



CURRICULUM VITAE

The ECOSEV-U Executive Director

Names and qualifications:

Hosea, D.R. Muhanguzi (BSc. Forestry, MSc. Environmental Science and Natural Resources, Postgraduate Diploma in Education and Ph.D)

Work experience:

- 1988 -1989: Research Officer at the Uganda Institute of Ecology in Queen Elizabeth National Park assessing the natural regeneration of selected shrub and tree species in the park and factors affecting survival and growth of planted tree species in fishing villages within the national park.
- 1989 – 1990: Researcher, Makerere University Biological Field Station (MUBFS), Kibale National Park.
- 1992 – to date: Teaching at Makerere University, School of education, Department of Science and Technical and Vocational Education (DOSVTE).
- 1993 &1996: A Technical Trainer of the American Peace Corps Volunteers in Agroforestry, Community Forestry, Environmental Education and Management of protected Areas.
- 1993: Carried out an Environmental Impact Assessment (EIA) on a proposed alternative route along the Fortportal-Bundibugyo road in Western Uganda. This was an African Development Bank sponsored project and was jointly carried with Mott MacDonald and Sabour consultants of England and Egypt respectively.
- 1994: Researcher with the Danish Research Centre for Tropical Biodiversity based in based at the University of Copenhagen, Denmark. Researched about Diversity of plant species in selected forests in the Albertine rift including Bwindi, Kibale and Kasyoha-Kitomi located in south-western Uganda.

Research undertaken:

- 2020: Conducted a survey about the potential for Ecotourism development in selected forests in the L. Victoria basin through a collaborative engagement with NFA and utilising funds provided by World Bank to NFA.
- 2016 - 2019: Surveyed selected tropical rain forest patches/reserves located in central Uganda – lake shore forests to establish their current general management and utilisation, extent of degradation, and regeneration/restoration status.
- 2015: Conducted a survey about climate change in areas of Isingiro district, South-western Uganda that were severely affected by prolonged drought.

Explored the types of cook stoves used in rural and urban primary and secondary schools in selected schools in Isingiro and Mbarara districts, south-western Uganda.

- 2013 - 2014: Conducted studies on; (i) Gender, Forest Resources Utilisation and Management in Uganda: Implications on Mitigation and Adaptations to effects of Climate Change and (ii) Gender and Adaptation of Improved Wood fuel Stoves: A Strategy to Mitigate and Adapt to Effects of Climate Change in Uganda.
- 2012: Conducted a study on; The gendered effects of climate change on agricultural productivity and food security: Strategies for increased adaptive capacities to climate variability with support from CODESRIA.
- 2011 – 2012: Conducted a study on Gender and Climate Change: Assessing Impacts and Strategies for Mitigation and Adaptation to Climate Change in Uganda under support of Icelandic International Development Agency (ICEIDA), The Royal Norwegian Embassy and Danish International Development Agency (DANIDA)
- 2010 – 2011: Plant regeneration in recently logged areas of Kalinzu Forest Reserve, Uganda. Funded by Kyoto University, Japan.
- 2011 – 2011: Distribution, utilization and conservation of *Warbugia Ugandensis* (Canellaceae) in Kalinzu Forest reserve (KFR) and its environs. Funded by Kyoto University, Japan.
- 2007 – 2010: Community initiatives for sustained production of bark cloth from a diversity of fig tree species (*Ficus* species) in Masaka and Rakai districts.
- 2008 – 2011: Growth and survival of tree seedlings of different successional guilds in Kalinzu Forest reserve, Uganda.
- 2008 -2009: Gender in Science, Mathematics and Technology (SMT) Education: Promotion of Girls' participation and performance in SMT Subjects in selected Institutions in Uganda.
- 2008: Gender and Environmental Education in selected communities around Kalinzu Forest Reserve: Implications on energy, water, wildlife and forest conservation.
- 2008: Indigenous culture and conservation of Natural Resources in Uganda.
- 2007: Diversity, population dynamics and phenology of figs in Kalinzu forest, Uganda. Funded by Kyoto University, Japan.
- 2006 – 2008: Exploring the Practical applicability of the Science subjects taught in Secondary Schools in Uganda: Implication on community Socio-economic development.
- 2006: A gender dimension of community involvement in sexuality education in contemporary Uganda. Funded by Sida/Sarec.
- 2003 – 2005: Enhancing girls' Performance in Science, Mathematics, Technology and vocational Education in Uganda: A NORAD funded Project.
- 2001: The Effect of different levels of human disturbances on tree Regeneration in Mabira Forest Reserve, Uganda.
- 1999: Regeneration of selected pioneer, canopy and understory in Kalinzu Forest Reserve: The dynamics of the early life cycle stages, Makerere

- University, Kampala. Funded by NUFU and the African Academy of Sciences (AAS).
- 1993: Factors that influence fuel wood utilization, availability and conservation in rural areas of Mbarara district and the implications of wood fuel status on environmental quality.
- 1993: Natural Forest Regeneration Trends in areas of Kibale National Park with different Management Histories. Funded by USAID through the Makerere University Biological Field Station.

