

CURRICULUM VITAE

Dr. Masaba Sowedi

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Profession: Academic, Disaster Risk Management Specialist and Administrator

Brief Resume

Dr. Sowedi Masaba is a Senior Lecturer in the Faculty of Natural Resources and Environmental Sciences at Busitema University. He was born and raised in a rural setting in the Mount Elgon region of Eastern Uganda. Sowedi holds a PhD in Environmental Governance and Management from University of Nairobi (2018), Master of Science in Environment and Natural Resources from Makerere University (2002), and Bachelor of Arts with Education (Economics/Geography) from Islamic University in Uganda (1995). Sowedi has 30 years of teaching experience at University level where he has taught various graduate and undergraduate courses, including: Hazard and Risk Assessment, Early Warning Systems, Disaster Risk Planning and Coordination, Environmental Policy, Law and Governance, and Climate Change. Sowedi has supervised several graduate students' research projects, and published peer reviewed articles. Sowedi is an excellent facilitator, and is actively involved in community service. He has also held several leadership positions as Faculty Dean, Deputy Dean, Head of Department, and Chairperson of the Faculty Higher Degrees and Research Committee. He can be contacted at: Faculty of Natural Resources and Environmental Sciences, Busitema University, P.O BOX 236, Tororo, Uganda +256 772518378/+256 701518378. Email: masabasowedi@yahoo.co.uk / sowedimasaba@gmail.com / smasaba.nres@busitema.ac.ug

DETAILED CURRICULUM VITAE

PERSONAL INFORMATION

Name: Dr. Sowedi Masaba
Date of Birth: December 25, 1970
Place of Birth: Mbale, Uganda
Nationality: Ugandan
Marital Status: Married with Four Children
Languages: Lumasaba (Native), English (Very Good),
Kiswahili (Basic), Arabic (Basic)
Current Positions: Senior Lecturer/Dean, Faculty of Natural
Resources and Environmental Sciences,
Busitema University
Physical Address: Plot 21 Lwakaka Lane, Masaba Cell, Masaba
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EDUCATIONAL BACKGROUND

2013 to 2018: PhD (Environmental Governance and Management), University of Nairobi, Kenya.
Thesis title: Evaluating institutional capacity for landslide disaster risk reduction: A Case Study of
Mount Elgon region, Uganda.

1996-2002: Master of Science (Environment and Natural Resources), Makerere University, Uganda.
Dissertation title: An economic valuation of alternative wetland uses to the local community. A Case
of Namatala wetland.

1991- 1994: Bachelor of Arts with Education (Economics and Geography - Second Class Upper
Division), Islamic University in Uganda.

1988-1991: Uganda Advanced Certificate of Education, Masaba Secondary School, Sironko District,
Uganda.

1984-1987: Uganda Certificate of Education, Nkoma Secondary School, Mbale District, Uganda.

1977- 1983: Primary Leaving Examinations Certificate, Bumboi Primary School, Mbale District,
Uganda.

OTHER TRAININGS

September 9-15, 2024:
Effective Supervision of Graduate Students. Organised by African Institute for Capacity
Development (AICAD).

October - November 2023:

Digital Pedagogy and Instructional Design organized by Cyber School Technology Solutions and 8Tech Consults at Busitema University, Uganda.

October-November, 2019:

Integrated Disaster Risk Reduction Science and Action, and Hydrological Urban Risk, African Risk Methods School organized by PERIPERI U in collaboration with Bahir Dar University and UNESCO, Addis Ababa, Ethiopia.

March, 2014:

PhD Course on “Global challenges in food security: Theories and methods in conservation, development and communication” organized by the Swedish University of Agricultural Sciences at the Green Belt Movement Training Centre, Nairobi, Kenya.

October 2009:

GEONETCAST: Water and Natural Resources Management. Makerere University, Uganda.

August, 2006:

Specialists Training Workshop on Writing for Publication, Fundraising and Communicating results organized by The Tropical Biology Association, Makerere University, Uganda.

October - November 2000:

Training of Trainers Course organized by Uganda Institutional Capacity Building Project and Crown Agents, Kampala, Uganda.

