

PROF AGNES WAKESHO MWANG'OMBE, EBS

PhD and DIC, Plant Pathology(Imperial College of Science,
Technology and Medicine of Univ. of London), MSc., Plant
Pathology& BSc Agriculture(Univ. of Nairobi)

Official Address:

Prof. A. W. Mwang'ombe, EBS
Principal,
College of Agriculture and Veterinary Sciences,
And Professor of Plant Pathology,
University of Nairobi,
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Languages: Excellent abilities in English and Kiswahili (widely used in East Africa upto the village level). Very conversant with mother tongue language (Kitaita).

Personal data:

1. FAMILY NAME: **MWANG'OMBE**
2. FIRST NAMES: **AGNES WAKESHO**
3. DATE AND PLACE OF BIRTH: **11th April 1953, KENYA**
4. NATIONALITY: **KENYAN**
5. CIVIL STATUS: **MARRIED with one daughter**

6. A) EDUCATION:

Institution	Imperial College of Science , Technology and Medicine, London University
Date	1987
Degree/diploma obtained	PhD in Plant Pathology, DIC in Plant Pathology

Institution:	University of Nairobi
Date	1982; 1977
Degree/diploma obtained	MSc Plant Pathology; BSc Agriculture
	KCPE

AWARDS	<p>12th December 2008: Awarded EBS By His Excellency The President of Kenya in recognition of Academic Work in the Country.</p> <p>1st October 2009: Awarded the Best Woman Researcher for Outstanding Contribution to Crop Production In Africa during The 9th African Crop Science Society Conference (ACSS) which was held in Cape Town, South Africa from 28th September to 1st October 2009.</p>
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6(b) Current Key posts held: Work Experience:

- i) Current position: Principal, College of Agriculture and Veterinary, Sciences, University of Nairobi from 14th September 2005.**
- ii) Consortium Board of CGIAR Member: Since February 2011.**
- iii) Chairperson, Kenya Institute for Public Policy, Research and Analysis (KIPPRA) from April 2007 to current.**

7. LANGUAGE SKILLS:

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
English	Excellent	Excellent	Excellent
Kiswahili	Very good	Good	Good
Kitaita (Mother tongue)	Excellent	Excellent	Excellent

8. MEMBERSHIP OF PROFESSIONAL BODIES: African Crop Science Society(in addition served as President of the Society-2003-05, Vice President-2001-03); Kenya Professional Association of Women in Agriculture and Environment(in addition served as Chairperson of the Society-1996-2002).

9. Other skills: Computer skills (MS word, excel, PowerPoint; Research grants: applied , negotiated and attracted funds for agricultural research and capacity building programs from various donors

10. Knowledge, Experience and Abilities:

Relevant Work Experience:

- a) Current position: Principal, College of Agriculture and Veterinary, Sciences, University of Nairobi from 14th September 2005.**
Ag. Principal from 19th May 2005.

- b) **Dean, Faculty of Agriculture (from 13/3/2003) and Associate Professor of Plant Pathology, Faculty of Agriculture ,University of Nairobi:**
- c) **17 March 1988:** Date of joining University of Nairobi.
- d) **January 2008: Full Professor of Plant Pathology,** Department of Plant Science and Crop Protection
- e) **May 1997 :Associate Professor in Plant Pathology,** Department of Crop Protection, Faculty of Agriculture.
- f) **April 1991 :Senior Lecturer in Plant Pathology** in the Department of Crop Science.
- g) **17th March 1988:Lecturer in Plant Pathology** in the Department of Crop Science.
- h) **Year of Appointment at other Institutions before joining University of Nairobi:**
 - August 1980 - Sept. 1984** - Senior Research Officer in Plant Pathology
Coffee Research Foundation, Ruiru.
 - 1977 - July 1980** - Research Officer in Plant Pathology
at National Plant Breeding Station, Njoro.

Institutional/organizational development: As one of the Principals in University of Nairobi, I have been involved in strategic planning, reorganization and implementation of programs in the College of Agriculture and Veterinary Sciences. Has been involved in strategic planning, reorganization and implementation of programs of RUFORUM;

Multi-stakeholder processes/dialogue: This has been utilized extensively during strategic planning in 2003 and 2005 and 2008 for RUFORUM and University of Nairobi respectively and as an advisory committee member in CTA, Netherlands since 2003. An active member of KAPP (Kenya Agricultural Productivity Program) during its formative stage (2003 upto 2005) hosted in KARI. This is in addition to the several research partnerships/collaborations with various Institutions including development partners.

