

---

**Curriculum Vitae - Perpetua Ipulet**  
**PhD Mycology (Mak/Oslo), MSc Env't Sc. (Mak), BSc BOT/ZOO (Mak)**

---

**Personal information:**

**Position:** Senior Lecturer

**Department:** Biological Sciences (Botany Unit)

**Contacts: Tel cel:** +256 772 684754 / 752 684754

**email:** ipulet@yahoo.com; pipulet@cns.mak.ac.ug

**Areas of specialization:**

Microbiology, Applied Microbiology, Plant Pathology, Mushroom farming, Ecology (Fungi / Plants), Biosystematics, Collections management (Fungi / Plants), Plant re-introductions, IUCN Red Listing, EIA, Environmental Audit,.

**Education and key qualifications:**

2002 - 2005 Ph D. (Ecology and diversity of pore fungi in Bwindi and Kibale N. Parks). Mak/Oslo.  
1997 - 1997 International Dip. Plant Conserv. Techniques. Royal Botanic Gardens Kew, UK.  
1989 - 1992 MSc Env't Sc. (Distribution and local uses of genus *Ficus* (Moraceae)) in Buganda. Mak.  
1987 - 1988 Post Grad Dip in Educ PGDE (Biology/Geography). Mak.  
1984 - 1987 B.Sc. (Botany/Zoology), Mak.  
1978 - 1984 O and A Level: Mt. St. Mary's College, Namagunga, Lugazi, Uganda.

**Continuing professional development courses:**

June 2015 Culture collections - Cryopreservation of mycelia. Mak  
Oct 2014 Certificate - International Training Workshop on Edible and Medicinal Mushroom Production  
Oct 2012 Technology. Edible Fungi Institute, Shanghai, Peoples Republic of China.  
Certificate in Advanced spawn making techniques. Aloha medicinals, Nevada, USA  
Oct 2012 Certificate in Biological clean room techniques. Aloha medicinals, Nevada, USA.  
March 2010 Certificate in Mushroom Farming. Nkuruba Integrated Development Association, Kampala.  
June 2007/9 Fungi Taxonomy and Collection Management. Louvain Catholic University, Belgium.  
June 2002, June 2004 Collection and identification of macrofungi (Basidiomycota – Orders Agaricales and Aphylophorales).  
Univ. of Oslo, Norway  
July 2001 Certificate in Tropical African Bryology and Lichenology. University of Nairobi, Kenya.  
1998 Certificate in Earthwatch Fellowship Programme, Cameroon's Rain Forest Botanical Survey, Cameroon.  
June 1997 Certificate in Project Management, Kenya Institute of Management, Nairobi.  
Dec 1994 Certificate in Quantitative Plant and Population Ecology, Aarhus Univ., Denmark.  
April 1994 Computers in Terrestrial Ecology, Institute of Terrestrial Ecology, Monks Wood, U.K.  
Jan-April 1991 Certificate in Taxonomy for Plant Conservation, Univ. of Reading, U. K.

**Areas of Practice:**

- Senior Lecturer – Microbiology, Applied microbiology, Biosafety, Plant pathology, Biosystematics (Plant/animal taxonomy), Plant diversity/Ecology; Coordinating MSc training; Departmental and School Higher degrees and Research committees; Supervision of undergraduates and graduate students; Viva voce examinations; occasionally actng as Dean; Examining graduate theses.
- Environmental Impact Assessment (flora)
- Environment Audit
- GIS ground true-thing - vegetation
- Community Based conservation
- Plant Re-introductions
- IUCN Red listing
- Mushroom farming
- Medicinal Plants conservation
- Biological collections management – herbaria (plants) ,Myco-collections (fungi)

**Membership in Professional Societies:**

- African Mycological Association (AMA)
- Nature Uganda
- Uganda Wildlife Society

**Countries of Work Experience / Visited:**

Belgium, Cameroon, Denmark, DR Congo, Ethiopia, Japan, Kenya, Nevada (USA), Norway, Peoples Republic of China, South Africa, Sweden, Tanzania, U.K.

**Languages:**

Language	Speaking	Writing	Reading
English	Excellent	Excellent	Excellent
Kiswahili	Fair	Fair	Fair
Ateso	Mother tongue	Excellent	Excellent

And some understanding of a few other languages: Luganda, Luo

**Employment Record:**

- Feb 2008 to date  
Employer: Makerere University  
Position Held: Senior Lecturer, Dept. of Biological Sciences – Botany Unit
- Feb 2005 – todate  
Employer: Makerere University  
Position Held: Part Time Lecturer, Dept. of Distance Education
- 2006 – June 2013  
Employer: Makerere University  
Position Held: Part-Time Lecturer, Dept. of Science, Technology and Vocational Education, DSTVE
- 2006 – 2007  
Employer: Makerere University  
Position Held: Part-Time Lecturer, Department of Forest Biology & Ecosystems Management, Faculty of Forestry and Nature Conservation, now CAES
- Aug 2007 – Feb 2008  
Employer: Lugazi University  
Position Held: Head, Dept. of Science
- 1996 - 2004  
Employer: National Museums of Kenya  
Position Held: Research Scientist / Coordinator Training, East African Herbarium
- April 1993 – June 1995  
Employer: Makerere University Institute of Environment & Natural Resources  
Position Held: Research Scientist / Botanist

