

CURRICULUM VITAE

- 1. NAMES:** Patrick Mucunguzi
- 2. YEAR OF BIRTH:** 4th December 1957
- 3. CITIZENSHIP:** Ugandan
- 4. RANK:** Associate Professor

5. POSTAL ADDRESS: Makerere University, Department of Plant Sciences, Microbiology and Biotechnology, P. O. Box 7062, Kampala, Tel: 256-712-813610, E-mail: *pmucunguzi@cns.mak.ac.ug*

6. ACADEMIC QUALIFICATIONS

- i) 1979 - 1982: BSc. (Botany/Zoology) Second Class Honours, Upper Division, Makerere University
- ii) 1989 - 1992: M.Sc. (Environmental Sciences) Makerere University
- iii) 1997 – 2001: PhD. (Botany) Makerere University

7. WORKING EXPERIENCE

- i) 1982 - 1988: Appointed as Teaching Assistant in the Department of Botany, Faculty of Science, Makerere University, 12th October, 1982
- ii) 1988 – 1992: Appointed as Staff Development Fellow in the Department of Botany, Makerere University.
- iii). 1992 – 1993: Appointed as Assistant Lecturer in the Department of Botany, Makerere University, 9th November, 1992
- iv). 1994-1998: Appointed as Lecturer, Department of Botany, Faculty of Science, Makerere University, 5TH July, 1994
- v). 1998-2008: Promoted to a Senior Lecturer Department of Botany, Faculty of Science, Makerere University, 9TH September, 1998
- vi). 1998 - 2000: Appointed as an Assistant to the University Research Extension Coordinator (Faculty of Science) in the NARO/Makerere University Co-operation.
- vii). 2002-2004: Acting Head of Department of Botany, Faculty of Science, Makerere University
- viii). 2004 – 2008: Head of Department of Botany, Faculty of Science, Makerere University
- ix). 2008 to date: Promoted to an Associate Professor of Botany, Department of Plant Sciences, Microbiology and Biotechnology (formerly Botany) Faculty of Science, Makerere University, 20th May, 2008.
- x) 2005 – 2017: Field Attachment Coordinator, Department of Plant Sciences, Microbiology and Biotechnology (formerly Botany)

8. RESEARCH UNDERTAKEN:

- i). 1982 - 1983: Monitoring tree growth and survival in Mpanga Forest Reserve, Uganda by a team of Dr. A.C. Hamilton, Dr. Taylor, Dr. Bukenya and **Mr. P. Mucunguzi**.
- ii) 1990-1992: Carried out research on the Ecology of *Acacia* in relation to fire and bruchids in Queen Elizabeth National Park, Uganda.
- iii) 1994 –1996: Research on Seed Bank dynamics of *A. gerrardii* in Queen Elizabeth Park, Uganda.
- iv) 1995-1997: Research on Vascular Epiphytes in Kibale Forest National Park.
- v) 2003 - 2004: Research on the epiphytic organic matter in Kibale National Park.
- vi). 2003 – 2007: Research on the ecology of rare grasses in Uganda.
- vii) 2011 – 2013: Research on the terrestrial ferns and vascular epiphytes in selected forest fragments in the Lake Victoria region, Uganda.
- viii) Monitoring of vegetation in disturbed and restored areas by oil exploration works in the Albertine rift, 2014-2016, under Dr James Kalema, the PI

10. RESEARCH GRANTS AWARDED

- i). 1990: Research Grant from East African Wildlife Society.
- ii). 1991: D.A.A.D Scholarship from the Federal Republic of Germany, for M.Sc. study.
- iii). 1994: NUFU small grant for research in Queen Elizabeth National Park, a collaboration between University of Oslo, Norway and Makerere University.
- iv). 1995 - 1998: WWF partial grant and Makerere University research grant for research on forest canopy ecology for Ph.D. study.
- v). 2003 - 2004. NUFU small grant for research on epiphytic organic matter in Kibale National Park, Collaboration between University of Oslo, Norway and Makerere University.
- vi). 2003 - 2007. NUFU small grant for research on the ecology of rare grasses in Uganda, Collaboration between University of Oslo, Norway and Makerere University.
- vii). Millennium Science Initiative Fund for support towards Bachelor of Biotechnology – Department of Botany, Project under the Uganda National Council for Science and Technology supported by World Bank Project funds: UD\$ 1.249 million. *Principal investigator*: Professor Sivester Nyakaana, *Core Team staff*: Professor Hanington Oryem-Origa (Mak), Assoc. Professor Gerald Mutumba (Mak), Dr Arthur Tugume, (Mak), **Patrick Mucunguzi** (Mak)-participated as a Head of Department.
- viii). 2011 – 2015: Influence of the Matrix on Species Richness in Ugandan Forest Fragments (The Matrix)- Norwegian Research Council Project # 184787. Funds: NOK 1,893,642.0. *Principal investigator*: Professor Vigdis Vandvik, University of Bergen. *Core Team, scientific staff*: Deborah Baranga (Mak), Emmanuel Kasimbasi (Mak), Ernst Nordtveit (UiB), Gerald Eilu, (Mak), Robert Kityo (Mak), **Patrick Mucunguzi** (Mak), Richard Telford (UiB, Co-PI).