Capacity development: As a Lecturer at the College of Agriculture and Veterinary Sciences, has been involved in Capacity building programs since 1988, as Dean, Faculty of Agriculture(2003-2005) revised existing and initiated new training programs in the faculty, **engaged as a consultant for RAIN-ASARECA(2006)** in assessing the need for, formulating a and institutional capacities for mounting a postgraduate program(MSc and PGD) in Agricultural Information and Communication Management for East and Central Africa.

March 2006: Development of Postgraduate Programme for Enhancement of Skills in Agricultural Information and Communication in the ASARECA Region. The terms of reference included: (i) development of criteria for selecting participating institutions and selection of universities and regional partners to participate in the study; (ii) Analysis of the content of MSc programs in agricultural sciences of various universities and identify the prevalent ICT/ICM skills gaps necessary for course module development; (iii) The assessment of the curricular needs for a specialized MSc program in agricultural information and communication management and the demand for graduates of such a program; (iv) Assessment of the curricular needs of a postgraduate diploma level of training in AICM and its potential benefit to industry; (v) To design generic course curricula for MSc and postgraduate diploma course programs and for the bridging course module for enhancing ICT/ICM capacity among graduates; (vi) The development of criteria necessary for selecting a university to mount the course programs; (vi) To develop and recommend criteria for selecting student beneficiaries for the training program; (vii) To evaluate other forms of intervention for their suitability for inclusion as components of the proposed training program, and (viii) To recommend feasible strategies for implementing the training program in an equitable and sustainable manner in the region.;

Research and Research to policy linkages: Field of expertise: Agriculture but subspecialised in plant pathology with emphasis on plant resistance to diseases, pathogen specialization, seed borne pathogens and diseases. In addition, actively involved in action research and Agricultural development projects. Incorporates Participatory Rural Approach in field research and agricultural technology transfer targeting rural women farmers through their women groups for needs assessment, project planning and implementation. Expert in project identification, writing project proposals ,Scientific papers and reports, implementation and monitoring of projects. As a trainer , has trained several MSc students and PhD Students in the last 24 years. All my work is gendered. Has good international relations which has helped in attracting research funds, initiate collaborative projects and higher education links. As a researcher and one of the policy makers in the University of Nairobi, has been actively engaged in Agricultural activities, policy formulation and implementation. At CTA, has been involved in policy briefs formulation in the area of Agriculture, Environment and tertiary education; **Training through Open and distance learning (ODL): Initiated and operationalised a collaborative pilot ODL program among University of Nairobi, University of Florida, CIAT and Makerere University. This program has pilot students.**

Girl Child education in Kenya:

During my spare time, I devote my time to helping young girls from disadvantaged backgrounds access education:

Through Kenya Professional Association in Agriculture and Environment (KEPAWAE) and as a Chairperson(1995 to 2002), I had attracted International Funds for the benefit of brilliant girls from resource poor families who are financially supported right through their High School education.

CGIAR GENDER DIVERSITY PROGRAM BASED IN ICRAF:

Serves as committee member for the East African countries as well as a mentor for young women in Agricultural Sciences. The program was funded by The Rockefeller Foundation. (2005 upto 2008).

From March 2008 to current: AWARD Steering Committee member and Vice-Chair. AWARD is Funded by Bill and Melinda Gates Foundation.

11. SUMMARY OF CONSULTANCY SERVICES UNDERTAKEN:

Date:	2006(February to November but on average one week per month)
Location:	ASARECA Countries but localised at Entebbe
Company / Financed by:	RAIN –ASARECA; EU
Position:	Consultant

Description	<p>Development of Postgraduate Programme for Enhancement of Skills in Agricultural Information and Communication in the ASARECA Region.</p> <p>The terms of reference included: (i) development of criteria for selecting participating institutions and selection of universities and regional partners to participate in the study; (ii) Analysis of the content of MSc programs in agricultural sciences of various universities and identify the prevalent ICT/ICM skills gaps necessary for course module development; (iii) The assessment of the curricular needs for a specialized MSc program in agricultural information and communication management and the demand for graduates of such a program; (iv) Assessment of the curricular needs of a postgraduate diploma level of training in AICM and its potential benefit to industry; (v) To design generic course curricula for MSc and postgraduate diploma course programs and for the bridging course module for enhancing ICT/ICM capacity among graduates; (vi) The development of criteria necessary for selecting a university to mount the course programs; (vi) To develop and recommend criteria for selecting student beneficiaries for the training program; (vii) To evaluate other forms of intervention for their suitability for inclusion as components of the proposed training program, and (viii) To recommend feasible strategies for implementing the training program in an equitable and sustainable manner in the region.</p>
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Date:	October- November 2006
Location:	Nairobi & Naivasha, Kenya
Company / Financed by:	IDRC
Position:	Consultant