January 2000:

Rural Entrepreneurship and Leadership Training of Trainers Workshop organized by the National Youth Council and Uganda National Students Association, Mbale, Uganda.

October 1991:

Basic Cadre Development Course. National School of Political Education, Uganda.

PROFESSIONAL WORK EXPERIENCE:

LEADERSHIP

July 1st 2025 to date:

Dean, Faculty of Natural Resources and Environmental Sciences, Busitema University. Responsible for providing academic and administrative leadership to the Faculty.

July 2021 to June 2025:

Deputy Dean, Faculty of Natural Resources and Environmental Sciences, Busitema University. Deputized the Dean to provide academic and administrative leadership in the Faculty.

2020 to April 2022:

ODEL Coordinator, Faculty of Natural Resources and Environmental Sciences, Busitema University.

July 2018 to December 2021:

Head, Department of Environmental Planning and Management, Busitema University. Responsible for providing academic and administrative leadership to the Department.

August 2017 to June 2025:

Chairperson, Faculty of Natural Resources and Environmental Sciences Higher Degrees and Research Committee, Busitema University. Responsible for providing leadership to the Faculty Higher Degrees and Research Committee.

TEACHING

August 2019 to date:

Senior Lecturer, Faculty of Natural Resources and Environmental Sciences, Busitema University. I teach the following Postgraduate courses: Hazard and Risk Assessment; Early Warning Systems, Disaster Planning and Coordination; Environmental Law, Policy and Governance. I also teach the following Undergraduate courses: Mineral Resources.

August 2010 to July 2019:

Lecturer, Faculty of Natural Resources and Environmental Sciences, Busitema University. I taught the following Post graduate courses: Disaster Risk Assessment and Management; and Ecological Debt, Environmental Law and Policy. Also taught the following undergraduate courses: Environmental Policy; Natural Resources and Environmental Law; New Institutional Economics; Environmental Ethics; Ecological Economics; Environmental Impact Assessment and Social Safeguards; Climatology; and Climate Change.

August 2007 to July 2010:

Lecturer, Faculty of Forest Science and Environment Management, Ndejje University. I taught the following Post graduate course: Environmental Management. Also taught the following undergraduate courses: Environmental Policy and Law; Environment and Natural Resource Economics; Environment and Sustainable Development; Environmental Education; and Environmental Impact Assessment.

April 2003- July 2007:

Lecturer, Department of Geography and Environmental Studies, Islamic University in Uganda. Taught the following undergraduate courses: Environmental Economics; Environmental Impact Assessment; and Environment and Development.

January 1995- March 2003:

Teaching Assistant, Department of Geography, Islamic University in Uganda. Conducted tutorials for the following undergraduate courses: Climatology; Geomorphology; and World Physical Environmental Systems.

RESEARCH PROJECTS AND GRANTS

October 2023 to 2024:

Principal Investigator for Busitema University Research Fund Project titled “Bamboo for Flood Risk Reduction in Butaleja District, Eastern Uganda”. Grant No. BURIF/MGC/08/2023/4. UGX 20,000,000

January 2023 to 2024: Principal Investigator for Busitema University, Faculty of Natural Resources and Environmental Sciences Funded Research Project titled “Local Community Response to Flood Early Warnings in Mbale City, Eastern Uganda”. UGX9,870,000.

September 2022 to August 2023:

Co-Principal Investigator for Busitema University Research Fund Project titled “Women, the frontliners of climate change. A case of Butaleja District, Eastern Uganda”. Grant No. 7/DGSRI/2022/2023. UGX25,000,000.

September 2014 to 2017: Principal Researcher for PhD Research Project titled “Evaluating institutional capacity for landslide disaster risk reduction: A Case study of Mount Elgon region, Uganda”. Busitema University/ADB HEST Research Grant. UGX20,000,000

February 2010: Research Assistant, Lake Victoria Research Initiative (VICRES). I was responsible for collecting field data for a project titled “To conserve or convert Lake Victoria wetlands. An Economic Valuation”.