viv). 2012 – 2014: Small grant for research on the terrestrial ferns and vascular epiphytes in selected forest fragments in the Lake Victoria region, Uganda MATRIX PRO, Collaboration between University of Bergen, Norway and Makerere University. *Principal investigator: Patrick Mucunguzi*

11. AREAS OF TEACHING

a) My current areas of teaching include; Tropical Forest Ecology, Biodiversity Conservation, Rangeland Ecology and Management, Conservation Planning and Assessment and Landscape Ecology

b) Courses I teach in the Department of Biological Sciences:

i) Undergraduate courses

- 1) BCB 1207: Practical Skills in Conservation Biology (joint)
- 2) BCB 2105: Wildlife Habitats
- 3) BCB 2203: Rangeland Ecology and Management
- 4) BCB 3111: Conservation Planning and Assessment
- 5) BCB 3206: Tourism Development and Management (joint)
- 6) ETB 2204: Plant Resources Conservation and Management.
- 7) ETB 3102: Issues in Plant Biodiversity (joint)
- 8) ZOO 3209: Wildlife Ecology and Management (joint)

ii) Postgraduate courses

- i) BOZ 7141: Natural Resources and Landscape Processes (joint)
- ii) BOT 7209: Rangeland Ecology and Management
- iii) BOT 7211: Natural Resource Conservation and Management
- iv) BOT7213: Research, Experimentation and Survey Sampling

Supervision of undergraduate students

Supervised at least three students per year for their third year research project paper from 1994 to date

12. SUPERVISION OF POSTGRADUATE STUDENTS

a) MSc students who have completed

i) Mr **Simon Egadu** “Survey of Acacia tree resources in the Karamoja Region for gum Arabic production” M.Sc. (Botany) Dissertation, Makerere University, Uganda. (Graduated in 2005)

ii) Ms **Mary Namaganda** “The distribution of grasses along a rainfall gradient from Entebbe to river Kafu, Central Uganda” M.Sc. (Botany) Dissertation, Makerere University, Uganda.

(Graduated in 2005)

iii) Ms **Maria Mbatudde** “The distribution of Family Compositeae (Asteraceae) along a rainfall gradient from Entebbe to river Kafu, Central Uganda” M.Sc. (Botany) Dissertation, Makerere University, Uganda. (Graduated in 2006)

iv) Mr **Mugisha Peter** “Nutrient storage in dominant plants of Nakivubo (Kampala) and Kirinya (Jinja) wetlands in Uganda” M.Sc. (Environment) Dissertation, Makerere University, Uganda. (Graduated in 2007)

v) Mr **Collins Bulafu** “The diversity and distribution of the terrestrial orchids on Mount Elgon, Eastern Region, Uganda” M.Sc (Botany) Dissertation, Makerere University, Uganda. (Graduated in 2008)

After promotion to Assoc Professor on 20th May, 2008

a) MSc students who have completed

vi) **Mr. John Bukenya** “Feeding ecology of plains zebra on cattle ranches adjacent to Lake Mburo National Park, Uganda. M.Sc. (Zoology) study (Graduated in 2014).

vii). **Mr. Jackson Bunyangha** 2010/HD19/274U “Preferential vegetation re-colonization in a formerly agricultural Nakayiba wetland: effect on water quality and purification, Uganda” M.Sc. (Environment) study 2010/13. (Graduated in 2015)

viii). **Ms. Muja Judith** 2007/HD19/9197U “The role of Tree Species Diversity, Utilization and Conservation to Livelihoods in the River Nile Floodplains of Kayunga District, Uganda” M.Sc. (Environment) study. (Graduated in 2017)

ix) **Mr. Bbate Siraje** 2010/HD19/1480U “Significance of Baganda indigenous knowledge in wildlife conservation and tourism development: A case of Luggo cultural forest – Kalangala, District, Uganda” M.Sc. (Environment) study. (Graduated in 2017)

x) **Ms Namugenyi Rebecca** (2012/HD02/184U) “Implementation of Wetland Conservation Strategies in Kampala, Central Uganda: A Case study of Lubigi Wetland, M.Sc. (Environment) study. (Graduated in 2017)

xi) **Ms. Nanyanzi Mariam** PAU-UI-0128 “Urbanization and the Management of Wetlands in Uganda: A Case study of Kampala District” M.Sc. (Environmental Management) study, PAN African University of Ibadan, Ibadan, Nigeria. (Graduated in 2016)

b) PhD students who have completed

xii) **Badaza Rose Nakileza:** 99/HD13/1228U, PhD (Botany) The effects of Fire on the Regeneration of Acacia Species in Lake Mburo National Park (Graduated in 2010).

xiii) Mr. Collins Bulafu “Diversity and Reproductive traits of woody species in forest fragments in and around 'Kampala area', Uganda, PhD (Botany) study (Graduated in 2014).

c) On-going M.Sc. and PhD students

xiv) Mr. Brian Baguma “Invasive alien plant species in Semuliki National Park, Uganda, M.Sc. (Environment) study 2010/13.withdraw after first draft

xv) Mr. David Musingo (2008/HD13/13467U) “Invasive effect of *Mimosa pigra* on diversity of other plant species at Lutembe Wetlands System, Central Uganda” M.Sc. (**Botany**) study under examination.