**Past EIA assignments / Consultancies / Projects:**

Name of assignment: Optimizing mushroom spawn production in Uganda  
Year: 2014-16  
Location: Makerere University  
Client: Agricultural Technology Transfer (AgriiTT)  
Main project features: Training on Mushroom production technology  
Position held: Implementation Partner  
Activities performed: Develop a Mushroom biology course, Establish a Culture collection, Produce a culture collection training manual, Supervise construction of Mak Mushroom Grow house.

-----  
Name of assignment: Ruhezamyenda Catchment Management Plan  
Year: June - August 2015  
Location: Kabale and Kisoro Districts  
Client: Earth Partners under Directorate of Water Resources, Entebbe  
Main project features: Develop a catchment management plan for River Ruhezamyenda

Position held: Plant biologist  
Activities performed: Vegetation survey, local community meetings, stakeholders workshop.

---

Name of assignment: Kampala East Water  
Year: Dec 2014 - March 2015  
Location: Mukono District  
Client: SAVIMAXX under Directorate of Water Resources, Entebbe  
Main project features: Select suitable sites for water abstraction, water pipe, water treatment plant, and the reservoir for Mukono Town  
Position held: Botanist  
Activities performed: Vegetation surveys

---

Name of assignment: Sustainable utilization of wetland resources in the L. Victoria basin.  
Year: April 2011-12  
Location: Lake Victoria basin (Kenya Tanzania, Uganda)  
Client: Lake Victoria Research Initiative (VicRes)  
Main project features: Crafts production, harvesting of wetlands materials, sustainability  
Position held: Botanist  
Activities performed: Meetings with crafts makers/sellers, identification of local crafts materials, workshops.

---

Name of assignment: Community management of Lakes Nakivaale and Kacheera  
Year: August 2011  
Location: Districts of Isingiro and Rakai respectively  
Client: COBWEB project (with Uganda Wildlife Society/IUCN)  
Main project features: Conversion of Community Conservation Areas (CCAs) to CBO's and finally NGOs', management of wetland buffer zones.  
Position held: Consultant  
Activities performed: Consultative meetings with local communities, identification of trees for planting on the lake buffers, planning for tree planting activities and registration of the CBO's.

---

Name of assignment: Social and Environmental Impact Assessment of MTN mast sites  
Audit Year: Sept – Nov 2011  
Location: 37 sites in various parts of Uganda  
Client: SAVIMAXX Ltd  
Main project features: MTN was to erect masts and create access roads to the sites, impacts on flora and fauna were evaluated.  
Position held: Biologist  
Activities performed: Identification of plants and animals, and evaluation of possible impacts.

---

Name of assignment: ESIA's, Environmental audits, Walkovers/scoping  
Year: 2010-2014  
Location: - Kampala - for development of Bweyogerere Industrial Park.  
- Kasese Air strip - conversion to an International Airport.  
- Several Tullow oil exploration sites, proposed staff housing, access roads, water supply routes, restored sites and storage facilities were visited. The sites covered included: Buliisa, Buliisa-Hoima Road, Amuru, Kaiso Tonya, Nwoya, Nzizi; and specific drilling sites: Kigogolo, Kasamene, Ngolobo, Awaka, Wahrindi etc  
- Total North Nile Environment Audit of Murchison Falls 3D Seismic survey (2014)  
- Smart Hotel ESIA, Bombo Road Kampala. (2014)  
- Marriott hotel and Richmond Inn Kololo ESIA (2014)  
- Riley Industries paper recycling and Waste treatment plant, Mukono ESIA (2014)

- River Nyamughasana Hydropower plant Kasese, Scoping (2014)  
Client: Air Water Earth  
Main project features: Identification of flora/fauna; and avoidance, reduction and mitigation of possible impacts.  
Position held: Biologist / Botanist  
Activities performed: Botanical / Zoological surveys

-----

Name of assignment: Kalinzu Forest Research Project  
Year: 2007 - 2010  
Location: Bushenyi District  
Client: Kalinzu Forest Project (Japanese NGO)  
Main project features:  
- 2007 to 2009: *Ficus* project on phenology and population structure.  
- 2009 to 2010: *Warburgia* project – project on conservation of *Warburgia ugandensis*. This tree species is highly medicinal and over-exploitation has drastically reduced its populations. I was looking at sustainability of harvesting and natural regeneration. In close collaboration with Entebbe Botanical gardens, Ex-situ conservation has been done in areas of Kampala, Entebbe, Mukono, Soroti and Arua.  
- 2009 to 2010: *Kalinzu Forest regeneration project* – kalinzu is one of the production forests in Uganda. Activities include mechanical logging, charcoal burning, illegal pit sawing etc. I looked at regeneration in these sites. Data is being analysed.  
Positions held: Researcher / Botanist  
Activities performed: Botanical surveys; forest regeneration surveys; utilization and ex-situ conservation of *Warburgia*, meetings with stakeholders, management of a Plant nursery.