Description:	<p>To refine selection criteria and assess and select concept notes on climate change adaptation in Africa: a program on research and capacity building.</p> <p>The purpose of the CCAA programme is to <i>significantly improve the capacity of African countries to adapt to climate change in ways that benefit the most vulnerable</i>. This overall purpose is broken down into four objectives:</p> <ol style="list-style-type: none"> 1. To strengthen the capacity of African scientists, organizations, decision makers and others to contribute to adaptation to climate change. 2. To support adaptation by rural and urban people, particularly the most vulnerable, through action research. 3. To generate a better shared understanding of the findings of scientists and research institutes on climate variability and change. 4. To inform policy processes with good quality science-based knowledge. <p>Continues to review concept notes and proposals on Climate and Change under the CCAA programme for IDRC.</p>
Date:	31st March to 17th April 2003 and July 2003:
Location:	Seychelles
Company / Financed by:	FAO
Position:	Consultant
Description:	FAO Mission in Seychelles on Diagnostics of Plant diseases and writing of a field/ farmers plant diseases (occurring in Seychelles) manual.

Date:	25th November- 6th December 2002:
Location:	Nairobi
Company / Financed by:	FAO
Position:	Technical Support person
Description:	International Standards for Phytosanitary Measures and Phytosanitary Systems Evaluation Training Workshop organized by FAO at CABI International Africa Regional Centre, Nairobi, Kenya.

Date:	May 2002
Location:	Nairobi
Company / Financed by:	FAO
Position:	Served as a Trainer at a FAO Workshop:
Description:	FAO Workshop: Senior Plant Quarantine Officers Training In Contemporary Phytosanitary Measures and Procedures, at Agricultural Information Centre, Kabete, Nairobi..

Date:	29th October –2nd November 2001.
Location:	At Agricultural Information Centre, Kabete, Nairobi
Company / Financed by:	FAO
Position:	Trainer
Description:	FAO Workshop: Senior Plant Quarantine Officers Training In Contemporary Phytosanitary Measures and Procedures, at Agricultural Information Centre, Kabete, Nairobi

Date:	2000:
Location:	Coast, Kenya
Company / Financed by:	Pathfinder
Position:	Consultant
Description:	To evaluate the impact of HIV/AIDS and resources available for home care of AIDS patients in Kisauni and Likoni in Mombasa District, Kenya.

Date:	1999
Location:	Maasai Mara, Kenya
Company / Financed by:	CDC
Position:	Consultant
Description:	Served as a consultant to map resources and plan for their utilization in the context of man, wildlife and introduction of crop farming in Maasai Mara, Kenya.

12. Funds Mobilization:

a) Fund raising efforts through University:

Successfully negotiated with and received funds from donors through the University of Nairobi for the following projects:

Sources:

- i) Dean's Committee, University of Nairobi. Title of research project: The mechanism of infection to coffee, *Coffea arabica*, by *Colletotrichum coffeanum* Noack.

Date of start: January 1990

Value: Ksh. 103,897.

- ii) Commonwealth Sciences

Value: \$1800

Date: 1989

Project Title: Pilot studies on the relationship between disease, insects and weeds in intercropping systems.

- iii) Rockefeller Foundation

Value: US\$ 60,000

Date: 1991

Project Title: Bean Pathology Project

- iv) BADC (Belgium)

Value : Ksh. 30 million

Date: 1996-2001
Project Title: ASAL PIGEONPEA

- v) EU
Value: Euros 543,500
Date: 1997-2001
Project Title: ASAL PIGEONPEA
- vi) Rockefeller Foundation,
Date :1998-2001
Project title: Beans/maize intercrop
Value: US\$ 60,000
- vii) Rockefeller Foundation
Date: June 2001-May 2003.
Value:US\$74,227.
Project Title: Determination of prevalence and incidence of bean root rot disease complexes and their causal agents in Farmers' fields in Eastern and Coast provinces of Kenya.
- viii) Rockefeller Foundation:
Date: December 1, 2002- November 30,2003
Value: US\$20,700
Project title: Curriculum and staff development in the faculty of Agriculture, University of Nairobi, Kenya: review, evaluation, and way forward .
- ix) Rockefeller Foundation
Gray leaf spot disease of maize in Kenya: US\$:74,100.
Start: 2004
End : 2007
- X) USAID : A collaborative program on Strengthening Environmental and Agricultural Capacities through Distance Education (SEAC-DE) -A Collaborative Program of University of Florida and CIAT in Partnership with University of Nairobi and Makerere University. It is a funded Pilot Project for Africa US\$**12,000**.
Start: 2005
End: 2009
- xi) RAIN-ASARECA: Proposal and Scientific writing workshops for academic staff members of the College of Agriculture and Veterinary Sciences, University of Nairobi in November 2006: : **Euros22,422..**
- xii) March 2007 upto 18 Months later : Agricultural Innovation Dryland Africa (AIDA)- EU (INCO) Project : **Euros 274,000. Project Partners : CIRAD-Coordinator, University Of Nairobi, AGHYMET Regional Center, RUFORUM, Bunda College, University of Malawi, Plant Research International WUR, Wageningen University & Research, FARA and CTA Netherlands.**
- xiii) March 2007 upto 2 years later : ACCCA Pilot Action Livelihoods under climate variability and change: An analysis of the adaptive capacity of rural poor to access water scarcity in Kenya's drylands.