xvi) Ms Harriet Nalubega (2011/U/HD13/2804U) “*Fern* species diversity and selected traits in forest fragments around north east of Kibale National Park, Uganda” M.Sc. (Botany) study withdraw after second draft

xvii) Ms Owamani Olive Kagweza (2012/HD13/622U) “Diversity and Distribution of Parasitic Plants on Woody plants in Home gardens in selected Districts of western Uganda” M.Sc. (Botany) study 2012/14).

xviii) Ms. Queen Catherine Karabo (2012/HD02/146U) “Contribution of Land use practices to the degradation of Nsooba-Lubigi Wetland System, central Uganda, M.Sc. (Environment) study, under examination.

xix) Mr. Ssenkaayi Godfrey (2015/HD13/1720U) “ Floral Diversity, Availability and Honeybee Colony Performance in Masaka District, M.Sc. (Zoology) study 2016/17), Ongoing.

xx) Mr Ojelel Samuel (2016/HD13/18962U) “Significance of selected forests in Teso – Karamoja sub regions of Uganda in the conservation of vascular plants” PhD (PMB) study 2016/17), Ongoing.

(c) M.Sc. & PhD students examined

a) Internal examiner for graduate students

i) Justus Namara Tumkunde. “The Abundance, Distribution and Community Utilization of *Loeseniella apocynoides* and *Manilkara obovata* species in Sango Bay Forests,Rakai District” M.Sc (Environment) Dissertation, Makerere University, Uganda.

ii) Ms Nancy Abesiga. “The impact of Water Harvesting on Plant Diversity in the Rangelands of Kakuuto County Rakai District”, M.Sc (Environment) Dissertation, Makerere University, Uganda.

iii) Mr Simon Egadu “Survey of Acacia tree resources in the Karamoja Region for gum Arabic

production” M.Sc. (Botany) Dissertation, Makerere University, Uganda.

iv) Mr Mugisha Peter “Nutrient storage in dominant plants of Nakivubo (Kampala) and Kirinya (Jinja) wetlands in Uganda” M.Sc. (Environment) Dissertation, Makerere University, Uganda

After promotion to Assoc Professor on 20th May, 2008

MSC STUDIES

v) Mr. Sirike Judith “Impact of land use/cover change on carbon stock dynamics and river water quality: A case study of River Atari-Kapchorwa District” M.Sc. (Environment) Dissertation, Makerere University, Uganda

vi) Mr. Gidoi Robert “Effect of market access of Agricultural commodities on Soil Water Conservation Investment in Sebei Sub Region, eastern Uganda” M.Sc. (Environment) Dissertation, Makerere University, Uganda

vii) Ms Adoch Esther Patricia “Utilization and conservation of on-farm woody species in post conflict Northern Uganda: A Case of Awach Sub County, Gulu District” M.Sc. (Environment) Dissertation, Makerere University, Uganda

viii) Ms Mwolobi Irene “Vegetation Change across selected savanna Ecotones in Eastern and Central Uganda” M.Sc. (Botany) Dissertation, Makerere University, Uganda.

ix) Mr Mukalazi Frank titled “Biodiversity differences among different agricultural land uses using butterflies as bio-indicators: A Case study of Gomba District, Central Uganda” M.Sc. (Env) Dissertation, Makerere University, Uganda.

x) Mr. Opio Alphonse titled “Linking Carbon and Hydrological Cycles in Papyrus Tropical African Wetlands in Uganda” PhD (Environment) Dissertation, Makerere University, Uganda.

xi) Ms Kamusiime Emily titled “Diversity and Distribution of Canopy Hemi-Parasitic Plants in Bwindi Impenetrable Forest” M.Sc. (Agroforestry) Dissertation, Makerere University, Uganda.

xii) Ms Achom Ann Okaisu titled “Trends and Factors Driving Land Use/Cover Change and its Impact on soil Properties in Kasese District, Southwestern Highlands of Uganda” M.Sc. (Environment) Dissertation, Makerere University, Uganda.

xiii) Mr. Tumwebaze Kenneth titled “Influence of Sowing Depth on Seed emergence and seedling establishment of selected Medicinal plant species” M.Sc. (Environment) Dissertation, Makerere University, Uganda.

xiv) Mr. Asimwe Joseph titled “The Conservation Importance of the Ayago River Basin in Murchison Falls National Park, Uganda” M.Sc. (Environment) Dissertation, Makerere University, Uganda.

xv) **Ms Namugwanya Berna** titled “Analysis of CITES Implementation in Uganda” M.Sc. (Environment) Dissertation, Makerere University, Uganda.

xvi) **Mr. Sylvano Afai** (2009/HD07/15477U) MSc dissertation titled " Tree Species Diversity, Structure and Composition in Agoro-Agu Central Forest Reserve, Northern Uganda"

xxi) Mr. Okello Dennis (2012/HD13/626U) MSc dissertation titled “ Effects of Heavy Metal Accumulation on Growth of *Phaseolus vulgaris* L. at Varying Distances from Nyakasoojo Copper Tailings Dam in Kilembe, Kasese District” M.Sc. (Botany) Dissertation, Makerere University, Uganda, 2015.

xxii) Ms Nalule Oliver () MSc (ENR) dissertation titled “Assessing the Potential of Science Tourism in South-western Uganda: Preferences, Drivers and suitable Sites” M.Sc. (Environment) Dissertation, Makerere University, Uganda, 2016.

xiv) **Mr. MUGONDI KAPEL JEROME** Reg no. 2013/HD02/2052U M.Sc. (ENR) dissertation titled “Invasiveness of *Brugmansia suaveolens* in Uganda: A Case Study of Busanza sub County”, ” M.Sc. (Environment) Dissertation, Makerere University, Uganda, 2016.