-----

Name of assignment or project: Masaka Bark cloth project  
Year: 2008 to 2009  
Location: Masaka and Rakai districts  
Client: Self sponsored  
Main project features: Sustainable production of bark cloth (Lubugo), and cultivation of *Ficus* species (Mituba). Bark cloth is made from bark of *Ficus* species and the centre of this activity in Uganda is in Masaka.  
Positions held: Botanist  
Activities performed: Survey of *Ficus* species used, local names, sustainability of the bark cloth industry (cultivation practices, training on the art of bark cloth making, quality control, marketing, stakeholder meetings/workshops).

-----

Name of assignment: Capacity building consultancy  
Year: 2006  
Location: Uganda  
Client: Botanical and Zoological Taxonomic Network for Eastern Africa, BOZONET  
Main project features: Assessment of Uganda's biological taxonomic institutions  
Positions held: Botanist  
Activities performed: Survey of capacity in botanical taxonomic institutions in Jinja, Kampala and Mukono

-----

#### Graduate student supervision:

- Domestication of a wild edible *Agaricus* mushroom
- Diversity of amphibians and prevalence of chytrid fungus in Bwindi Impenetrable National Park
- Aflatoxins and Mycotoxins in maize and maize flour in Arua district
- Traditional management practices of diseases of sweet orange (*Citrus sinensis*) in Budaka and Kumi districts
- Grazing as an interface for transmission of *Escherichia coli* in Lake Mburo National Park

- Prevalence and characterization of apple scab disease in Kabale, SW Uganda

**Graduate student examination:**

- Internal Examiner (2014), MSc thesis on 'An assessment of community-based environmental conservation practices and their implications on forestry resources management around Kalinzu forest reserve'.
- Internal Examiner (2015), .....Pumpkins

**Publications:**

- 2014 Ipulet, P. & Muhanguzi, H.D.R. (In press) Composition, demographic structure and hosts of figs in Kalinzu forest, western Uganda. *J. Trop. Ecol.*
- 2012: Asiiimwe, B.G., Macha, J., Obuoyo, J.A. & Ipulet, P. 2012. Sustainable utilisation of wetland resources for enhancement of women's incomes: The case of production and marketing of crafts in the Lake Victoria basin. *Mawazo*, vol.11: 1.
- 2011 Muhanguzi, H. & Ipulet, P. 2011. Fruiting phenology of fig trees in Kalinzu Forest, Uganda. *Afric. J Ecol.* Article first published online: 17 OCT 2011; before inclusion in an issue. DOI: 10.1111/j.1365-2028.2011.01301.x
- 2010 Ipulet, P. 2010. Uganda's Ecological, Industrial and Pathogenic fungi. In *Baseline Report on state of biodiversity in the Nile, Uganda*. Nile Basin Initiative. ISBN 978-9970-148-29-5
- 2008 Ipulet, P. & Kasenene, J. 2008. Diversity of genus *Ficus* (*Moraceae*) in farmlands and pastoral areas in Buganda region, Central Uganda. *Afric. J Ecol.*, 46 (Suppl. 1), 52-58.
- 2007 Ipulet, P. 2007. Uses of genus *Ficus* (*Moraceae*) in in Buganda region, Central Uganda. *Afric. J Ecol.*, 45 (Suppl. 3), 44-47
- 2005 Ipulet, P. & L. Ryvarde. 2005. New and interesting polypores from Uganda. *Synopsis Fungorum*, Vol. 20. *Fungiflora*. Oslo, Norway.
- 2005 Ipulet, P. & L. Ryvarde. 2005. The genus *Tyromyces* in tropical Africa. *Synopsis Fungorum*, Vol. 20. *Fungiflora*. Oslo, Norway.
- 2002 Hankamer, C., Ipulet, P., Clubbe C. & Maunder, M. Capacity Building for Plant Conservation in East Africa: a case study of the National Museums of Kenya - Darwin Plant Conservation Techniques Course. Pg 269 - 295 (Chapter 5). In: Hankamer, C., Maunder, M., Clubbe C. & Groves M., (eds). 2002. *Plant Conservation in the Tropics. Perspectives and Practices*. Royal Botanic Gardens, Kew. UK. ISBN 1 84246 014 5
- 1998 Fuller, R. M, Groom, G. B, Mugisha, S, Ipulet, P, Pomeroy, D, Katende, A, Bailey, R. & Ogutu-Ohwayo, R. The integration of field surveys and remote sensing for biodiversity assessment: a case Study in the tropical forests and wetlands of Sango Bay, Uganda. *Biological Conservation* 86 pp 379 - 391.