

# CURRICULUM VITAE

## PERSONAL DETAILS

**NAME:** Humphrey Wanjala Nyongesa  
**DATE OF BIRTH:** 25<sup>th</sup> March 1964  
**MARITAL STATUS:** Married  
**NATIONALITY:** Kenyan  
**PROFESSION:** Soil Scientist/Agronomist (Senior Lecturer)  
**OFFICE ADDRESS:** Masinde Muliro University of Science and Technology  
School Agriculture and Veterinary Science and Technology  
Department of Sugar Technology  
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## EDUCATIONAL BACKGROUND

2002 - 2007 Egerton University, Kenya  
**Award:** PhD In soil Science

1995 - 1998 Egerton University, Kenya  
**Award:** Msc. In Soil Science

1996 Egerton University, Kenya  
**Award:** Certificate in Microcomputer Application Packages.  
Courses covered included Fundamentals of MS-DOS, Word perfect 5.1, Introductory to LOTUS 123 and Dbase III.

Experience on application of MS word, MS excel and statistical packages MSTATC and SAS.

1993-1995 Egerton University, Kenya  
**Award:** Bsc. In Agriculture, 2<sup>nd</sup> Class Honours (Upper Division)

1986-1989 Egerton University, Kenya  
**Award:** Dip. In Agriculture (With Credit)

1984-1985 Kakamega High School  
Award: Kenya Advanced Certificate of Education (KACE)

1980- 1983 Ingotse High School  
Award: Kenya Certificate of Education (KCE)

1973-1979

Sirigoi Primary School  
Certificate of Primary Education (CPE)

### **CAREER GOALS**

- Teach soil science and agronomy to undergraduate, postgraduate and other related people.
- Conduct research in Agro-ecosystem, sustainable agriculture, land use management for enhanced food security.

### **WORK /PROFESSIONAL EXPERIENCE**

1997-1998

Research Assistant on Soil fertility management in Siaya District.

**Responsibilities:** Developed proposal, design research methodologies for testing the effect of inorganic and organic fertilizers on growth and yield of Beans (*Phaseolus vulgaris L*) and groundnuts (*Arachis hypogea L*). Funded by the Rockefeller Foundations and Small Community Development Programme (SCODP).

**Part time Teaching** in the Department of soil sciences, Egerton University, Taught introduction to soil sciences, soil fertility and plant nutrition.

1998 - 2002

Transect Adviser for Semi Arid Rural Development Programme (SARDEP). Netherlands Funded (NGO) projects.

**Responsibilities:**

**1)** Carried out an inventory exercise on Natural Resources in Keiyo/Marakwet Districts. The duty area included identification of Natural resources, Present Management interventions, Environmental impact assessment/threats and Develop Participatory Proposed future sustainable land use and Conservation Modes.

**2)** Developed Natural Resources (Soil, Water and Agroforestry) management module as an extension strategy. Areas covered included soil fertility research and extension, fertilizer use, Composting, Agroforestry, crop rotation, farm planning, irrigation and soil description. Applied the module for training Project Management committees (PMC) and participatory research in the transects.

**3)** Facilitated land use Planning Exercises in Transects and Provided Technical expertise for sustainable natural resource management.

**4)** Conducted a study on "Economic effect on Microcatchment Conservation/rehabilitation in Keiyo/Marakwet Districts"

**5)** Conducted PRA as a tool for project identification, land use planning exercise and its relevance to soil fertility management, applied gender issues in natural resource management

- 2003 to 2006 **Part time Teaching** at the Department of Crop and Soil Sciences, Egerton University.  
**Responsibilities:** Taught and conducted research for both undergraduate and postgraduate students in areas of introduction to soil sciences, soil fertility and plant nutrition, soil biology and biochemistry, land evaluation and management and soil chemistry
- 2007 Part time teaching at the department of soil science, Moi University. Teaching course: Nursery soils and management.
- 2007 to date Masinde Muliro University of Science and Technology  
**Responsibilities:** Senior Lecturer, Department of sugar Technology  
Teach, conduct research, supervise undergraduate and postgraduate students.