PHD STUDIES

xvi) Dr. Badaza – Nakileza Rose. “The effect of fire on the regeneration of *Acacia* species in Lake Mburo National Park” PhD (Botany) Thesis, Makerere University, Uganda, 2010

xvii) Dr Mfitumukiza David titled “Spatial and Seasonal Dynamics of Rangeland Herbage: an Integration of Proxy and direct Monitoring approaches” PhD (Environment) Dissertation, Makerere University, Uganda.

xviii) Dr Esaete Josephine, “Impact of Cropping Regimes on the Diversity and Distribution of major Macrophytes in Bukasa and Kinawataka Wetland, Uganda” PhD (Botany) Thesis, Makerere University, Uganda

(d) External examiner for graduate students and Universities

i). Mr. James Musinguzi. “The Impact of the fire on the Forest Dynamics in Bwindi Impenetrable National Park”, M.Sc (Bio.) Dissertation, Mbarara University of Science and Technology, Uganda.

ii). Ms Betty Akwong titled “Impact of Brick making on Bujaga Wetland in Mbarara South Western Uganda, M.Sc (Bio.) Dissertation, Mbarara University of Science and Technology, Uganda.

iii). Mr. George Businge “Trans-boundary Livestock Grazing and its Influence on Plant Community Structure in Toro Semuliki Wildlife Reserve mid Western Uganda” M.Sc (Bio.) Dissertation, Mbarara University of Science and Technology, Uganda.

External examiner for undergraduate examinations

iii) Appointed as an External Examiner for the Department of Biology examinations at Islamic University In Uganda, Mbale in 2006 to 2010.

iv) Appointed as an External Examiner for the Department of Botany examinations at the University of Dar es Salaam, United Republic of Tanzania in 2009 - 2011.

v) Appointed as an External Examiner for the Dar es Salaam University College of Education (DUCE) examinations, United Republic of Tanzania in 2010 to 2012.

vi) Appointed as an External Examiner for the Department of Biology examinations at Busitema University In Uganda, Tororo in 2012 to 2014.

vii) Appointed as an External Examiner for the Department of Biology examinations at Mbarara University of Science and Technology, in 2013-15.

13. PUBLICATIONS:

(a) Theses

i) MUCUNGUZI, P. (1992). The effect of fire and bruchids on the germination and seedling establishment of some acacias in Queen Elizabeth National Park, Uganda, M.Sc. dissertation presented to Makerere University.

ii) MUCUNGUZI, P. (1997). The Ecology of Vascular Epiphytes in Kibale National Park, Uganda, PhD thesis submitted to Makerere University.

(b) Published Conference Proceedings

i) MUCUNGUZI, P. & NUWE, J.B. (1991). The role of conservation Education in saving Wildlife in Africa. *Proceedings of an International Symposium on Human influence on Endangered Wildlife species in Africa*. Dec. 2nd - 5th 1991, Kampala.

ii) ADIMOLA, B., BAKUNETI, C.M., MBUKUYO – MOSANGO, & MUCUNGUZI, P. (1999). Summary of invasive species and vulnerable ecosystems in Uganda, *Proceedings of a regional workshop on Invasive Species in Eastern Africa*, held at ICIPE, July 5 – 6, 1999, eds. Elizabeth E. Lyons and Scott E. Miller, Nairobi.

iii) MUCUNGUZI, P. (2002). Establishment and implementation of a Bachelor of Science degree programme in Ethnobotany at Makerere University. In *Proceedings of a workshop on Curriculum Development in Applied Ethnobotany*, Nathiagali, 2 – 4 May 2002 (ed. Z. K. Shinwari, A. Hamilton and A.A. Khan). WWF-Pakistan, Lahore, Pakistan.

(c) Publications in refereed journals

i) MUCUNGUZI, P. (1995) Bruchids and the survival of *Acacia* seeds. *Afr. J. Ecol.* 33:

175 - 183.

