

Rebecca Muhumuza Nalule CV

BIO-DATA

First Name: Rebecca
Given Name: Muhumuza
Last Name: Nalule
Marital Status: Married
Physical Address: Bulenga, Wakiso district
Nationality: Ugandan
Religion: Born again
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EDUCATION BACKGROUND

<u>Period</u>	<u>Institution</u>	<u>Qualification</u>
<u>2017-2022</u>	<u>Makerere University</u>	<u>Ph.D</u>
<u>2004-2006</u>	<u>Makerere University</u>	<u>Master of Mathematics degree</u>
<u>1998-2001</u>	<u>Makerere University(ITEK)</u>	<u>Bachelor of Education degree</u>
<u>1991-1993</u>	<u>Kyambogo Teacher education</u>	<u>Diploma in Education</u>
<u>1997-1991</u>	<u>Kitante Hill School</u>	<u>U.A.C.E</u>
<u>1980-1989</u>	<u>Kitante Hill School</u>	<u>U.C.E</u>

WORKING EXPERIENCE

<u>2009-Date</u>	<u>Busitema University</u>	<u>Lecturer Mathematics</u>
<u>2009-2009</u>	<u>Uganda Christian University</u>	<u>Part-Time university</u>
<u>2007-2009</u>	<u>Kyambogo University</u>	<u>Part-Time Lecturer</u>
<u>2012-2016</u>	<u>Uganda Mathematical society LTD</u>	<u>Treasurer</u>
<u>1996-2007</u>	<u>Luteete Secondary School</u>	<u>Teacher Mathematics</u>

PUBLICATIONS

1. Bodnar, O., Muhumuza, R. N., & Possolo, A. (2020). Bayesian inference for heterogeneity in meta-analysis. *Metrologia*, 57(6), 064004.
2. Muhumuza, R. N., Bodnar, O., Nzabanita, J., & Nsubuga, R. N. (2020). Determining influential factors in spatio-temporal models. In *Demography of Population Health, Aging and Health Expenditures* (pp. 347-357). Springer, Cham.
3. Muhumuza, R., & Bodnar, O. (2020). On modeling the correlation as an additional parameter in random effects model. *Theory of Probability and Mathematical Statistics*.
4. Batiibwe, M. S., Nannyonga, B. K., Taliba, C., Nalule, R. M., & Puglia, C. (2020). Investigating math self-efficacy and math anxiety regarding gender, A-level math entry grade and mathematics achievement.
5. Muleke, P. P. S., & Nalule, R. (2013). The impact of commercial agricultural investments on the pastoral communities in Uganda: a case of Karamoja sub-region.

CONFERENCES AND WORKSHOPS ATTENDED AND PRESENTED

1. The 18th Conference of Applied Stochastic Models and Data Analysis International Society and Demographics2019 Workshop. 11-14 June 2019, Florence, Italy (Grand Hotel Adriaco)
2. International Conference on Stochastic Processes and Algebraic Structures form theory Towards Applications, Västerås, Sweden, September 30 - October 2, 2019.
3. Strengthening Research and Postgraduate Training in

Mathematics in universities in Africa, Bishoftu, Ethiopia, August 5-6, 2019.

4. Third networking and building future network- SIDA-ISP 2018.
Theme: Strengthening Research in Mathematics in Universities with Sida-ISP support 20th to 24th August 2018, Entebbe, Uganda
5. **3rd Conference on Inverse Problems in Africa School** on 6th – 10th and 13th – 15th November 2017 held at Makerere University
6. African Doctoral academy: **BECOMING A LECTURER: TEACHING AND LEARNING IN HIGHER EDUCATION 2018.**
7. **Faculty of Science and Education Busitema University** writing Retreat July 3-8 2022.
8. **IPMS-APREA** Scientific workshop 18th- 21st July 2022 **UTALI HOTEL** Nairobi

AWARDS ATTAINED.

Sida Bilateral Programme for Capacity Building
Project number 306 Ph.D Scholarship 2017-2022.

CERTIFICATES OF PARTICIPATION

1. Scholarly writing and communication
2. Information competence and management
3. Advanced Research and Methods
4. Philosophy of methods
5. Teaching and Learning in the 21st Century from 4th to 8th October 2013 by the African Doctorial Academy.
6. Treasurer Uganda Mathematical Society 2012-2016
7. Capacity Building Training organized by Eastern Africa for Women in Basic Sciences

COURSES TAUGHT

I have taught a number of courses in the Department of Mathematics at all levels. To mention a few are the following.

YEAR I: Calculus1, Elements of Mathematics, Linear algebra, Elements of Probability and statistics.

YEAR II: Probability theory, Differential Equations, Real Analysis¹, Numerical Analysis¹ and abstract algebra, School practice supervision.

YEAR III: Number Theory, Dynamical systems, Mathematics Education, Statistical Inference

Masters: Dynamical Systems, Research Methodology

OUTREACH ACTIVITIES:

1. Chair activities Uganda Women Mathematicians (UGAWoM)
2. Node coordinator Eastern Africa Network for Women in Basic Sciences (EANWoBAS)
3. Vice Chairperson Liberty Worship Centre Investments Cooperative Society limited (LIWICS).
4. Member of The Uganda Mathematical Society LTD(UMS)
5. Member of the Organization for women in Science for Developing World (OWSD)

SKILLS

1. Teaching and learning in higher education
2. Scholarly writing and Communication Skills
3. Data Analysis
4. Information Competence and Management

HOBBIES.

Researcher, Mentoring, guidance and counselling, gospel music, farming.

REFERENCES.

Prof. Olha Bodnar,
School of Statistics and Economics Orebro University, Sweden
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Dr. Rebecca N Nsubuga, senior researcher
nrebeccansubuga@gmail.com

Prof. John Mango Magero, Makerere University
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