



List of Research Publications by Staff in the Previous Year 2024-2025

NO	AUTHOR	TITLE	JOURNAL	YEAR
1.	Paul nampala	Linkages with Practice for Higher-Education Curriculum Innovation	Gateways: International Journal of Community Research and Engagement	2024
2.	Paul nampala	Effective bylaw implementation mechanisms for sustainable potato production in southwestern Uganda.	<i>Cogent Social Sciences</i>	2024
3	Ben Belden & Mugula, Michael Paul Nampala	Could Plant Science Courses in Africa Better Respond to the Changing World?	Häme University of Applied Sciences	2024
4	Ben belden and paul nampala	Climate Resilient Agriculture And Science, Technology And Innovation Nexus For Food And Nutrition Security In Uganda: A Systematic Review	Journal of Emerging Issues	2025
5	Ben belden and paul nampala	Collaborative Learning Ecosystems (CLEs) across selected African universities	Malawi University of Science and Technology (MUST).	2025

		A Baseline Mapping of Learning activities in the AgrGROW Partner Institutions		
<b>6</b>	Kabuye Rosette, Israel Kafeero & Eria Muwanguzi	An Empirical Study on the Perceptions of Academic Stress among Selected Second-Year Undergraduate Students at Bugema University: A Qualitative Study	<i>journal of Arts and Social Sciences</i>	<b>2025</b>
<b>7.</b>	<b>Muwanguzi eria and kabuye rossette</b>	Artificial Intelligence in Academic Research at Bugema University: Transforming Methodologies and Ethical Considerations	<i>journal of Arts and Social Sciences</i>	<b>2025</b>
<b>8</b>	<b>Kosea Erasto Muwanga Eria Muwanguzi</b>	End User Security using Smart Devices with Ability to Access IoT services	International Journal of Innovative Science and Research Technology	<b>2024</b>
<b>9</b>	<b>Kiiza Stephen, Christopher Ddamulira And Eria Muwanguzi</b>	International Journal of Advanced Multidisciplinary Research Medical Related Determinants of Azoospermia Among Patients Attending Ebenezer Clinical Laboratory- Kampala Capital City, Uganda	International Journal of Advanced Multidisciplinary Research	<b>2024</b>

<b>10</b>	<b>Kiiza Stephen, Christopher Ddamulira And Eria Muwanguzi</b>	Impact of Community-Based Non- communicable Disease Services on the Quality of Life of People Living with HIV in Uganda: A Randomized Controlled Tria	<ul style="list-style-type: none"> <li>• In book: Disease and Health: Research Developments Vol. 6 (pp.18- 33)</li> <li>• Publisher: BP International</li> </ul>	<b>2025</b>
<b>11.</b>	<b>Kiiza Stephen, Christopher Ddamulira And Eria Muwanguzi</b>	Determinants of Azoospermia Among Patients Attending Ebenezer Clinical Laboratory- Kampala Capital City, Uganda	International Journal of Advanced Multidisciplinary Research	<b>2024</b>
<b>12</b>	<b>Kiiza Stephen, Christopher Ddamulira And Eria Muwanguzi</b>	Medical Related Determinants of Azoospermia Among Patients Attending Ebenezer Clinical Laboratory- Kampala Capital City, Uganda	International Journal of Advanced Multidisciplinary Research	<b>2024</b>
<b>13.</b>	<b>Mutekanga david &amp; isreal kibirige</b>	Factors Affecting Compliance To Household Solid Waste Segregation In Kasangati Town Council, Uganda	Social Sciences and Education Research Review,	<b>2025</b>
<b>14.</b>	<b>Mutekanga david &amp; isreal kibirige</b>	Compliance with personal protective equipment use among clay works employees	Edelweiss Applied Science and Technology	<b>2025</b>
<b>15</b>	<b>Isima Kasibea</b>	Comparison of Mechanical Properties of Biogas Packaging Materials	J. Mater. Sci. Appl. Energy.	<b>2025</b>

