

Curriculum vitae **Moses KAKUNGULU**

Faculty of Natural Resources and Environmental Sciences,
Busitema University,
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Telephone: +256777893211 / +256702671138

Name : Kakungulu Moses (PhD)
Profession : Natural Resource Economist
Sex : Male
Nationality : Ugandan
Date of birth : 2nd February 1978
Marital status : Married
Languages: : English (fluent)
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CAREER PROFILE

- Earned a PhD in Bioscience engineering from KU Leuven, Belgium, with a specialization in rural livelihoods and sustainable land management in Uganda's Mount Elgon region.
- Completed a Master's degree in Economic Policy and Planning at Makerere University.
- Possess extensive expertise in areas of environmental and natural resources economics, environmental and social impact assessment, ecological modeling, Climate Change Impacts Assessment, and rural livelihood studies.
- Equipped with strong training in quantitative research methods, including competencies in survey design, data management, statistical analysis, and comprehensive report writing.
- Well-versed in natural resource valuation methods, including cost-benefit analysis, contingent valuation, and various economic modeling techniques.
- Have taught across several Higher Education Institutions (HEIs), delivering courses in Natural resource economics, Environmental economics, Econometrics, Ecological economics, Climate change economics, Microeconomics, Macroeconomics, Production Economics and Quantitative research methods.
- Successfully supervised a number of undergraduate and postgraduate research projects.
- Developed advanced policy and analytical capabilities through both academic and professional experience, particularly in economic modeling, applied research, and policy development.

LANGUAGE SKILLS

Language	Reading	Speaking	Writing
English	Excellent	Excellent	Excellent
Luganda	Good	Excellent	Good
Lusoga	Fair	Fair	Fair
Lugwere	Good	Excellent	Good

EDUCATION

Period	Qualifications and awarding Institution
2016- 2025	PhD in Bioscience Engineering (March, 2025) from KU Leuven, Belgium. PhD research topic is “Rural livelihoods and sustainable land management in the Mount Elgon region, Eastern Uganda”.
2006- 2009	MA in Economic policy and Planning from Makerere University (2009).
1999-2002	BSc. with Education (Economics and Mathematics), Upper second honours from Makerere University (2002)
1997-1998	Uganda Advanced Certificate of Education (UACE) offered by Uganda National Examinations Board (1998).
1993-1996	Uganda Certificate of Education (UCE) offered by Uganda National Examinations Board (1996).

PROFESSIONAL EXPERIENCE

2011 to date: Busitema University- Uganda.

- Lecturer, Faculty of Natural Resources and Environmental Sciences, Busitema University.
- I teach courses including Natural resource economics, Production economics, Environmental economics, Econometrics, Microeconomics, Macroeconomics, and Quantitative research methods.
- Supervise undergraduate and postgraduate research projects.
- Currently serving as Acting Deputy Dean, Faculty of Natural Resources and Environmental Sciences.

2016 to March, 2025: Leuven- Belgium

- Sandwich PhD research fellow, Department of Earth and Environmental Sciences (Division of Bio-economics), KU Leuven University, under the supervision of Prof. Miet Maertens and Prof. Liesbet Vranken.
- Researched on Rural Livelihoods and Sustainable land management in the Mount Elgon region, Eastern Uganda.
- Integrated environmental and socioeconomic survey data with GIS datasets, and applied Econometric modeling techniques using Stata.

2016-2018: Mount Elgon region- Uganda

- Conducted field research in in the Mount Elgon region under the project Rural livelihoods and Sustainable Land Management (funded by VLIR-UOS).
- Designed and implemented a household and village socioeconomic survey
- Supervised and managed a team of 20 enumerators during fieldwork.

2008- 2020: Uganda Martyrs University

- Lecturer, Faculty of Business Administration and Management, Department of economics.
- Taught courses including Econometrics, Microeconomics, Macroeconomics, mathematical economics, Development economics and Quantitative research methods.
- Supervised undergraduate and postgraduate research projects.

2003- 2010: St Peter's SSS Nsambya

- Taught Economics and Mathematics.
- Served as Head of Department, in charge of examinations.

