

BULAFU COLLINS EDWARD CURRICULUM VITAE

Position(s): Assistant Lecturer

Name of Organisation: Makerere University Kampala,
Department of Biological Sciences
College of Natural Sciences
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Name of Staff: Collins E. Bulafu

Profession: Environmental Scientist/Botanist

Date of Birth: 11th September 1979

Nationality: Ugandan

MEMBERSHIP OF PROFESSIONAL SOCIETIES:

- Uganda National Academy of Sciences (Young Scientists Academy wing-due to be approved)
- Member of the East African Ecological Society
- Member of Nature Uganda
- Member of East African Plant Science Society
- Founding member of Joint Ethno botanical Research Association

KEY QUALIFICATIONS:

Mr. Collins E. Bulafu is a trained terrestrial tropical plants ecologist/botanist with experience in plant taxonomy of higher plants and a biological data analyst. He has special skills in biodiversity related databases such as BRAHMs, Linnaeus II and DBTEXT-Works software's and has successfully digitized important herbarium collections at Makerere University as well as grey literature on Tropical African biodiversity for PROTA FOUNDATION AFRICA. Collins has special interest in plant biodiversity and has been involved in a number of studies working mainly in both Ugandan protected forest reserves

of Mt Elgon, Kibale, Mpanga and Mabira as well as private forest fragments in and around L. Victoria basin including Zika, Kituza, Gogonya, Kisubi forest among others.

Additionally, he has been involved in several trainings at the Makerere University in natural resources conservation and management, natural resources valuation techniques (green accounting) and biosafety and bioethics in environmental research, forest biomass valuation methodologies (carbon mapping) as well as Environmental Impact Assessments (EIA) studies and has recently applied to NEMA to be a certified EIA practitioner and auditor. He has also been a key member on the National taskforce responsible for generating the National medicinal plants priority list for conservation among others. Other engagements include community environmental awareness training and mass tree planting on degraded areas in central Uganda and he is an active ISR. He holds a M.Sc. (Botany) in Natural Resources Management and Ecology from Makerere University in Uganda.

EDUCATION:

2010-2014: Ph.D.Submitted, Makerere University Kampala, Uganda.

2002-2006: M.Sc. (Botany)-Natural Resources Management and Ecology, Makerere University Kampala, Uganda.

1998-2002: B.Sc.(Hons)(Botany major and Zoology minor), Makerere University Kampala, Uganda.

OTHER RELEVANT TRAINING AND AWARDS:

Summer 2012: Bergen Summer Research School-BSRS, Norway: Student: Effect of climate change on terrestrial and marine ecosystems

September 2011: Certificate in Use of Biodiversity information management using Linnaeus II software, Uganda National Council of Science and Technology (UNCST)

Summer 2009: Bergen Summer Research School-BSRS, Norway: Student: Effect of climate change on terrestrial and marine ecosystems

August 2006: Certificate in the use of Botanical Research and Herbarium Management System (BRAHMS), National Museums of Kenya.

KEY ASSIGNMENTS CARRIED OUT:

- Team member (MATRIX project): Assessment of plant diversity and distribution in forest fragments in and around L. Victoria. 2009-2010.
- Resource person on the National Medicinal priority list workshop organized by BGCI and Makerere University Herbarium. 2010.
- Team member on the Data-basing of grey literature on Tropical African plants managed by PROTA FOUNDATION AFRICA Uganda regional office. 2002-2010.
- Resource person on the Database Techniques for African grey literature for country contact persons organized by PROTA Uganda regional office. 2009.
- Resource person on the Herbarium Database Techniques for interns and students at Makerere University Herbarium. 2008
- Team member API project: Digitization of timber, medicinal, endemic, rare, invasive and economically important species for Uganda. (2005-2010).

TEACHING EXPERIENCE:

Makerere University Kampala.

1. Teaching assistant: *Natural resources and conservation ecology, Natural resources valuations techniques, Forest resources economics, policy and regulations, Biosafety, Bioethics and Bio-policy* (2013-2014).
2. Teaching assistant: *Conservation biology, Physiological Ecology and Higher Plants* (2007-2009).

PEER-REVIEWED PUBLICATIONS:

C. Bulafu, D. Baranga, P. Mucunguzi, R.J. Telford & V. Vandvik. (2013). *Massive structural and compositional changes over two decades in forest fragments near Kampala, Uganda.* Ecology and Evolution, DOI - 10.1002/ece3.747.

C. Bulafu, D. Baranga, P. Mucunguzi, A.E. Eycott, R.J. Telford & V. Vandvik: (2013). *Structural changes are more important than compositional changes in driving biomass change in Ugandan forest fragments*. Journal of tropical forestry and Environment, **3(02)**, 23-38.

Bulafu, C.E., P. Mucunguzi, and E.K. Kakudidi, *Diversity and distribution of wild terrestrial orchids of Mt Elgon forest national park, eastern Uganda*. African Journal of Ecology, 2007. **45**: p. 21-28.

CONFERENCE PAPERS:

Bergen Summer Research School-BSRS: *Effect of climate change on terrestrial and marine ecosystems* (2009).

Bergen Summer Research School-BSRS: *Massive structural and compositional changes over two decades in forest fragments near Kampala, Uganda* (2012).

Ecological Society of Germany, Switzerland and Austria conference 2012, at Lüneburg University, Germany: *Massive structural and compositional change over two decades in forest fragments in Uganda*.

SCHOLARSHIPS:

2009 – 2013: PhD scholarship from Norwegian Research Council (MATRIX PROJECT) administered under the UIB-Mak collaboration agreement.

2002 – 2005: MSc scholarship from NORAD project and administered under the Biodiversity program under Department of Biological Sciences, Makerere University.

1998 – 2001: BSc (Hon.) funded by the Republic of Uganda.

RESEARCH AFFILIATIONS:

Graduate student associate, Ecological and Environmental Change Research Group (EECGR), University of Bergen Norway.

SKILLS AND TECHNIQUES:

Bioanalysis using R-software and ArcGIS Analysis (beginner), database management using DBTEXT works, Linneaus II, and BRAHMS softwares.

FIELDS OF INTEREST:

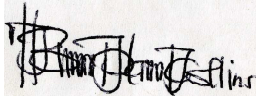
- Ethnobotany/ecology
- Forest fragment dynamics
- Impact of climate change on terrestrial ecosystems
- Carbon mapping and ecosystem services payments scenarios
- Tropical terrestrial ecosystems ecology / Natural Resource Management and conservation
- Natural resource valuation and Green accounting
- Biodiversity information systems
- Invasive species research

LANGUAGES:

Language	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Luganda	Excellent	Excellent	Fair
Swahili	Good	Fair	Poor
Lusoga	Good	Fair	Fair
Lugisu	Good	Good	Good
Samia	Good	Good	Fair

CERTIFICATION:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describes me, my qualifications and my experience.

A handwritten signature in black ink, appearing to read "B. J. Collins", is centered on the page.

25/July/2014