- ii) MUCUNGUZI, P. (1995) Effects of Bruchids on germination and seedlings establishment of *Acacia* species, *Afr. J. Ecol.* 33, 64-70.
- iii) MUCUNGUZI, P. (1995). Environmental Education in the Formal sector of Education in Uganda. *Environmental education Research* 1, (2): 233-240.
- iv) MUCUNGUZI, P. (1995). The effects of fire on the environment in Uganda: A review, Manuscript for MUINER/WWF, project No. UG 0022.
- v) MUCUNGUZI, P. (1995). Review of Non-formal Environmental Education in Uganda. *Environmental Education Research* 1 (3): 337 - 344.
- vi) MUCUNGUZI, P. & ORIGA, H.O. (1996) Effects of heat treatment and fire on the germination of *Acacia* seeds. *J. Trop. Ecol.* 12 (1): 1 -10.
- vii) TAYLOR, D. M., HAMILTON, A.C., DUNCAN, J., MUCUNGUZI, P. & ZIRABA BUKENYA, R. (1996). Stand dynamics in Mpanga Forest Reserve, Uganda, *Journal of Tropical Ecology*, 12:583-597.
- viii) EILU, GERALD; HAFASHIMANA, DAVID; **MUCUNGUZI PATRICK**, (1998). Diversity of lianas and vascular epiphytes in tropical forests of the Albertine rift, western Uganda. *Selbyana.* : 275-276
- ix) OBUA, J., AGEA, G.A., NAMIREMBE, S., EGADU, S.P. & **MUCUNGUZI, P.** (2006). The potential of *Acacia senegal* for Dryland Agroforestry and Gum Arabic Production in Uganda, *Journal of Drylands* 1(2): 186-193.
- x) EGADU, S. P., **MUCUNGUZI, P.** & OBUA, J. (2007) Uses of tree species producing gum arabic in Karamoja, Uganda Uganda, *Afr. J.Ecol.* 45: 17 – 21.
- xi) MUCUNGUZI, P. (2007). Diversity and Distribution of hemi-epiphytes and facultative herbaceous epiphytes in Kibale National Park, Uganda, *Afr. J.Ecol.* 45: 52 - 56.
- xii) MBATUDDE, M., **MUCUNGUZI, P.** & LYE, K. (2007).The Diversity and Distribution of family Asteraceae from Entebbe to Kafu, Central Uganda, *Afr. J.Ecol.* 45: 57 - 64.
- xiii) EGADU, S. P., **MUCUNGUZI, P.** & OBUA, J. (2007).The population status of *Acacia* tree species producing Gum Arabic in the Karamoja region, Uganda, *Afr. J. Ecol.* 45 (3), 236–241.
- xiv) BATUDDE, M., **MUCUNGUZI, P.** & LYE, A. (2007). Phenology of Asteraceae in elected districts of Central Uganda, *Afr. J. Ecol.* 45 (3), 1–6.
- xv) BULAFU, C., **MUCUNGUZI, P.** & KAKUDIDI, E. (2007). Diversity and distribution of wild terrestrial orchids of Mt. Elgon National Park, Eastern Uganda, *Afr. J. Ecol.* 45 (3), 236 –24.

xvi) MUCUNGUZI, P. (2007). Diversity and Distribution of epiphytic ferns in Kibale National Park, Uganda, *Selbyana* 28 (2): 154 – 160.

After promotion to Assoc Professor on 20th May, 2008

xvii) KANSIIME, F., KATEYO, E. & ORYEM-ORIGA, H. & **MUCUNGUZI, P.** (2007). Nutrient status and retention in pristine and disturbed wetlands in Uganda: management implications, *Wetlands Ecology and Management*. 15 (6): 453-467. (July 2007 on line; December 2007)

xviii) **MUCUNGUZI, P.**, KASENENE, J., MIDGLEY, J., SSEGAWA, P. & TABUTI, J. (2007). Distinguishing forest tree communities in Kibale National Park, western Uganda using Ordination and Classification methods, *Afr. J.Ecol.* 45: 99–108. (December 2007)

xix) MUCUNGUZI, P. (2007). Diversity and Distribution of Vascular Epiphytes in the forest lower canopy in Kibale National Park, Uganda, *Afr. J. Ecol.* 45: 17 – 21. (December 2007)

xxi). MUCUNGUZI, P. (2008). Diversity and Distribution of epiphytic Orchids in Kibale National Park, Uganda, *Selbyana* 29 (2): 217 – 225.

xxii). C. BULAFU, C. BARANGA, D., **MUCUNGUZI, P.**, TELFORD, R.J., & VANDVIK, V. (2013). Massive structural and compositional changes over two decades in forest fragments near Kampala, Uganda, *Journal of Ecology and Evolution*, doi: 10.1002/ece3.747, online publication

xxii). BULAFU, C., BARANGA, D., EYCOTT, A.E., **MUCUNGUZI, P.**, TELFORD, R. J. AND VANDVIK, V. (2013). Structural Changes are More Important than Compositional Changes in Driving Biomass Loss in Ugandan Forest Fragments, *Journal of Tropical Forestry and Environment* Vol. 3, No. 02.

xxiii) TUGUME, P., BUYINZA, M., NAMAALWA, J. KAKUDIDI, E.K., & **MUCUNGUZI, P.**, KALEMA, J., & KAMATENESI, M. (2015). Socio-economic predictors of dependence on Non-timber forest products: lessons from Mabira Central Forest Reserve Communities, *Journal of Agriculture and Environmental Sciences*, Vol. 4, No. 2, pp. 195-214 . DOI: 10.15640/jaes.v4n2a23URL: <http://dx.doi.org/10.15640/jaes.v4n2a23>

xxiv) TUGUME, P, KAKUDIDI, E.K., BUYINZA, M., NAMAALWA, J., KAMATENESI, M., **MUCUNGUZI, P.**, & KALEMA, J. (2016). Ethnobotanical survey of medicinal plant species used by communities around Mabira Central Forest Reserve, Uganda, *Journal of Ethnobiology and Ethnomedicine*, 12:5, DOI 10.1186/s13002-015-0077-4