October 2003: Research Assistant, Network of Ugandan Researchers and Research Users (NURRU) project titled “Towards privatization of garbage collection in Kampala City, Uganda”. I was responsible for field data collection.

December 1999:

Research Assistant, World Conservation Union, Uganda Country Office. I was responsible for collecting and analyzing data, and updating the Environmental NGOs/CBOs database.

January-December 1998: Principal Researcher for MSc. Research Project titled “An economic valuation of alternative wetland uses to the local community. A case of Namatala wetlands”. USAID/GMU Research Grant. UGX5,000,000.

RESEARCH SUPERVISION

1. Kiprop Julius Kapkwomu (2023-2025). Impact of integrating indigenous and scientific weather forecasting on resilience to extreme weather events among fishing communities in Jinja. Graduated 2025.
2. Olupot Justin (2019-2025). Effect of climate change on smallholder farmers’ livelihoods in Manafwa District. Graduated 2025.
3. Oriada Mathias Oseku (2020-2024). Impact of Climate Variability on Millet Production in Pallisa District. Graduated 2025.
4. Mugumya Phillipson (2022-2024). Effect of Collaborative Forest Management on Carbon Stocks, Tree Diversity and Stem Density in Mabira Central Forest Reserve. Graduated 2025.
5. Kibira Walliyah Nabukeera (2023-2024). Assessing wetland health through decomposition. A case study of Lubigi and Nambirigwa wetlands, Uganda. Pan African University, Life and Earth Sciences Institute (Including Health and Agriculture), University of Ibadan, Nigeria. Graduated 2024.
6. Basaliza E. (2017-2019). Ecosystem Based Adaptation to drought among agro-pastoral farmers in Kayunga District. Busitema University, Uganda. Graduated 2020.

7. Khanzila P. (2015-2018). Implications of petroleum developments on land use change in Hoima and Buliisa Districts. Uganda. Busitema University, Uganda. Graduated 2018.

THESIS/DISSERTATION EXAMINATION (2019 TO 2025)

External Examiner to Mr. Gesa Isaac (Master of Arts in Geography, Kyambogo University). Dissertation title “Assessment of extreme rainfall events and adaptation of households in River Namatala Catchment, Kyoga Basin.

Internal Dissertation Examiner for following MSc. Climate Change and Disaster Management students at Busitema University: Ngorok Simon Peter, Okot Gabriel Agiro, Kirunda Samuel, Muhammad Semambo, Esther Naigaga, Ronald Lotet, Alex Busagwa, Harriet Kabasindi, Atino Juliet, Mugisha Pascal and Ojara Moses.

SELECTED PUBLICATIONS

1. Turyahabwe R., Andama E., **Masaba S.**, Mulabbi A., Alwin. (2025). Ecological Restoration Capacity of River Nakiyanja Wetland System from the Effects of Motor Vehicle Washing Bays, along River Nakiyanja, Central Uganda. <https://doi.org/10.22236/jgel.v9i2.18374>
2. Phillipson, M., Moses, I. and **Sowed, M.** (2025) Effect of Collaborative Forest Management on Carbon Stocks, Species Diversity and Stem Density in Mabira Central Forest Reserve, Uganda. *Open Journal of Forestry*, 15, 53-68. <https://doi.org/10.4236/ojf.2025.151004>
3. Nakiyemba A., Kinobe Z., Kakungulu M., Nyangoma I. & **Masaba S.** (2025). Women’s knowledge and perception of flood disasters in Butaleja District, Uganda. *Progress in Disaster Science*. 25 (100399). <https://doi.org/10.1016/j.pdisas.2024.100399>
4. Kibira, W. N., Aremu, A., & **Masaba, S.** (2024). Assessing Wetland Health Through Decomposition in Degraded and Semi-Intact Wetlands in Uganda. *East African Journal of Environment and Natural Resources*, 7(2), 17-34. <https://doi.org/10.37284/eajenr.7.2.2285>
5. Nakiyemba A., Musobya M., & **Masaba S.** (2023). A New Learning Experience of Training in the Social Sciences Using Online Platforms in Low-Resource Settings: A Pandemic Experience at Busitema University, Uganda. *CODESRIA Bulletin*, (05-06). <https://journals.codesria.org/index.php/codesriabulletin/article/view/5526>
6. Andama E., Turyahabwe R., **Masaba S.** & Makoba P.G. (2022). Impact of Commercial Car Washing Bay on Water Quality of River Nakiyanja in Central Uganda. *Journal of Applied Sciences and Environmental Management*. 26 (6). <https://www.ajol.info/index.php/jasem/article/view/227647>
7. **Masaba S.** (2021). Household preparedness for climate risks: A case study of landslides in Bududa District, Eastern Uganda. The 1st Busitema University Science, Technology and Innovation Symposium. <file:///C:/Users/School/Downloads/The%201st%20Busitema%20University%20Science,%20Technology%20&%20Innovation%20Symposium.pdf>
8. Basaliza, E., Nakiyemba, A., Alio, D. & **Masaba, S.** (2019). Agro-pastoral farmers’ perceptions of drought in Kayunga district, Uganda. RUFORUM Working Document Series (ISSN 1607-9345), 2019, No. 18 (1): 507-514.