#### **AWARDS, CONFERENCES, SEMINARS AND SYMPOSIA ATTENDED.**

- 1991 Soil conservation efforts award
- 1991 Successfully completed social forestry extension officer's course at National social forestry training Centre, Muguga, Kenya.
- 1992 Participant in an Impact Assessment and Monitoring Exercise for Kenya Woodfuel and Agroforestry programme (1)
- 1998 Participant in regional training of Trainers Course n Soil and Water conservation at Embu, Kenya. Courses covered included soil erosion and conservation, soil fertility management, Gender issues in Natural Resource Management, PRA and Extension approaches for community mobilization.
- 1998 Participated in National training on Water management for agricultural production (WMAP) Matuu, Kenya. Subject covered included Project Management, Soil resources and sustainable productivity, water conservation and harvesting for plant and livestock production.
- 1998 Participated in Regional Third Forum meeting on Agriculture Resource Husbandry "HARARE ZIMBABWE". Presented a paper on Response on Groundnuts (*Arachis Hypogea* L) and Beans (*Phasoeilus vulgaris* L) on fertilizer application, Siaya District, Kenya.
- 1999 Participant in strategic planning workshop for SARDEP, Keiyo/Marakwet District. The planning workshop applied the objective oriented project planning (OOPP/ZOPP) methodology

and featured natural resources. Tools included participation objective analysis, construction of project planning matrix and development of plan of action.

2007 Participant in Second Research week and International Conference, held at Agricultural Resource Centre, Egerton University Njoro, Kenya, 16<sup>th</sup> to 20<sup>th</sup> July 2007

**Paper presented:** Relationship between Nutrient release patterns from organic resource on selected soils in Kenya

2007 Participant in Soil Science Society of East Africa (SSSEA), 24<sup>th</sup> annual conference, 26<sup>th</sup> – 30<sup>th</sup> November 200007, Embu, Kenya

**Paper Presented:** Nutrient release pattern from Pymarc on Selected soils in Kenya

2007 Participant in Academic Advisors Workshop, 7<sup>th</sup> December, 2007, Masinde Muliro University of Science and Technology

2009 Participant in the 9<sup>th</sup> African Crop Science Society conference held in Cape Town, South Africa (28 September to 1 October, 2009). The theme was: Science and Technology supporting Food security in Africa.

2009 Participant in the fifth conference of the Africa Soil Science Society (ASSS). *Yaounde Conbfrernce Hall (Palais des Congres de Yaounde)*, 22-28 November 2009. Sponsored by FAO

**Paper presented:** Effect of organic and inorganic nutrients sources on maize yield and yield components in Nandi District, Rift valley Province

2009 Participant in 25<sup>th</sup> Conference of the soil science Society of East Africa. Kilimanjaro Crane Hotels, Moshi, Tanzania, 7<sup>th</sup> to 11<sup>th</sup> December, 2009. Sponsored by AGRA

#### **MEMBERSHIP TO PROFESSIONAL BODIES**

2007 Member of the Soil Science Society of East Africa (SSSEA)

2009 Member of the African Soil Science Society (ASSS)

2009 Member of Horticultural Society of Kenya (HAK)

2009 AFNET member

## **LEADERSHIP RESPONSIBILITIES AND ASSOCIATION MEMBERSHIP**

- 1982-1983                      Ingotse Secondary School. Library prefect, Member of Mathematics and 4K Club, Member of Christian union.
- 1984- 1985                      Kakamega High School: Dining Hall Prefect and Secretary to school prefect's board, Member of Christian Union.
- 1986 - 1989                      Egerton University: Member and Treasurer of Agronomy Club.

## **PUBLICATION**

Nyongesa H.W, R.K Obura, B.K Kitur and J.P Ouma, P Opala and J.B Miima (2009) Agronomic and Economic Evaluation of Pymarc on maize yield in Rift Valley Province of Kenya. *International journal for Disaster Management and Risk Reduction*, Vol. 2 No. 1, 2009. Pgs 1 – 11. ISSN: 1992-2744

Nyongesa H.W, Wasula S.L and J.I Mose, (2010). Influence of Socio economic factors on adoption of Agroforestry related technologies. The case of Njoro and Rongai Divisions, Nakuru District, Kenya *International journal for Disaster Management and Risk Reduction*, Vol. 2 No. 2, 2010. Pgs 25 –29.

Mugatsia Tsingalia and Nyongesa Humphrey (2010). Inherently Delayed germination of Elgon teak (*olea capensis*) Seeds in Kakamega Forest, Kenya.. *Journal of Biodiversity*, 1 (1): 19-25 (2010)

Tom Ndege, Getenga Z.M, Nyongesa H and Salima Chacha (2010). Social value Formation and Switching to Tithonia in Nzoia river drainage basin (NRDB), Kenya. *Global Business and Economics Anthology*, Vol II, Issue 2, December 2010

Nyongesa H.W, R.K Obura, B.K Kitur and J.P Ouma (2010). Nutrients release from selected soils amended with Pyrethrum marc in Kenya. *Nigerian Journal of Soil Science*, Vol. 20 (2),Pgs 1-7. ISSN-1597-4488

Nyongesa H.W, R.K Obura, B.K Kitur and J.P Ouma (2010). Effect of organic and inorganic Nutrient sources on Maize yield and yield components in Nandi District, Rift Valley, Kenya. *Nigerian Journal of Soil Science*, Vol. 20 (2),Pgs 8-16. ISSN-1597-4488

Nyongesa H.W and Mose J.I (2011). Efficiency of Resources in Maize production in Uasin Ngishu District, Rift Valley Province, Kenya. *International journal for Disaster Management and Risk Reduction*, Vol. 3 No. 3, 2009. Pgs 1 –8. ISSN: 1992-2744.