xxv). TUGUME, P., BUYINZA, M., NAMAALWA, J., KAKUDIDI, E.K., KALEMA, J., KAMATENESI-MUGISHA, M. & **MUCUNGUZI, P.** (2016). Non Timber Forest Products used by Communities adjacent to Mabira Central Forest Reserve, Uganda, *Journal of Environmental Management* (In Press)

e) Chapters in books

- i) **MUCUNGUZI, P. & KASENENE, J.** (2010). Diversity and Distribution of trees and vascular epiphytes in Kibale National Park, Uganda, In: eds. Grazia Polisciano and Olmo Farina, National Parks: Vegetation, Wildlife and Threats, Nova Science Publishers. ISBN number: 9781608767427 1608767426
- ii) **KALEMA J., M. NAMAGANDA, P. SSEGAWA, C. KABUYE, O. MAGANYI & P. MUCUNGUZI.** (2010). Higher plants. In - Baseline Report on state of biodiversity in the Nile Uganda. Nile Basin Initiative. ISBN: 978-9970-148-29-5.
- iii) **BARANGA, D., C.A. CHAPMAN, P. MUCUNGUZI, AND R. REYNA-HURTADO** (2013). Fragments and food: red-tailed monkey abundance in forest fragments of Central Uganda. In: L.K. Marsh and C.A. Chapman eds. Primates in fragments: complexity and resilience. Springer Press, New York Pp. 213-226.

14. CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED

- i) 23rd- 24th April 1985: Seminar on Renewable Natural Resources, Ecology and Conservation in Uganda, organised by the Ministry of Planning and Economic development.
- ii) 8th-10th December 1986: International Symposium on African Wildlife, organised by Uganda Institute of Ecology, Uganda.
- iii) 14th-17th December 1987: First Uganda Pasture Network (UPANE) Workshop, organised by Faculty of Agriculture and Forestry of Makerere University with the help of U.S.A.I.D.
- iv) 16th-17th May 1988: Workshop on "Native Trees and their uses", organised by the Institute of Environment and Natural resources of Makerere University. I presented work on the "Germination trials of Native *Acacia* tree seedlings".
- v) 9th - June, 1990: Paper presented on Environmental Deterioration, its implications and remedies" at a symposium organised by Makerere University Rover Scouts Crew, Makerere University.
- vi) May, 1991: Attended a Seminar on "Immobilisation techniques in Wildlife management", organised by Uganda Institute of Ecology, Mweya, Uganda.
- vii) 24th-28th October 1991: Secretary and Facilitator at a Western Region Patron's Workshop on Wildlife and Environment Conservation organised by Queen Elizabeth National Park held at Mweya.

- viii)** 2nd - 5th December 1991: Paper presented on "The role of Conservation Education in saving Wildlife in Africa", at an International Symposium on Human Influence on Endangered Wildlife species in Africa, Organised by Uganda Institute of Ecology/Uganda National Parks.
- ix)** 8th August 1992: Workshop on "Strategy for establishment of a National Herbarium" at Makerere University, Uganda.
- x)** 16th-17th December 1992: Attended 2nd Workshop on "Feeding Systems for sustainable animal production and Environment". Organised by Uganda Pasture Network (UPANE) and Faculty of Agriculture and Forestry, Makerere University.
- xi)** 29th June-8th July 1993: International Workshop on the use of Microcomputers in science and Mathematics in Science in (ICTP) & MUK.
- xii)** 7th - 8th May 1994: Attended Workshop on "Supervision of postgraduate studies" in the Faculty of science at Makerere University Biological Field Station, organised by Botany, Zoology and Environment.
- xxiii)** 14th - 19th Nov. 1995: Presented a paper on "Seed bank dynamics of *Acacia gerrardii* in Queen Elizabeth National Park." at a Conference organised by NUFU and Faculty of Science held at Mweya, Uganda.
- xxiv)** 5th - 8th December 1995: Represented Botany department at the Strategic Planning Workshop at Makerere University Biological Field station, sponsored by Consortium for International Development (CID) held in Fort-Portal, Uganda.
- xxv)** April 1996: Attended a workshop on "Monitoring Biodiversity and its habitats in protected areas in Uganda", organised by MUIENR/UWA, held at Makerere University
- xxvi)** 13th February 1997: Conducted a seminar on "The use of combined research methods in survey of plant diversity in Forest canopies" at Makerere University, organised by East African Natural History Society.
- xxvii)** 29th -30th April 1997: Presented a paper titled "Species approach to the conservation of plants", at a workshop on Research for conservation" organised by WWF/MUINER held at Makerere University.
- xxviii)** 9th - 13th June 1997: Attended a workshop on Tropical Biology and Fertility Soils (TBFS), organised by the executive committee on TFBS held at Windsor Lake Victoria Hotel Entebbe, Uganda.
- xxix)** 24th - 27th Sept. 1997: Attended a Workshop on "Supervision of postgraduate studies in biological sciences" at MUBFS, organised by MUINER/WWF.

