of Association of African Women for Research and Development
- Member Kenya Association of Women Scientists and Engineers
- Assistance programme (E-MAP). This is a non governmental organization that is involved in transfer of technology to women in the rural areas.