Funds: US\$70,000. Supporter: United Nations Institute for Training and Research (UNITAR), Geneva

- xiv) **Title:** IMPROVED FOOD AND NUTRITION SECURITY AND ECONOMIC EMPOWERMENT OF WOMEN FARMERS AND HIV/AIDS AFFECTED FAMILIES, THROUGH PROMOTION OF PRODUCTION AND MARKETING OF MILK AND VEGETABLES IN KENYAN COAST. It's a collaborative project between Centre for Sustainable Livelihoods, University College Cork/College of Agriculture and Veterinary Science, University of Nairobi
Donor: IrishAid
Amount: Euros187,000 for two years
Start: 2007
End: 2010

- xv) **Title:** African Phytosanitary Centre of Excellence (COPE). Partners : University of Nairobi (UoN), International Plant Protection Convention (IPPC) hosted by FAO, CAB International (CABI), Kenya Plant Health Inspectorate Service (KEPHIS), Inter African Phytosanitary Council (IAPSC) and NPPO, Netherlands.
Amount to UoN: US\$60,000.
Start: March 2008
End: 2011

- xvi) **SEED ENTERPRISE MANAGEMENT INSTITUTE (SEMIs):**
Amount US\$4.7 Million
Start: 1st February 2010
Period: Three years

- xvii) **RESEARCH TITLE:**
IMPROVED FOOD AND NUTRITION SECURITY AND LIVESTOCK FEED FOR ECONOMIC EMPOWERMENT OF WOMEN FARMERS THROUGH PROMOTION OF DISEASE FREE CASSAVA PLANTING MATERIALS IN AN INTEGRATED CASSAVA AND LEGUME INTERCROP IN KENYAN COAST
Amount: Kshs7,000,000.
Start: July 2011
Period: Three years

- xviii) **SEMIs Phase II:**
Amount: US\$1.82 Million
Start: June 2014
Period: Two years

- b) **African Crop Science Society:**

(i) Source of Funds: The Rockefeller Foundation:

Date: October 1, 2002- December 31,2003.

Value: US\$37,026.

Project title: Support of the organizational and management structures of

The African Crop Science Society conference(6th ACSS) held in Kenya: 12-17th October 2003.

ii) Source of Funds: Rockefeller Foundation, Ford Foundation, TWAS and locally: For actual conference (6th ACSS Conference) events and sponsorship: US\$300,000.

iii) 7th ACSS Conference, Entebbe Uganda: Mainly Women Scientists and a few male Scientists: Ford Foundation, Sygenta. Total value: US\$15,000.

iv) 8th ACSS Conference, El Mania, Egypt : so far attracted US\$5000.

c) **KEPAWAE:**

(i) funds I have personally negotiated for:

- Setting of KEPAWAE Secretariat and short training for members:US\$50,000
- Girl Child Programme funds:Us\$30,000-1997
Us\$30,000-1998
Us\$28,500-1998

-Others: Gender network: Us\$ 5,000

Directory: Us\$ 6,000

Ford Foundation: US\$63,000.(December 1999 to December 2001)

Ford Foundation:US\$78,200(September 2001- August 2003)

EDDI under USA Embassy: US\$100,000.(Kepawae girlchild program-April 2000).

EDDI under USA Embassy: US\$100,000.(Kepawae girlchild program July 2001).

K. Hofwyck: US\$53,000(Kepawae girlchild fees and mentoring).

Anonymous USA Donor : US\$150,000.