- xxx)** 22nd - 2nd Feb 1998: Participated as a local co-ordinator of an International course on "Introduction to Bryology and Tropical Cryptogam Ecology" at MUBFS, Uganda organised by Imperial College, UK/Darwin Initiative.
- xxxii)** 18th – 13th June 1998: Participated as an Assistant Instructor at an International Course in Wildlife Conservation and Management Course in Uganda, organised by Makerere University Biological Field Station/Smithsonian Institute, U.S.A.
- xxxiii)** 22nd - 5th July 1998: Participated as a botanist in Wildlife and Animal resources management course organised by Faculty Veterinary medicine in Lake Mburo and Queen Elizabeth National Park.
- xxxiv)** 27th - 31st July 1998: Attended training Workshop in Research management Information Systems (INFORM), for University Research Extension co-ordinators and NARO INFROM users, organised by NARO at Makerere University Uganda
- xxxv)** 8th to 21st June 1999: Participated as an Assistant Instructor at an International Course in 'Wildlife Conservation and Management' in Uganda, organised by Makerere University Biological Field Station/Smithsonian Institute, U.S.A.
- xxxvi)** 11th – 15th Sept. 1999: Attended the 7th African Network (AFNET) workshop held in Kampala, organised by the Tropical Soils and Biological Fertility (TSBF) and sponsored by the Rockefeller Foundation and DANIDA.
- xxxvii)** 10th Jun to 5th Jul 2000: Participated as an Assistant Instructor in the "Conservation Biology and Wildlife Management (CBWM)" course, held in at Makerere University Biological Field Station (MUBFS) in Uganda, organised by The Smithsonian Institution, Washington D.C., and MUBFS, Uganda.
- xxxviii)** May, 2001: Participated as an Instructor in the "Conservation Biology and Wildlife Management (CBWM)" course, held in at Makerere University Biological Field Station (MUBFS) in Uganda, organised by The Department of Botany under the Leadership of Dr. John Kasenene with the sponsorship by I@mak.com project, Uganda.
- xl)** 3rd to 5th May, 2002: Presented a paper titled "A B.Sc. Ethnobotany curriculum at Makerere University Kampala, Uganda" at an Ethnobotany Curriculum Development Workshop in Pakistan, organised by WWF – Pakistan, Pakistan
- xli)** 19 – 20th Sept. 2003: Attended and presented a paper titled as "The Orchids Conservation Status in Uganda" at the IUCN Species Survival Commission's Orchid Specialist Group's Afro-Madagascan Orchid Workshop, held at the University of Addis Ababa, Ethiopia.
- xlii)** 20 – 27th Sept. 2003: Attended a conference for the Association for the Study of Tropical African Plants (AETFAT) in Addis Ababa, Ethiopia, organised by the Royal Botanic Gardens, Kew, UK and the University of Addis Ababa.

- xliii)** 21 -25th Feb. 2005: Presented two papers at the Plant Sciences Conference with the theme as “Plant Sciences in Development” organised by Makerere University/NORAD jointly in Makerere University, Kampala, and a member of organising committee.
- xliv)** 25th – 29th July 2005: Attended a training Workshop in Research Management Training Program, conducted by the Society of Research Administrators International, organised by Makerere University Uganda
- xlv)** 16th -18th Oct. 2006: Presented two papers at the Biodiversity and Medicinal Plants Joint Conference with the theme “Biodiversity, Conservation and Community Development” organised by Makerere University/NUFU jointly in Makerere University, Kampala and a member of organising committee
- xlvi)** 13th - 29th June, 2007: Attended the Leadership and Management Skills Training Workshop For Heads of Department held at the Department of Food Science and Technology Conference Hall, Makerere University, Kampala.

After promotion to Assoc Professor on 20th May, 2008

- xlvii)** July, 2008: Attended the planning committee meeting for the African Plant Initiative (API) project held at South African National Biodiversity Institute (SANBI), Kirstenbosch, South Africa.
- xlviii)** November, 2008: Attended the General meeting for all the participating countries in the African Plant Initiative (API) project held at South African National Biodiversity Institute (SANBI), Kirstenbosch, South Africa.
- xliv)** 28th January 2010: Attended a workshop to review principles of Uganda Wildlife Education Centre and Uganda Wildlife Research and Training Institute bills at AirPort View Hotel, Entebbe, organized by the Ministry of Tourism, Trade and industry, Uganda.
- i)** July 12th – 14th 2012: Attended a workshop on Mentoring, at Royal Suites, Kampala, Uganda organized by Makerere University.
- ii)** 28th Sept 2009 – 2nd October, 2009: Attended an E-Learning training at Makerere University Kampala, Uganda.
- lii)** October 11th – 14th 2010: Attended a first Training workshop on Management of Higher Institutions of Learning, Mountains of the Moon Hotel, Fort Portal, organized by the Uganda National Council for Higher Education, in collaboration with the Carnegie Corporation of New York.
- liii)** August 10th – 13th 2012: Attended a second Training workshop on Management and Leadership training of Higher Institutions of Learning, Nile Resort - MADA Hotel, Jinja, organized by the Uganda National Council for Higher Education in collaboration with the Carnegie Corporation of New York.