<http://repository.ruforum.org/documents/agro-pastoral-farmers-perceptions-drought-kayunga-district-uganda>

9. Masaba S., Mungai D.N., Isabirye M. & Nsubuga H. (2017). Implementation of landslide disaster risk reduction policy in Uganda. *International Journal of Disaster Risk Reduction* 24:326-331 <http://dx.doi.org/10.1016/j.ijdrr.2017.01.019>
10. Masaba S., Mungai D.N., Isabirye M. & Nsubuga H. (2017). Towards decentralized landslide disaster risk governance in Uganda. In *Advancing Culture of Living with Landslides* (Vol. 5, pp. 415–420). Springer International Publishing. https://doi.org/10.1007/978-3-319-53483-1_49

SEMINARS, WORKSHOPS AND CONFERENCES ATTENDED

July 3rd - 4th 2024: Master Class, Effective Supervision of Masters and PhD Students, organized Busitema University and Mbale Clinical Research Institute.

August 9-12, 2021: ODeL Training of Trainers Workshop. Busitema University, Uganda.

July 6, 2018: The East Africa Social Science Translation (EASST) Summit at Fairway Hotel, Kampala.

March 21, 2016: VLIR OUS Uganda Governance Platform Dissemination Workshop at Gulu University.

March 5-8, 2016: The 4th World Conference on Humanitarian Studies, presented a paper titled “Effectiveness of Landslide Disaster Risk Reduction Institutions in Uganda”, Addis Ababa, Ethiopia.

January 15-17, 2014: Workshop on competence and skills training for PhD candidates: Rise to the challenge. Organized by University of Nairobi, AGRA and Wageningen UR. Nairobi, Kenya.

August 2009: Ecological Society for Eastern Africa Conference. Oral Presentation on “Economic Costs of Wetlands loss in Uganda”, Kampala, Uganda.

August 2008: The 10th Biennial International Society for Ecological Economics conference on applying Ecological Economics for Social and Environmental Sustainability. Nairobi, Kenya.

January 2008: The Uganda National Council for Science and Technology workshop on competitive grants proposal writing. Mukono, Uganda.

July 2007: Workshop on developing minimum requirements for the Bachelor of Environmental Management Programme for Ugandan Universities, organized by the National Council for Higher Education. Masaka, Uganda.

March 2006: Workshop on Principles and Practices of Economic Instruments in Environmental Management organized by National Environment Management Authority. Mukono, Uganda.

November 2005: Uganda Society Science Conference. Oral Presentation on “Economic valuation: a tool for sustainable wetlands management”. Kampala, Uganda.

August 2003: Network of Ugandan Researchers and Research Users second NURRU Training workshop on Participatory Action Oriented Research for Poverty Eradication. Kampala, Uganda.

October 2002: National Workshop on Mountains. 2002. Oral Presentation on “Economic Valuation of Mountain and Highland Ecosystems in Uganda”. Makerere University, Uganda.