<b>16</b>	<b>Isima Kasibea</b>	Prevalence and Factors Associated with Iron Deficiency Anaemia among Children Aged 6-23 Months in Southwestern Uganda	International Journal of Pediatrics	<b>2024</b>
<b>17</b>	<b>Lilian Nakakaawa</b>	Therapeutic Potential of Brassica carinata Microgreens Extract in Alleviating Symptoms of Type 2 Diabetes in Wistar Rats	Food Science & Nutrition	<b>2024</b>
<b>18</b>	<b>Kizza ssali francis</b>	Affective commitment of academic staff in higher educational institutions	Global research in higher education	<b>2024</b>
<b>19</b>	<b>Kizza ssali francis</b>	Classroom- based challenges affecting the implementation of competence-based curriculum: secondary school teachers' perspectives in southern central region of uganda	Journal of education and practice	<b>2025</b>
<b>20</b>	<b>Nabulya jesca</b>	An Assessment of the Risks Relating to Carbon Finance Investments Policies for Recovery, Adaptation, and Mitigation of Climate Change Impacts	Intech open	<b>2024</b>
<b>21</b>	<b>Kizza ssali francis</b>	Academic Staff Perceptions on	East African Journal of Education Studies	<b>2024</b>

		Graduate Students' Attitudes towards Academic Writing and Research in Selected Public Universities in Uganda		
<b>22</b>	<b>Kizza ssali francis</b>	Interpersonal Relations as a Determinant of Academic Staff Retention in Public Universities in Uganda	East African Journal of Education Studies	<b>2024</b>
<b>23</b>	<b>Kizza ssali francis</b>	Institutional Support as a Catalyst for Academic Writing and Research Skills among Graduate Students in the Selected Public Universities in Uganda	East African Journal of Education Studies	<b>2024</b>
<b>24</b>	Woirra Jeremiah Byansi1*, Muwanga Kosea Erasto 2, Onyango Laban Oliver Owin	A Model for Trojan Horses Detection in Android Smartphones	International Journal of Research Publication and Reviews	<b>2024</b>
<b>25.</b>	Daniel kizza	Transportation conditions and knowledge of beef supply chain stakeholders on humane pre-slaughter handling in uganda	Journal of consumer protection and food supply	<b>2025</b>
<b>26</b>	Daniel kizza	Feeds and feeding dynamics among chicken farmers and feed millers: insights into practices, quality, and challenges in selected districts of uganda	Discover agricultuire	<b>2025</b>
<b>27</b>	Clare kyomuhendo	Mental health issues among older people:	African journal of ageing of ageing studies	<b>2025</b>

		acase of the Ghanaian elderly		
<b>28</b>	Nabulya jesca	Analysis of funding for education and school outcomes in africa	African science frontier	<b>2025</b>
<b>29</b>	<b>Kibukamusoke, M.</b>	Remote Working Trends and Their Impact on Employee Performance and Organizational Productivity in Uganda.		<b>2025</b>
<b>30</b>	<b>Kibukamusoke, M.</b>	The effects of integrated communication approaches on the academic performance and well-being of rehabilitated pupils of Ntinda Primary School Nakawa Division, Kampala, post -covid 19 lockdown: A comparative study.	Ndejje University Journal of Interdisciplinary Studies	<b>2025</b>
<b>31</b>	<b>Kibukamusoke, M.</b>	Harnessing Ai for Socio-economic Equity in Uganda: Bridging the Digital Divide through Agricultural Innovation.	International Journal For Multidisciplinary Research	<b>2024</b>
<b>32</b>	<b>Kibukamusoke, M.</b>	Issues, Trends and Challenges of Entrepreneurship in East Africa: The Ugandan Experience.	In: Ajonbadi, H.A., Sisay, S., Oladele, S. (eds) Exploring Entrepreneurship. Palgrave Macmillan	<b>2024</b>
<b>33.</b>	<b>Kibukamusoke, M.</b>	Sustainability of Africa through technological innovations and indigenous knowledge systems: a discussion of key	African Journal of Social Work	<b>2024</b>

		factors and way forward.		
<b>34</b>	<b>Mwita</b>	Chapter in: Geography, Earth Science and Environment: Research Highlights	Vol. 3. India, United Kingdom. Editor(s): Him Lal Shrestha, Kathmandu Forestry College, Nepal.	<b>2025</b>

## **RESEARCH PROJECTS WON AND ONGOING AT BUGEMA UNIVERSITY**

The following are the different research projects won:

### **Strengthening University Delivery of Entrepreneurship Skills, Community Engagement and Action Research in Uganda (SUESCA)**

The School of Agriculture and Applied Sciences is implementing the SUESCA project, a five-year initiative running from January 2025 to December 2029. Funded by the Mastercard Foundation through RUFORUM with a budget of USD 930,000, the project brings together a consortium of universities led by Uganda Martyrs University, in partnership with Bugema University, Uganda Christian University, and Kabale University. Bugema University serves as the institutional coordinator, playing a key role in promoting entrepreneurship skills, action research, and community engagement. The project is designed to prepare students for practical problem-solving, while also strengthening the university's role in fostering community development.