13. POSTGRADUATE SUPERVISION:

a) **Supervision of MSc.**

Research students :

1. J. Kimenju - 1989/90 - Identification of resistance in tomato cultivars to *Clavibacter michiganense* subsp. *michiganense* using isoenzyme patterns, bacterial cell count and stem discolouration.
2. E. Njoya, 1989/90 - Etiology and effect of plant age and leaf position on the susceptibility of pigeonpea (*Cajanus cajan*) to the leafspot pathogen *Mycovellosiella cajani*.
3. S.O. Otieno, 1989/90 - Assessment of the level of bean (*Phaseolus vulgaris*) seed infection by *Pseudomonas syringae* pv. *phaseolicola* and its implications on disease incidence and severity.
4. J. O. Ondura, 1989/90 - The influence of organic mulches on maize (*Zea mays*), weeds and diseases.
5. E. K. Gichuru - 1991/92 Isozyme patterns and enzyme activities of *Coffea arabica* cultivars susceptible and resistant to coffee berry disease.
6. G. O. Isanda - 1991/92 - Assessment of bean seed (Cv Rose coco - GLP-2) for infection/contamination by anthracnose pathogen, *Colletotrichum lindemuthianum* (Sacc and Magn) Bri & Cav.
7. T. W. Karanja - 1991/92 - Bean (Cv Rose coco -GLP-2) seed assessment for infection/contamination by ALS pathogen, *Phaeoisariopsis griseola*.

8. P. N. Ngaruiya - 1991/92 - Antibiotic activity of some plant extracts on *Pseudomonas syringae* pv. *phaseolicola* (Burk 1926) Young, Dye and Wilkie 1978 and *Xanthomonas campestris* pv *phaseoli* (Smith) Dowson.
9. Njambere, E.N. 1993/94: Cultural and morphological characterization of *Mycovellosiella phaseoli* Deighton and assessment of bean lines for resistance to floury leafspot.
10. Wagara, I. N. 1993/94. Resistance of *Phaseolus vulgaris* L. to angular leafspot and pathogenic variation in *Phaeoisariopsis griseola* (Sacc.) Ferr.
11. M. W. Wakahiu - 2000. Assessment of level of bean (*Phaseolus vulgaris* L.cv. Rosecoco GLP-2) seed infection and contamination by *Macrophomina phaseolina* and its implication on disease incidence and severity.
12. J. N. Kigamwa - 2002. Assessment of seedborne inoculum of *Pyricularia grisea* (Cooke) Sacc. in finger millet, *Eleusine corocana* and its implication on disease incidence and severity.
13. Ateka, E. M.1999: Studies on the interaction between root-knot nematodes(*Meloidogyne spp.*) and the bacterial wilt pathogen, *Ralstonia solanacearum*, in potatoes. Pp96 MSc.UoN.
14. Gatheca, F.M.-2000: Screening for resistance to *Mycovellosiella* leafspot and sporulation of *Mycovellosiella cajani* in pigeonpea lines.
15. Wachenje, C. W.-2002: Bean production constraints, bean seed quality and effect of intercropping on floury leaf spot disease and yields in Taita Taveta district, Kenya..
16. Mwaniki, A. W.-2002: Assessment of bean production constraints and seed quality and health of improved common bean seed.
17. Githinji Thiong'o-2004: Bean root rots in Embu district: Graduated in 2005
18. Kipsumbai, P.-2004: Bean root rots in Taita Hills: Graduated in 2004
- 19: Mwalugho Mcharo: started in 2004/2005: Grey leafspot of Maize: pathogen variability and host resistance. Graduated in 2009.
- 20: Margaret Katumbi: started in 2004/2005: Grey leafspot of Maize: pathogen variability using molecular techniques.
21. Julia Mnyambo: started in 2007/2008: Crop Protection aspects for Indigenous Vegetables. Graduated in 2009
22. Charles Orek: Started 2006: Drought resistance in sorghum : Graduated in 2009

b) PhD students Supervision :

1. D. M. Masaba - 1989/92. Biological control of *Colletotrichum Coffeanum* (PhD - registered at University of Reading).
2. Kinyua, M. G. 1992/95 - Transfer of genes for resistance to yellow rust (*Puccinia striiformis*) from wild emmer (*Triticum dicoccoides* Korn) into Kenyan wheat commercial varieties.
3. Songa, W. 1992/95 - Biology of *Macrophomina phaseolina* (Tassi) Gold. in relation to dry bean (*Phaseolus vulgaris* L.) and selection for ashy stem blight cultivars for the semi-arid areas of Kenya (Ph.D - registered at University of Reading, England).
4. Omondi, C. O. 1994/1998. Variation in Pathogenicity of and resistance of arabica coffee to strains of *Colletotrichum kahawae* (Synon. *C. coffeanum*).
5. Kimenju, J. W. 1994/98 - Identification and biological control of lesion nematodes (*Pratylenchus* spp.) affecting maize production in Kenya.
6. Kiprop, K. Ezekiel(start in 1997-2001). Screening for resistance to Fusarium wilt in pigeonpea and variability of *Fuarium udum* .PhD.
7. Wagara, I. N.(start 2000-2004). PhD.: Molecular and Virulence characterization of *Phaeoisariopsis griseola* and reaction of bean cultivars to races of the angular leaf spot pathogen. (2005).