Publications:

(a) Publications in refereed professionally recognised journals

- 2011: The Construction and Mediation of Sexuality and Gender Relations: Experiences of Girls and Boys in Secondary Schools in Uganda (Feminist Formations, 23 (1), 135-152).
- 2011: Fruiting phenology of fig trees in Kalinzu Forest Reserve, Uganda (Afr.J. Ecol., 50, 90-101).
- 2007: The effect of human disturbance on trees species composition and demographic structure in Kalinzu Forest Reserve, Uganda (African Journal Ecology 48 (supp.3) 1-9).
- 2005: Forest site disturbances and seedling emergence in Kalinzu Forest, Uganda (Tropical Ecology 46 (1): 91-98).
- 2002: Influence of light quality on germination characteristics of selected pioneer, understorey and canopy tropical forest tree species in Kalinzu Forest Reserve, Uganda. (UJAS Vol. 2 No. 2 June 2002).
- 2002: The Influence of Forest site manipulation and light on emergence, growth and survival of selected forest species in Kalinzu Forest reserve, Uganda (J. of Disc. Innov.; Special Edition, 2001).
- 2002: Tree fruiting phonology in Kalinzu Forest Uganda (Afr. J. Ecol., 41, 171-178).

(b) Manuscripts in preparation

- An Assessment of Gender and Environmental Education experienced in local communities neighbouring Kalinzu Forest Reserve, Uganda.
- Gender and Climate Change: Capacity to Cope and Adapt to effects of Climate Change in selected districts in Uganda
- Towards a gender responsive Climate Change policy in Uganda: Opportunities and Challenges
- Gendered effects of climate change on agricultural productivity and food security: Strategies for increased adaptive capacities to climate variability
- Diversity and population dynamics of figs in Kalinzu forest, Uganda.

- Growth and survival of tree seedlings of different successional guilds in Kalinzu Forest reserve, Uganda
- Community initiatives for sustained production of bark cloth from a diversity of fig tree species (*Ficus* species) in Masaka and Rakai districts.

Attendance of International workshops and conferences:

- 1997: Attended a training Workshop on Afromontane Forest Tree Use and Population dynamics held at the Institute of Tropical Forest Conservation, Bwindi National Park organised by People and Plants Initiative.
- 1998: Attended a workshop on Ethnobotany and Ethnoecology in Uganda held at Makerere University and organised by the Ugandan Group of the African Network of Ethnobotanists/Ethnoecologists (UGANEB).
- 2000: Attended and presented a paper in the Second Symposium on "Recent Advances in Forestry Research and Management in Africa held in Addis Ababa, Ethiopia
- 2009: Participated in a Workshop on Physical Education and Sports Development in Uganda held at Mandela National Stadium, Kampala and organised by the Ministry of Education and Sports.
- 2010: Participated and presented a paper in the International Primatological Society XXIII Congress held at Kyoto University, Japan.
- 2010: Attended a workshop on Environmental Management and Sustainable Development organised by NEMA, Uganda and held in Kampala.
- 2010: Participated in the TESSA (Teacher education in Sub-Sahara Africa) Secondary Science Workshop held in Dar-Es-Salaam, Tanzania
- 2011: Participated in the TESSA (Teacher education in Sub-Sahara Africa) Secondary Science Writing Workshop held at Egerton University, Kenya.
- 2012: Participated in an International Conference on Environmental Education held at Rhodes University, South Africa.
- 2013: Participated in a Gender and Climate change Expert Group Meeting organised by the United Nations Economic Commission for Africa to examine the Gendered Dimension of climate change in Africa and was held in Addis Ababa, Ethiopia.
- 2017: Participated in an International Great Lakes Conference held in Entebbe, Uganda about Conservation and Development in a Changing Climate organised by the Nature Conservancy Organisation.
- 2019: Participated in a UNDP PIP for Lake Victoria Basin Workshop on Policy and Institutional Governance Consultations held in Kampala, Uganda.
- 2019: Participated in a UNDP workshop about addressing the issue of Deforestation in Uganda under the UNDP's Accelerator lab project.