### **Climate-Smart Agropreneurship Education for Livelihood and Sustainability in Eastern and Southern Africa (AgrGROW)**

Since April 2023, SAAS has been coordinating the AgrGROW project at Bugema University, funded by the European Union with a total value of EUR 2.0 million. Running until March 2026, the project aims to mainstream climate-smart agropreneurship into education to enhance livelihoods and promote sustainability across the Eastern and Southern Africa region. Bugema University's role is central to coordinating institutional activities, developing training modules,

and building partnerships. Students and faculty are directly engaged in climate-smart practices, benefiting from collaborative exchanges and cross-border learning that strengthen resilience in agriculture.

## **NARO Climate-Smart Agriculture Project**

The School is also a key partner in the NARO Climate-Smart Agriculture Project, which is valued at USD 350,000 and coordinated by the National Forestry Resources Research Institute (NaFORRI). Bugema University contributes by conducting applied research in climate-smart agriculture, with a focus on technology adoption and community knowledge transfer. Faculty and students actively participate in field demonstrations and extension services, ensuring that academic research translates into practical farming solutions. This partnership not only strengthens the university's role in agricultural innovation but also supports Uganda's national development agenda for food security.

## **COMMUNITY ENGAGEMENT**

### **School of Agriculture and Applied Sciences (SAAS)**

The School of Agriculture and Applied Sciences organized the *International Student Challenge on the Honey Value Chain*, which involved students from Bugema University and the University of Copenhagen, Denmark. The challenge attracted stakeholders from the private sector, NGOs, CBOs, and the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF). It provided a platform for problem-solving and innovation within the honey sector, contributing to sustainable agricultural practices.

In addition, SAAS launched *Collaborative Learning Ecosystem (CLE) Partnerships* that brought together over 15 industry and private sector partners. These collaborations created opportunities for joint training, innovation projects, internships, and industrial attachments for students. This strengthened university–industry linkages while enhancing the employability and relevance of graduates.



## **School of Social Sciences**

The School of Social Sciences organized a counselling conference that brought together participants from Bugema University and other universities. The event created a platform for sharing knowledge, experiences, and professional approaches to counselling. It also enhanced collaboration and community awareness of mental health and psychosocial support.

## **School of Education**

The School of Education engaged in extensive community-based practicum both nationally and regionally, with placements in Uganda, Rwanda, Kenya, and South Sudan. Locally, students undertook fieldwork in Kasese, southwestern Uganda, where they collected data and engaged with community members to address pressing educational issues.

The Department of Arts Education conducted a religious outreach program in Kiziri, while English students visited the National Theatre for practical exposure to Uganda's performing arts. HECA students organized a community dialogue during the *Ghetto Empower Expo 2024*. The School also visited schools such as Kisa Primary, Bugema Adventist Primary, Ristaka Secondary, and Midland to offer career guidance and promote the university.

## **School of Business**

The School of Business carried out community-based research and data collection aimed at addressing local business challenges. Staff and students also participated in cleaning exercises within the Busika community, promoting environmental health and social responsibility. Additionally, the School provided skilling workshops for community members, especially in bookkeeping, to strengthen financial literacy and empower small businesses.

## **School of Theology and Religious Studies**

The School of Theology and Religious Studies regularly organizes community engagement activities each semester. In May 2024, a major outreach was held in Kiziri town, led by Pastor Bidawo. Activities included pastoral crusades, evangelism, counselling and guidance, as well as visitations to families. The School also provided food items, organized a medical camp, and offered sensitization sessions on family life, health, and financial management.

Furthermore, some members of the community were supported with small business startups and a goat-rearing project. These initiatives highlighted the School's commitment to holistic community empowerment through both spiritual and socio-economic interventions.

## **School of health and allied science**

The School of health and allied science actively engaged in research and data collection within communities to improve health outcomes. Students also participated in community camps where they provided health education, basic care, and awareness on preventive health practices. These activities strengthened ties with local communities while equipping students with hands-on experience in health service delivery.

## **School of Science and Technology**

The School of ICT, Physical and Life Sciences undertook a variety of fieldwork and research engagements. Biomedical engineering students visited Entebbe Hospital to gain practical exposure, while environmental science students carried out field studies in Mabira Forest and Sezibwa Falls.

In addition, the School partnered with the National Agricultural Research Organization (NARO) to explore a memorandum of understanding for joint projects. Students also engaged in internships

where they showcased their ICT and scientific skills, bridging classroom learning with real-world practice