14. Membership of Professional Bodies: :

1. **British Society for Plant Pathology since 1982-1996.**
2. Kenya Society for Plant Pathology - since 1989 but now dormant.
3. African Crop Science Society-Since 1993.
4. Founder Member of Kenya Professional of Women in Agriculture and Environment Association(KEPAWAE):1995 and ASALFO in 2000.

15. Extra curriculum:

1. **First chairperson, Kenya Professional of Women in Agriculture and Environment Association(KEPAWAE):1995-2001.**
2. **Board Member :**
 - a) **Director at Kenya Commercial Bank.** (Since1998-June 2001)
Largest Commercial Bank with a country wide net-work.
 - b) **Kenya High School**(Since 2000 to 2004)- A National Secondary school admitting girls from allover Kenya.
 - c) **Coast Institute of Technology:** From 2000 to 2003.

- d) **Board member of African Crop Science Society** since 1997. Initially elected to represent women Scientists on the Board but in 2001 elected as a Vice President of African Crop Science Society.
- e) **President of African Crop Science Society:** Elected October 2003 upto 2005.
- f) **Advisory Board Member: CTA, Ede, Netherlands:** From February 2003 to 2005.
- g) **Scientific Advisory Committee Member: CTA, Ede, Netherlands:** Since February 2005 to current.
- h) **Technical Advisory Committee Member: BASIC based at ICRAF under ANAFE:** From 2003 upto 2006.
- i) **Technical Advisory Committee Member: RUFORUM based in Kampala, Uganda:** From 2003 upto 2007.
- j) **Advisory Panel Committee Member, Farm Africa:** From March 2003 to current.
- k) **CGIAR Gender Diversity Program based in ICRAF:** Advisory Committee Member and Mentor of young women in Agricultural Sciences through a Fellowship Program to Strengthen the Careers of African Women Scientists in Agricultural and Environmental Sciences :
 - 2005-2007: Funded by The Rockefeller Foundation,
 - 2008 to 2011: AWARD Member and Vice-Chair: Funded The Bill and Melinda Gates Foundation
- l) **Chairperson, Kenya Institute for Public Policy, Research and Analysis (KIPPRA) from April 2007 to current.**
- m) **Program Advisory Committee (PAC) Member of Consultative Group on International Agricultural Research (CGIAR)'s Global Open Food and Agricultural University (AGROCURI formerly GO-FAU) from January 2007 to current.**
- n) Sustainable Development (A challenge for European Research) Conference Scientific Committee members . Refer to the official website in the EU structure: http://ec.europa.eu/research/sd/conference_en.html - hosted from 26-28th May 2009, Brussels.
- o) Board Member of Vision 2030 Delivery Board since April 2009.
- p) Board Member of ATPS since February 2010.
- q) Consortium Board of CGIAR Member-February 2011
- r) Board Member of FEP

AWARDS:

- a) **12th December 2008: Awarded EBS By His Excellency The President of Kenya in recognition of Academic Work in the Country.**
- b) **Was awarded the Best Woman Researcher for Outstanding Contribution to Crop Production In Africa during The 9th African Crop Science Society Conference (ACSS) which was held in Cape Town, South Africa from 28th September to 1st October 2009.**

Hobbies: Gardening, Aerobics.

16. LIST OF PUBLICATIONS:

a) **Before promotion to Associate Professor:**

1. M.Sc. Thesis (1983) - Tolerance in *Colletotrichum coffeanum* Noack to benomyl and other related systemic fungicides. pp. 149, University of Nairobi, Kenya.
2. Ph.D. thesis (1987) - Specificity in pea blight disease caused by *Pseudomonas syringae* pv *pisi*, pp.159. Imperial College of Science, Technology and Medicine, University of London, England.
3. Comparative efficacy of nine fungicides for control of coffee leaf rust in 1981/82 period in Kenya. Kenya Coffee (1983) 48(567): 169-174.
4. Field evaluation of fungicides for the control of coffee berry disease 1981/82 period in Kenya. Kenya coffee (1984) 49 (575): 75-86.
5. Control of coffee rust in Kenya by copper based fungicides. Kenya Coffee (1985) 50 (584): 307-316.
6. The persistence of benomyl tolerance in *Colletotrichum coffeanum* in Kenya. Kenya Journal of Sciences series B (1988) 9: 55-65.
7. Laboratory evaluation of new fungicides against coffee berry disease. Proceedings of the 1st Workshop "Coffee Berry Disease" Addis Ababa, 19-23 July, 1982 pp. 221-229.
8. Field performance of new copper formulations against coffee berry disease in Kenya Coffee Kenya 51 (593) : 47-53.
9. Field evaluation of fungicides for the control of coffee berry disease in Kenya, Kenya Coffee 51 (598): 201-211.
10. Possible survival mechanisms and control of coffee berry disease fungus strains resistant to Benzimidazole fungicides - at a symposium on integrated pest management in tropical and subtropical cropping systems - Bad Durkheim, West Germany, organized by DLG, February 8th - 15th 1989 Vol. 111. 799-804.
11. Effects of temperature on appressorium formation and pathogenicity of *Colletotrichum coffeanum*. Journal of Plant Protection in the tropics 8(3) : 181-188 (1991).