COMMUNITY SERVICE

March 2026 to date: Member, Adhoc Committee on Boundary Opening for Busitema University Land.

February 2026 to date: Chairperson, Steering Committee for the establishment of the Centre of Excellence in Climate, Busitema University.

July 2025 to date: Member, University Senate, Busitema University.

April 2025 to date: Member, Competence Based Education Steering Committee, Busitema University.

2025 to 2026: Lead person for reviewing the MSc. Climate Change and Disaster Management Programme for Busitema University.

May to June 2024: Chairperson, Examinations Irregularities Committee, Faculty of Natural Resources and Environmental Sciences, Busitema University. I was responsible for providing leadership to the Examinations Malpractices and Irregularities Committee.

2022 to 2024: Member, PhD (Natural Resources and Environmental Sciences) Programme Drafting Committee, Busitema University.

August 2021 to date: Chairperson, Busitema University Time Table Management Committee.

May 2021 to June 2022: Chairperson, Abudallah Mosque Project. Provided leadership to the local community of Bunagimesi Village, Bumboi Ward, Industrial Division, Mbale City, Uganda to construct a mosque with the support from Seyyed Hassan Husmeden, a Turkish donor.

July 2021 to date: Chairperson, Faculty of Natural Resources and Environmental Sciences Finance Committee.

February 2021 to date: Member, Ceremonies Committee, Busitema University.

2020 to date: Member, ODeL Steering Committee, Busitema University.

December 2020: Reviewer for Competitive Small Research Grants Proposals, Directorate of Graduate Studies, Research and Innovations, Busitema University.

July 2019 to date: Member, Outreach, Industrial Training, School Practice and Internship Committee, Busitema University.

2019: Lead person for reviewing the Master of Science in Climate Change and Disaster Management Programme, Busitema University.

2019 to 2024: Lead person for developing the Master of Science (Natural Resource Governance) Degree Programme, Busitema University.

2019: Lead person for developing the Bachelor of Science (Environmental Science and Management) Degree Programme for Busitema University.

2012: Chairperson, Examinations Malpractices and Irregularities Committee, Faculty of Natural Resources and Environmental Sciences, Busitema University.

2011: Chairperson, Students' Disciplinary Committee, Faculty of Natural Resources and Environmental Sciences, Busitema University.

2011 to 2015: Secretary for Academic Affairs, Busitema University Academic Staff Association.

2002-2004: Member, Board of Governors, Hamdan Girls' High School, Mbale, Uganda.

2000 to date: Co-Director, Mount Masaba High School, Mbale, Uganda.

1998-2000: Chairperson, Bungokho County Youth Council, Mbale District, Uganda.

1999-2000: Patron, Islamic University Geography and Environment Studies Students' Association.

INNOVATIONS:

August 2020: Introduced bamboo growing for landslide risk reduction and livelihoods in Bunagimesi Village, Bumboi Ward, Industrial Division, Mbale City, Uganda.

COMPUTER SKILLS

Microsoft Office, SPSS, Internet, Email, Zoom, Microsoft Teams.

MEMBERSHIP TO PROFESSIONAL ASSOCIATIONS

2016 to 2017: Member, International Humanitarian Studies Association.

2008-2010: Member, African Society for Ecological Economics

Member, Ecological Society for Eastern Africa

COLLABORATIONS

2023: Participated in initiating collaboration between Busitema University and National Environment Management Authority. MoU signed in January 2024.

GEOGRAPHIC EXPERIENCE

Uganda, Kenya, Rwanda, Ethiopia, Netherlands and Belgium.

AWARDS

1991-1994: B.A Education Scholarship at Islamic University In Uganda by the Organization of Islamic Cooperation.

REFEREES

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Dr. Haroonah Nsubuga
Former Director, Institute of Continuing Education
Zanzibar University
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DECLARATION

I, the undersigned certify that to the best of my knowledge and belief, all the information stated in this document is a true and complete reflection of my qualifications, my experience and myself.

Sowedi Masaba
Date: April 1, 2026