Nyongesa H.W and Tsingalia (2012). Inherent factors that influence the germination of *Olea Africana* seedls in kakamega foest

## **CONSULTANCY**

Okaka O, Odera O, K'owino I, Makhanu S, Atamba R, Ndiema C, Simala I, Nyongesa H, Neyole E and Wanjala J (2010). Business Plan for the Rescue of Pan African Paper Mills (EA) limited at Webuye. *Raising the Bar are We?*. Masinde Muliro University of Science and Technology, Hopeland Adverts ltd, Nairobi. ISBN: 9966-05-254-2. **Funded by MMUST**

Nyongesa H.W (2010). The Supervision and Control of the Construction of Agricultural Infrastructures in the North West Region of Cameroon. Peace Work Fatherland, Ministry of Agriculture and Rural Development, North West Development Authority (NWDA). Grassfield Participatory and decentralised Rural Development Project (GP-DERUDEP). **Funded by African Development Bank (ADB).**

Odeo I, Abenga E, Nyongesa H, Wakhungu J, Poipoi W, Wabwoba F, Karume S, Kilwake J, Koteng G and Gorreta M (2010). Training of Trainers (TOT), Bukura Agricultural College in house Training. Facilitated on Training methods, Simulation briefing, Simulation Exercise, Video Recording, Viewing and Critique. **Funded by Bukura Agricultural College (BAC)**

Nyongesa H.W, Ogamah B, Ursula Samoey, Otondi Everline (2011). Provision of Extension Service and Support in Production and Marketing of the Local Vegetables, Soya bean, Aquaculture and Fruits and Vegetables Value chains in Butere-Mumias, Kakamega and Busia Regional Service Coordination Units. **Funded by World Bank, KAPAP Project of the Ministry of Agriculture, Kenya**

#### **POSTGRADUATE SUPERVISION**

Suzan W. Imende, Msc Thesis (2010), Factors Affecting the Role of Omena (*Rastrineobola argentea*) for food security in the lake Victoria basin, Kenya. **Graduated**

Muhindi Simon Barasa, Msc Thesis (2010), Adoption of improved sweet potato varieties and implication to household food security in Vuhiga and Hamis Districts. **Graduated**

Webusya Moses, Msc Thesis (2011), Effect of land use practices on plant species diversity and soil properties in Nzoia river drainage basin, Kenya. **Graduated**

Nafula rose wanjala 2012. Impact of ICT on agricultural commodity Exchange in Bungoma County, Western Kenya. **Graduated**

Oduori Abangi G.S W. Msc Thesis (2012). Factors influencing sustainability of farmers field schools in larger busia District, Western Kenya. **Currently under supervision**

Tsuma R Njeri. Msc Thesis (2011). Effect of green maize utilization by farm households on food security in Kakamega central District, Kenya. **Successfully defended thesis awaiting graduation**

Cheptumo Komen Francis. Msc Thesis (2012). Impact of conflict between Mumias Sugar Company and Sugar Cane Farmers on farmers Lielihood in Mumias Sugar Zone, Kenya. **Currently under supervision**

## **CURRENT RESEARCH**

Interactive effect of organic based biofertilizer on soya Bean yield, Nitrogen fixation and soil fertility in Busia District, Kenya. Funded by University Research Funds, Masinde Muliro University of Science and Technology. Funded by MMUST

Promotion of local organic amendments (Tithonia, Farm yard manure and filter mud) in improving crop yields and curbing pollution of the water resources in Nzoia River basin, Kenya. **Funded by NCST.**

## **HOBBIES**

Reading scientific material, singing and service to people of all calibre.

## **REFERRES**

Prof. Philip Wandahwa  
Masinde Muliro University of Science  
and Technology  
P.O Box 190,  
Kakamega  
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Prof. Lenah Nakhone,  
Egerton University  
Crop and Soil Sciences Department  
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Dr. Robert K. Obura,  
Egerton University  
Crop and Soil Sciences Department,  
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## **Summary**

Students successfully supervised- 4  
Students under supervision- 3  
Academic qualifications- PhD in Soil Science  
Publications- 6 articles  
Teaching experience – 5 years  
Jo position senior lecturer