TRAINING COURSES/WORKSHOPS/SEMINARS ATTENDED

Period	Training courses/Workshops/ Seminars attended
March, 2026	Two days Staff training workshop on aligning academic Programmes to Competence Based Education (CBE) organized by Faculty of Natural Resources and Environmental Sciences, Busitema University in Tororo, Uganda
September, 2025	Staff training workshop on Competence Based Education (CBE) organized by Busitema University in Tororo, Uganda
August, 2025	Two days workshop on Digital Timetable system conducted at Busitema University main campus-Tororo, Uganda
December, 2022	One day workshop held at Namasagali campus on ODEL refresher training program on uploading course materials to the LMS (BUOLE); Asynchronous facilitation of online courses; and Online assessment.
November, 2022	Two days Pedagogical skills training workshop for Academic staff organized by Faculty of Natural Resources and Environmental Sciences, Busitema University
June, 2022	One day Faculty grants management committee workshop organized by Busitema University, held at Faculty of Health Sciences, Mbale.
February, 2022	Three days National Multiplication Training (NMT) workshop for Diversity management in Higher Education Institutions (HEIs) to be held at Kyambogo University.
March 2015	Staff Development Workshop on Program Assessment organized by National Council for Higher Education (NCHE) in Seeta- Mukono, Uganda
3 rd August 2013	Orientation to Case Study Teaching Course (OCST) organized by Partnership for African Social and Governance Research (Pasgr) in Nairobi, Kenya

4 th August 2013	Alternative Pedagogical Approaches Course organized by Partnership for African Social and Governance Research (Pasgr) in Nairobi, Kenya
5 th -8 th August 2013	Workshop on Curriculum development for the Collaborative Masters of Research and Public Policy Programme (MRPP) organized by Partnership for African Social and Governance Research (Pasgr) in Nairobi, Kenya
9 th to 15 th June 2013	Agro-Ecology in Practice Training of Trainer's course organized by Uganda Martyrs University and funded by SIDA at Ridar Hotel Seeta
April 2013	Workshop on Management and Leadership of Universities Training Programme organized by National Council for Higher Education at Nile Resort Hotel Jinja
May 2012	Training workshop on writing and Designing New programmes organized by National Council for Higher Education at Uganda Martyrs University-Nkozi
November 2011	Training workshop on Postgraduate Research Supervision organized by REAL Alumni Uganda with funding from DAAD/DIES
29 th June to July 2010	Official Seminar on Climate Change for Asian and African countries (OSCC) organized by Human Resources study and Training Center of Development Research center of the State Council, Beijing-China
June 2009	Certificate in Data Analysis using STATA/SPSS (Makerere University, Institute of Statistics)

TEACHING EXPERIENCE IN THE FACULTY SINCE 2011

The following are the courses I teach under different programs at undergraduate and post graduate levels in the Faculty of Natural Resources and Environmental Sciences.

Course Unit/ Module	Program	Level
NRE2102: Econometrics	BSc in Natural Resource Economics	Undergraduate
MEE8103: Natural Resource economics	MSc in Environmental Economics	Postgraduate
MEE8104: Ecological economics	MSc in Environmental Economics	Postgraduate
MCC8107: Resource and Environmental economics	MSc in Climate change and Disaster Management	Postgraduate
MCC8201: Mathematical Modeling and Econometrics	MSc in Climate change and Disaster Management	Postgraduate
MEE8201: Econometrics	MSc in Environmental Economics	Postgraduate

RESEARCH ACTIVITIES

Research activities including supervision of both undergraduate and post graduate students in the Faculty of Natural Resources and Environmental Sciences.

Research projects conducted.

Period	Position held	Project title	Funder
2016 to 2015	PhD Researcher	Sustainable land use and resilient livelihoods in the landslide-prone region of Mount Elgon, Uganda	Vliruvs, Belgium
2022 to 2023	Project Team member/ Social Economist	Women the frontiers of Climate change. A case of Butaleja district, Eastern Uganda	Busitema University Research and Innovation Fund (BURIF)
2023	Principal Investigator (PI)	Adoption of flood disaster Risk Reduction strategies in Butaleja district, Eastern Uganda	Faculty of Natural Resources and Environmental Sciences (Research Fund)
2025 to 2026	Principal Investigator (PI)	Integrating Ecological Approaches and Economic Instruments for Gender-Responsive Climate resilience in Uganda's Lake Victoria Basin	Busitema University Research and Innovation Fund (BURIF)

Publications in internationally peer reviewed journals

Kakungulu, M., Isabirye, M., Akoyi, K.T., Van Hoyweghen, K., Vranken, L., and Maertens, M. (2021): Changing Income Portfolios and household welfare in rural Uganda. *Agrekon*, 60 (3): 227-242. DOI: 10.1080/03031853.2021.1939743

Nakiyemba, A., Kinobe, Z., Kakungulu, M., Nyangoma, I. and Masaba, S. (2025). Women's knowledge and perception of flood disasters in Butaleja district, Uganda. *Progress in Disaster Science*, 25(1). 100399

Ssepuuya, G., Nsiyona, E., Kakungulu, M., Alowo, J.F., and Nampala, P. (2023). Food waste supply and behaviour towards its alternative uses in Kampala city, Uganda. *Sustainable Environment Research*, 33 (34). doi.org/10.1186/s42834-023-00195-6

Conference presentations

Kakungulu, M. and Nakiyemba, A. (2025). Understanding the integrated adoption behavior of flood disaster risk reduction measures in Butaleja district, Eastern Uganda. The 3rd Busitema University Symposium, Mbale City, Uganda, from 14th to 16th October 2025.

