

CARICCULUM VITAE

Personal data

Name	Catherine Namuga.
Address	Busitema University, P. O. Box 236 Tororo, Uganda.
Phone	256774434767.
Email	cathynammy@gmail.com
Nationality	Ugandan.
Date of birth	24/3/1987
Profile	<p>I am a very enthusiastic Textile Engineer and researcher with a strong background in textile science, materials engineering, and applied research, seeking to contribute to academia as a lecturer and academic researcher. I am passionate about translating research and academics into action. I have solid experience in textile materials development, laboratory experimentation, and data analysis, with particular interest in innovative textile applications such as functional and biomedical textiles. I am passionate about solving challenges through interdisciplinary research, and my current focus is on functional materials for medical, agricultural, and engineering applications. I find joy in teaching, mentoring students, and fostering critical thinking while promoting research-driven learning.</p>

Work Experience

March 2011 to date	<p>Lecturer in the department of polymer, Textile and industrial Engineering, Busitema University, Tororo, Uganda.</p> <ul style="list-style-type: none">• Prepare course outlines and Conduct lectures for courses such as; leather and foot-wear technology, textile wet processes, textile chemistry, polymer science, fabric technology, textile printing and finishing technology, spinning and yarn engineering and knitting technology.• Assess Student assignments and exams.• Supervise student research projects.• Participation in research, outreach, and industrial training supervision.
March 2011- October 2020	<p>Teaching assistant in the department of polymer, Textile and industrial Engineering, Busitema University, Tororo, Uganda</p> <ul style="list-style-type: none">• Assist lecturers in teaching, conducting tutorials, and

assessing students' assignments and examinations.

- Participation in research, outreach, and industrial training supervision.

**February 2011-
June 2012**

Part-time lecturer, in the Chemistry department, Kyambogo University, Kampala, Uganda.

- Conducting lectures, student assessment and research supervision.

**September 2010-
march 2011**

Sales representative, ECOLAB Uganda

- Supplying cleaning and laundry chemicals to cooperate hotels. (Sheraton and Serena accounts)
- Providing quality service and training, dealing with tactful complaints.

June 2010 to date

Proprietor Cathitex Legit designers ltd, Mukono, Uganda.

- Make all management and important decisions for the company.
- Create business plans and strategy.
- Solicit for funds and grants.
- Keep track of the finances.
- Oversee the whole production of the company.

Education.

2026

Dr of Philosophy degree in Mechanical Engineering.
Makerere University, college of Engineering art, designs and technology, Kampala, Uganda.

2018

MSc. In Textile Engineering
University of Boras, Sweden.

2010

BSc. Textile and Clothing Technology
Kyambogo University, Kampala, Uganda.

2005

UACE (Uganda Advanced Certificate of Education)
Valley College school Bushenyi, Uganda.

2003

UCE (Uganda Certificate of Education)
Immaculate heart Girls High School, Rukungiri, Uganda

1999

PLE (Primary Leaving Exams)
Rock Primary School, Kasese, Uganda

Publications

- 2024** Namuga C., Muwonge H., Agwanya M., & Kirabira. **Anti-biofilm and antioxidant activities of *Bidens pilosa L*, and *Ageratum conyzoides L* against some common wound pathogens.** *African Journal of Pharmacy and Pharmacology*. AJPP/12.02.24.5384.
- 2024** Namuga C., Muwonge H., Sekulima T., Kereba N., & Kirabira, JB. **Hoslundia opposita Vahl; a potential source of bioactive compounds with antioxidant and antibiofilm activity for wound healing.** *BMC Complementary Medicine and Therapies*.98c88bb9-eb81-4ac5-8d22-7e37f2f33781|v.2.1.
- 2023** Namuga C., Ocan M., Kinengyere A. A., Richard S., Namisango E., Muwonge H., Kirabira, JB, & Obuku E. A. (2023). **Efficacy of nano encapsulated herbal extracts in the treatment of induced wounds in animal models: a systematic review protocol.** *Systematic Reviews*, 12(1), 215.
- 2022** Namuga C., Muwonge H., Lubwama M., Janet N., Sekulima T., & Kirabira, JB. (2022). **Antibacterial activities of *Bidens pilosa L*, *Hoslundia opposita Vahl*, and *Ageratum conyzoides L* against some common wound pathogens.** *African Journal of Pharmacy and Pharmacology*, 16(5), 64-78.
- 2020** Rwahwire S., Namuga C., & Ildephonse N. (2020). **Application of electrospun materials in packaging industry.** *Electrospun Materials and Their Allied Applications*, 131-149.
- 2020** Nambajjwe, C., Musinguzi, W. B., Rwahwire, S., Kasedde, A., Namuga, C., & Nibikora, I. (2020). **Improving electricity from silk cocoons through feeding silkworms with silver nanoparticles.** *Materials Today: Proceedings*.
- 2017** Namuga C. **Old to become as good as new : Pretreatment for gentle shredding** [Student thesis]2017.Available at:

<https://www.divaportal.org/smash/record.jsf?pid=diva2%3A1177135&dswid=-1232>.

2012 Rwawiire S., Catherine N., Baker K. S., & Davis G. (2012). **Processing of natural fiber textile from Ficus natalensis and Antiaris toxicaria.** In *Proceedings of the 2nd international symposium on sustainable development through research in natural textile fibers, textile products, trade, and marketing.*

Research skills

Research design and experimental planning
Literature review and scholarly writing
Laboratory experimentation and materials characterization
Data collection, statistical analysis, and interpretation Scientific writing and preparation of journal manuscripts
Grant proposal writing and research project development
Presentation of research findings in conferences and seminars
Supervision and mentoring of student research projects

Personal skills

Communication

Good communication and presentation skills gained through teaching and research presentations.

Computer skills

Good command of Microsoft office (MS word, Excel, Powerpoint), Design expert, STATA, GraphPad Prism, and Minitab, CAD/CAM, Canva, Wilcom design, Adobe illustrator and photoshop, HQPDS knitted garment design.

Writing skills

Good writing skills especially in scholarly writing which was gained through writing manuscripts.

Hands-on Skills

Machine Knitting, hand crochet, screen printing, dyeing, embroidery, garment design and construction.

Other attributes

Good team player and interpersonal relations, willingness to learn and adapt to new environments, self-driven and innovative, ability to work long hours with minimum supervision,

References

Prof. Nibikora Ildephonse;
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Busitema University
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