12. Tolerance in isolates of *Colletotrichum coffeanum* Noack to Prochloraz-manganese in Kenya. *Pesticide Science* (1992) 34: 371-373 (Extended Abstract).
13. Some mechanisms implicated in the survival of benomyl tolerant strains of *Colletotrichum coffeanum* Noack, Casual agent of Coffee berry disease. *Discovery and Innovation* (1992) 4 (no. 2): 109-115.
14. Reaction of pigeonpea genotypes to a leaf spot disease caused by *Mycovellosiella cajani*. Proceedings of the First Legumes (pigeonpea) Workshop (1990) eds L. Singh, R.P. Ariyanayagam, S.N. Silim, M.V. Reddy pp 155-164.
15. The effect of media and light regimes on cultural and morphological characteristics and sporulation of *Phaeoisariopsis griseola*. *East Africa Agricultural and Forestry journal* (1994) 59 (3): 241-251.
16. Performance of advanced generation bean lines selected for multiple disease resistance 1993 in J.B. Smithson (ed). Proceedings of the fourth Bean Research Workshop, March 3-7 1993 CIAT, African Workshop Series.
17. Tolerance in isolates of *Colletotrichum coffeanum* to prochloraz-Mn in Kenya. *Journal of Phytopathology* (1994) 140: 114-122.
18. Isolation of race and cultivar - specific elicitors from intercellular fluids of compatible interactions of *Pseudomonas syringae* pv. *pisi* and pea. *Journal of Phytopathology* 143: 303 -305 (1995)
19. Assessment of infection and/or contamination of cv. Rosecoco GLP-2 bean seed by *Pseudomonas syringae* pv. *phaseolicola* in Kenya. *East African Agricultural and Forestry Journal* 60 (3) 149-155 (1995).
20. Pre-penetration events and sporulation of *Colletotrichum kahawae* Waller and Bridge (Syn. *Colletotrichum coffeanum* Noack) on different cultivars of *Coffea arabica*. *East African Agricultural and Forestry Journal* 59 (4) : 327-336 (1994)
21. Some characteristics of pea necrosis elicitor from compatible interactions of *Pseudomonas syringae* p.v. *pisi* and *Pisum sativum*, *African Crop Science Journal* , 4 (No. 1,) : 89-95, (1996).
22. Level of seed-borne *Colletotrichum lindemuthianum* on common bean cv. Rosecoco - GLP2 from small scale farmers in Kenya, *African Crop Science Conference Proceedings*, Kampala 14-18 June 1993. PP 260-262.
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b) Publications After Promotion to Associate Professor and Full Professor:

28. (a) E. N. Njambere, **A. W. Mwang'ombe**, P. M. Kimani and G. M. Siboe: Screening for resistance to floury leaf spot of beans. ***African Crop Science Proceedings vol. 3: 1091-1097, 1997 (ISSN1023-070X).***
- (b) J. W. Kimenju, S. W. Waudu, **A. W. Mwang'ombe**, R. A. Sikora and R.P.Schuster:
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45. **A. W. Mwang'ombe**, Kigamwa, J.N. and Mibey, R.K.: State of farmers' finger millet seed health with special reference to *Pyricularia grisea* in Kenya in “ **Integrated Pest Management Conference Proceedings**”:pp 195-199, 2002.
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49. I. N.Wagara, **A. W. Mwang'ombe**, J.W. Kimenju & R.A. Buruchara: Virulence, variability and physiological races of the angular leaf spot pathogen *Phaeoisariopsis griseola* in Kenya. **African Plant Protection 11:23-31 (2006)**
50. **A. W. Mwang'ombe**, G. Thiong'o, F. M. Olubayo and E. K. Kiprop: DNA Microsatellite analysis of Kenyan isolates of *Rhizoctonia solani* from common bean (*Phaseolus vulgaris* L.). **Plant Pathology Journal 6(1): 66-71 (2007)**
51. **A. W. Mwang'ombe**, G. Thiong'o, F. M. Olubayo and E. K. Kiprop: Occurrence of root rot disease of common bean (*Phaseolus vulgaris* L.) in association with bean stem maggot (*Ophiomyia* sp.) in Embu district, Kenya. **Plant Pathology Journal 6(2): 141-146 (2007).**
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54. Editors: M.P. Nampala, J.S. Tenywa, **A.W. Mwangombe**, M.Osiru, R. Kawuki & M. Biruma. The proceedings of the **Sixth African Crop Science Conference held 12-17 October 2003, Nairobi, Kenya**. The theme of the Conference was *Harnessing crop technologies to alleviate hunger and poverty in Africa*. The papers published herein were included on merit subsequent to a rigorous peer review process. *Click on the links below to access the different sections of the proceedings* Here it is: http://www.acss.ws/?t=a_conf&s=4