Kakungulu, M., Isabirye, M., Vranken, L., Poesen, J., Deckers, S. and Maertens, M. (2018). Who should diversify? Income portfolios and household welfare in rural Uganda. International Conference on global food security and food safety. The role of universities. Tropentag, September 17-19, 2018, Ghent.

Seminar presentations

Kakungulu, M. (2022). Private Sustainability Standards, Women empowerment and Fertility in rural Uganda. Online seminar presented on 22/04/2022, at the Division of Bio economics, KU Leuven, Belgium.

Kakungulu, M. (2018). Who should diversify and move out of Agriculture? Income portfolios and household welfare in rural Uganda.” Seminar presented on 12/01/2018, at the Division of Bio economics, KU Leuven, Belgium.

Supervision of Masters research projects.

S/No	Name and Reg. No	Research topic	Year of completion
1	Wakalanga Sulayi (BU/GS18/MCC/30)	Socio-economic effects of landslides in Bududa district, Mount Elgon region	2025
2	Nyangoma Immeldah (BU/GS22/MEE/1)	Gender analysis of human-forest interactions for the surrounding communities of Bugoma forest in Kikuube district	2024
3	Naturinda Zerubabeeli BU/GS16/MCC/17	Economic value of Mount. Elgon forest ecosystem services. A case of Bududa and Kapchorwa districts, Uganda.	2018
4	Awori Mary Immaculate BU/GS16/MCC/03	An assessment of potential reward mechanisms for conserving river Manafwa watershed in Mount. Elgon, Uganda.	2018
5	Mabiriizi Julius BU/GS14/MCC/06	Factors affecting the adoption of Climate change mitigation strategies. A case of Briquette technology in Mubende district	2018
6	Namazzi Betty BU/GS14/MCC/009	Climate change and Sugarcane productivity in Uganda. Implications on livelihood	2017

Supervision of Undergraduate special research projects

S/No	Name and Reg. No	Research topic	Year of completion
1	Odokonyero Geoffery Onen (BU/UP/2022/1222)	Assessing the adoption of Aquaculture among Smallholder farmers in Pader district	2025
2	Otigo Moses BU/UP/2020/0706	Rainfall variability and coffee production in Kikuube district	2024
3	Wanyama Emmanuel BU/UP/2021/0459	The effect of temperature variability on maize production in Namalemba sub county, Bugweri district.	2024
4	Nanumba Eryoti BU/UP/2021/2643	Assessing fish production in Earthern ponds in Iganga district	2024
5	Ayesiga Micheal BU/UP/2019/1491	Assessing the benefits of Climate change adaptation measures for small scale farmers. A case of Pakanyi sub county, Masindi district.	2023
6	Lule Moses BU/UG/2019/0072	Barriers to Climate change adaptation among crop farmers in Kamuli district. A case of Namasagali sub county.	2023
7	Amedo Omar BU/UG/2018/1926	Economic value of Bugungu game reserve to the surrounding communities. A case study of Bugungu game reserve	2022
8	Magoba Tracy Deborah BU/UG/2017/39	Assessing the impact of sugarcane growing on food security in the Eastern region. A case study of Namasagali Sub-county, Kamuli district	2020
9	Muswabu Ayubu BU/UG/2016/56	Economic valuation of central forest reserves. A case of Kyahi central forest reserve in Kakiika division, Mbarara district	2019

COMMUNITY ENGAGEMENT

I have been involved in serving the Busitema University community and beyond in various capacities as follows.