- liv) April 18th – 21st 2013: Attended a third and last Training workshop on Management of Higher Institutions of Learning, Nile Resort – MADA Hotel, Jinja, organized by the Uganda National Council for Higher Education.
- lv) 11th – 14th July, 2016: Attended a “Career Advisor Training” offered by the Counseling and guidance Center, Makerere University.
- lvi) April 26th – 27th, 2012: Attended a workshop on Research Policy: Building Capacity for Conservation Through Poverty alleviation Project Inception Workshop, Kampala, Uganda organized by Uganda Poverty Conservation Learning Group (PCLG)
- lvii) 01st -07th August 2016: Presented two co-authored papers at the 15th Congress of the International Society of Ethnobiology, with the theme “Ethnobiology Knowledge for Improved Human well-being and Development” organised by Makerere University/ Uganda National Council for Science and Technology/ Buganda Government jointly, and held at Makerere University, Kampala. I was a member of the Organising Committee

Paper 1: Indigenous Knowledge related to ‘Baganda’ Culture for the Conservation of Luggo Cultural Forest, Central Uganda

Paper 2: The Importance of Tree Resources in Rural Livelihoods in the Nile River Floodplains, Kayunga District, Uganda

15. PROFESSIONAL PRACTICE/CONSULTANCIES UNDERTAKEN

- i) Contracted as a Botanist under a contract for the provision of consulting services for study on Enviromental Impact Assessment of Masindi – Apac 33KV 19ne, in 2002.
- ii) Contracted as a Senior Researcher Scientist by the Television For Development (TFD) for the production of an audio-visual documentary of the Lake Victoria Environment Management Project (LVEMP), Uganda.
- iii) Contracted as one of the Senior Researcher Scientist by Tullow Oil-Uganda for the monitoring vegetation restoration in the albertine rift after oil exploration 2014-15.

16. VETTING PAPERS

- i) 2004 – 2014: Vetted manuscripts submitted for publication in the African Journal of Ecology.
- ii) 2016 : African Journal of Rural Development (AJRD), *An On-line Open Access Journal*
- iii) 2016: Biodiversity and Conservation Journal, **An On-line Open Access Journal**

17. PROFESSIONAL ASSOCIATIONS

- i) 1995-1997. Member of the East African Wildlife Society
- ii) 1997 up to date. Member of the Uganda Wildlife Society
- viii) 2005 up to date. Member of the Nature Uganda

18. SERVICE TO THE UNIVERSITY AND THE COMMUNITY

- i) Member of the committee of the departments of Botany that successfully developed and started a new program of B.Sc. in Ethnobotany at Makerere University in 1998.
- ii) Member of the committee of the departments of Botany, Zoology and Faculty of Forestry & Nature Conservation that successfully developed and started a new program of B.Sc. in Conservation Biology at Makerere University in 2001.
- iii) Coordinator of the B.Sc. Conservation Biology programme from 2001 to date.
- iv) Carrying out activities expected of the Head of the Department from April 2002 to October 2008.
- v) Member of Faculty of Science Higher Degrees & Research, Finance Committees and Examiners Board from 2002 to 2008.
- vi) Member of the NORAD – Makerere Program Steering Committee of the Senate 2002 - 2005
- vii) Departmental Coordinator for the Botany – NORAD component of the NORAD Institutional Support to the Makerere University from 2002 – 2005.
- viii) Head of the organising committee for the Makerere/NORAD – ‘Plant Sciences in Development’ Conference held at Makerere University in February 2005.
- ix) Member of the organising committee for the Makerere/NUFU –Biodiversity and Medicinal Plants Joint Conference held at Makerere University Kampala in October 2006.
- x) Coordinator for the African Plants Initiative (API) project funded by the Andrew Mellon Foundation New York in collaboration with Makerere University from 2006 to 2008.
- xi) Chairperson of most of the Department of Botany Committees from 2002 to 2008.
- xii) Member of the Finance and Appointments & Promotions committees of the department of Botany 2002 to date.
- xiii) Coordinator for the Field Attachment for the students of Conservation Biology in department of Plant Sciences, Microbiology and Biotechnology, Makerere University.

19. SERVICE TO THE COMMUNITY

- i) Member of the organising committee for the Church of Uganda Reawakened Fellowship saved Students’ bi-annual National conferences from 1990 to date.
- ii) Member of the organising committee for the Church of Uganda Reawakened Fellowship saved Teachers and Social Workers’ bi -annual National from 2006 to date.
- iii) Member of the team organising the activities for the Youth Ministry based in the Church of Uganda reawaken from 2000 to date.
- iv) Board member for East African Reawakened Revival – Uganda fellowship from 2015 to date.

20. MANAGEMENT ORIENTED REPORTS

i) MUCUNGUZI, P. 2004 – 2008: Annual Reports of the Department of Botany, Faculty of Science

21. COURSES/WORKSHOPS ATTENDED

- i) 31st Jan. to 9th Mar. 1999: Attended the Darwin course in Plant Conservation Strategies for East Africa, held in Nairobi, organised by The Darwin Initiative, UK/British Council/Dept. for International Development, UK
- ii) 2005 – Attended Pedagogy Training for University Lecturers organized by the School of Education, Makerere University
- iii) 2005 – Attended the SRA International Research Management Training organized jointly by Makerere University and SRA International

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Dr Patrick Mucunguzi (Assoc. Prof.) _____ Date: 06/06/2017
[Signature of staff member] *Day/Month/Year*

_____ Date: _____
[Signature of authorized representative of the staff] *Day/Month/Year*

Department of Plant Sciences, Microbiology and Biotechnology (formerly Botany), School of Bio-Sciences, College of Natural Sciences, Makerere University, P.O.Box 7062, Kampala, Uganda.