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- g. Socio economics
- h. Soil Fertility Management
- i. Sustainable Agriculture
- j. Weeds
- k. Index by Author

Since being Appointed as Full Professor:

55. **D. M. Nyariki, A. W. Mwang'ombe and D. M. Thompson**
Land-Use Change and Livestock Production Challenges in an Integrated System: The Masai-Mara Ecosystem, Kenya
J Hum Ecol, 26(3): 163-173 (2009).
56. **P.M Mwanyumba, A. Mwang'ombe, E. Lenihan, F. Olubayo, M. S. Badamana, R.G. Wahome and J. W. Wakhungu.**
Participatory analysis of the farming system and resources in Wundanyi location, Taita district, Kenya: A livestock perspective.
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57. **P.M Mwanyumba, R.G. Wahome, A. Mwang'ombe, E. Lenihan and M. S. Badamana.**
A dynamic study of Small Holder mixed farms in Wundanyi, Taita district, Kenya: Activities, performance and interactions.
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58. **The challenges of rehabilitating denuded patches of a semi-arid environment in Kenya.**

Kevin Z. Mganga^{1*}, Moses M. Nyangito¹, Nashon K. R. Musimba¹, Dickson M. Nyariki¹, Agnes W. Mwangombe², Wellington N. Ekaya³, William M. Muiru², Daniele Clavel⁴, Judith Francis⁵, Ralph von Kaufmann⁶ and Jan Verhagen⁷
African Journal of Environmental Science and Technology Vol. 4(7), pp. 430-436,
July 2010
Available online at <http://www.academicjournals.org/AJEST>
ISSN 1991-637X ©2010 Academic Journals

**59:
Livelihoods under Climate Variability and Change: An Analysis of
the Adaptive Capacity of Rural Poor to Water Scarcity in Kenya's
Drylands**

¹A.W. Mwang'ombe, ²W.N. Ekaya, ¹W.M. Muiru, ¹V.O. Wasonga, ³W.M. Mnene,
¹P.N. Mongare and ¹S.W. Chege

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Journal of Environmental Science and Technology, 2011

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60.I. N.Wagara, A. W. Mwang'ombe, J.W. Kimenju & R.A. Buruchara. **Variation in aggressiveness of *Phaeoisariopsis griseola* and angular leafspot development in common bean.**

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61. I. N.Wagara, A. W. Mwang'ombe, J.W. Kimenju & R.A. Buruchara. Variation of the selected common bean genotypes to physiological races of *Phaeoisariopsis griseola* occurring in Kenya.

African Crop Science Journal Vol19, No4, pp343-355

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63. K. Z. Mganga, N. K.R. Musimba, M. M. Nyangito, D. M. Nyariki and **A. W. Mwang'ombe**. Improving Hydrological responses of degraded soils in Semi-Arid Kenya.

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The Journal of the British Grassland society/The Official Journal of the European Grassland Federation (cr)2013: pp 1-7

17. LANGUAGE PROFICIENCY:

- (i) Writing, reading and speaking Kitaita (mother tongue)- Excellent
- (ii) Writing, reading and speaking English - Excellent
- (iii) Writing, reading and speaking Kiswahili - Good.

18. Referees:

1. Mr. Carlos Pérez del Castillo, Chairman of the CGIAR Consortium Board (CB)
2. Prof. Ratemo Michieka, Chairman, Kenyatta University Council and Professor of Weed Science, Department of Plant Science and Plant Protection, University of Nairobi.
3. Prof. Ekwamu Adipala, Executive Secretary, RUFORUM (Regional Universities FORUM),
4. Judith Ann Francis. CTA, Wageningen, The Netherlands