Period	Roles and Responsibilities
2025 to date	Ag. Deputy Dean- Faculty of Natural Resources and Environmental Sciences
2021 to date	Member of the Higher Degrees Committee- Faculty of Natural Resources and Environmental Sciences
2021 to date	Member of the Faculty Finance Committee- Faculty of Natural Resources and Environmental Sciences
2021 to date	Faculty research coordinator, in the Faculty of Natural Resources and Environmental sciences
2021 to date	Committee member, Busitema University Health Services Committee, representing staff.
2023 to date	Vice chairperson: Busitema University Academic Staff Association (BUASA)
2024 to date	Vice Chairperson: Bishops Senior School Mukono, Alumni Investment Club
2021 to date	Member: Lubugumu Neighborhood Club (LNC)
2022 to 2025	Ag. Head of Department- Environmental Planning and Management, Faculty of Natural Resources and Environmental Sciences
2023 to 2024	Team member: Developing PhD program in Natural Resources and Environmental Sciences
2023 to 2024	Lead person: Review of Master of Science in Environmental Economics
2023 to 2024	Team member: Developing a Master of Science program in Fisheries science and Management
2023 to 2024	Team member: Developing a Master of Science program in Sustainable Aquaculture
2022 to 2024	Team member: Developing a Master of Science program in Natural Resources and Environmental Governance
2021 to 2023	Team member: Reviewing the Bachelor of Science program in Natural Resource Economics
2021 to 2023	Team member: Reviewing the Bachelor of Science program in Fisheries and Water Resources management
2021	Committee member: Faculty Program Audit committee to review the academic programmes under the Faculty of Natural Resources and Environmental Sciences
2012	Member of the task force: Mandated to develop a business plan for commercialization of Busitema University assets.

COMMUNITY OUTREACH

Period	Outreach activities Conducted
May to July, 2025	<p>Conducted field internship supervision for a BSc. Natural Resource Economics students attached to Joint efforts to save the environment (JESE) in Kyegegwa district. Activities supervised include:</p> <ul style="list-style-type: none"> • Ecosystem restoration and conservation projects across the district. • Monitoring and inspecting wetlands, forests, catchments, and other fragile ecosystems for sustainable management. • Reforestation and afforestation initiatives in the district.
May to July, 2024	<p>Conducted field internship supervision for a BSc. Fisheries and Water Resources students attached to Matugga Fish Farm in Wakiso district. Activities supervised include:</p> <ul style="list-style-type: none"> • Fish feeding, fry and fingerling stocking, harvesting, grading, and sexing, including sex reversal treatments. • Records keeping for brood stock, fry, and fingerling stocks. • Hapa and pond setup, cleaning, repairs, and water quality testing. • Fry and fingerlings for sale through conditioning and packaging.
May, 2024	<p>Conducted a three days field work with MSc Climate Change and Disaster Management (MCC) and MSc. Environmental Economics (MEE) students to Butalejja, Manafwa, Bulambuli and Kapchorwa districts. Activities covered include:</p> <ul style="list-style-type: none"> • Assessed environmental challenges and best practices for sustainable management in host districts. • Evaluated climate risks and disaster mitigation, preparedness, and recovery interventions. • Conducted site assessment of a landslide hotspot in Bumakari Parish and documented damages to property, crops, livestock, and infrastructure. • Reviewed and supported mitigation measures such as household relocation, community sensitization, early warning systems, and NGO assistance
March, 2023	<p>Conducted field internship supervision for a BSc. Natural Resource Economics students attached to Kyengera town council, Wakiso district Local Government, Department of Natural Resources and Environment. Activities supervised include:</p> <ul style="list-style-type: none"> • Review of environmental laws, policies, and EIA/NEMA reports. • Field inspections and report writing on quarries, wetlands, road construction, and development projects. • Data collection on environment and wetland pollution • Community sensitization on wetland conservation.
February, 2023	<p>Conducted field internship supervision for a BSc. Natural Resource Economics students attached to Ministry of Water and Environment, Directorate of Environment affairs (Forest Sector support Department). Activities supervised include:</p> <ul style="list-style-type: none"> • Field visits for NFA tree seedling centre (Namanve). • Review of forestry curricula, ministerial policies, National Tree Planting Act, and National Forest Policy/Plan. • Sustainable charcoal and water/environment planning.

July, 2022	<p>Conducted a four days field work with MSc Climate Change and Disaster Management (MCC) and MSc. Environmental Economics (MEE) students to Buliisa, Kasese and Isingiro districts. Activities covered include:</p> <ul style="list-style-type: none"> • Assessed oil and gas development activities and their impacts in Buliisa district, including mitigation measures for sustainability. • Investigated environmental, conservation, and climate-related challenges in Kasese and Isingiro districts. • Documented best practices for sustainable land management and post-disaster recovery interventions in Kasese and Isingiro districts .
May-June, 2019	<p>Conducted field internship supervision for a BSc. Natural Resource Economics student attached to the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF)-Entebbe: Crop Production Department. Activities supervised include:</p> <ul style="list-style-type: none"> • Field visits to rice irrigation projects in Entebbe. • Stakeholder meetings on rice production and National Rice Development Strategy. • Monitoring and evaluation of irrigation schemes. • Analysis of wetland conversion for rice production.

REFREES:

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4. Prof Moses Isabirye
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Certification: I Kakungulu Moses certify that to the best of my knowledge and belief, the information provided in this document correctly describes me, my qualifications and experience.



Dr. Kakungulu Moses (PhD)

April, 2026