

## CURRICULUM VITAE

MISSION: *To educate, mentor, and conduct research in physics with a focus on advancing knowledge, innovation, and societal impact.*

### I. BIODATA

Name	Dr. Vianney Habakwiha
Date of Birth	November 19, 1976
Nationality	Ugandan
Marital Status	Married
Number of Children	04
Employment Status	Assistant Lecturer
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### II. ACADEMIC QUALIFICATIONS:

#### a) University Education:

University	Period	Qualification
Makerere University	Sept. 2018 – Apr. 2024	Ph.D (Physics)
Mbarara University of Science and Technology	Aug. 2012 – Dec. 2015	M.Sc. (Physics)
Makerere University	Aug. 2003 - June 2007	B.Sc. (2 nd Class Upper)

#### b) Pre-University Education:

School/College Attended	Period	Qualification
National teachers College Kabale	Aug. 2000 – June. 2002	Dip. Educ (Secondary)
St. Paul's Mutolere S S	1998-1999	U.A.C.E
St. Paul's Mutolere S S	1994-1997	U.C.E
Gikoro Primary School	1987-1993	P.L.E

#### c) Courses Undertaken:

Postgraduate School	: Ph.D. Thesis Title: Estimation of Radiological Effects and Modeling Radionuclide Transfer to Milk and Fish in Kisoro District, South-Western Uganda.
	: M.Sc. Thesis title: Investigation of Activity levels of the Radionuclides present in Volcanic soils in Kisoro District. A case of Uranium, Thorium and Potassium Radionuclides
Undergraduate	: Subjects Studied: Physics, Mathematics and Psychology.

: Project: Determination of the Earth Magnetic Field Intensity in Makerere.

College : Physics and Mathematics.

Advanced level : Physics, Mathematics, Economics and French.

### III. WORKING EXPERIENCE:

Period	Position
May, 2025 – to date	Lecturer (Physics) Kabale University
2016 – April, 2025	Assistant Lecturer (Physics) Kabale University
2014 – 2016	Part-time Lecturer Kabale University
2008 - 2012	Teaching Assistant (Physics), Cavendish University Kisoro Study Center
2008 – 2010	Head, Department of Physics, St. Gertrude's Girls' Voc SS
2008 – 2015	Teacher, St. Gertrude's Voc SS and St. Paul's Mutolere S S

### IV. TEACHING AND SUPERVISION

I teach undergraduate and Post graduate courses namely: Properties of Matter, Heat and thermodynamics, Electricity and Magnetism, Electromagnetism, Nuclear Physics, Classical Mechanics, Vibrations and Waves, Statistical Mechanics, Mathematical methods in Physics, Physics Teaching Methods, Waves and optics, Electrodynamics, and Statics, Advanced Classical Mechanics, and Advanced Statistical Mechanics.

I have designed and supervised a number of undergraduate projects in physics and other disciplines.

### VII. PUBLICATIONS

1. **Habakwiha, V.**, Oruru, B., & Ireeta, W. T. (2023): Estimation of Radiological Effects from Consumption of milk from Volcanic areas of Kisoro, South-western Uganda. *Journal of Radiation and Nuclear Applications*.
2. **Habakwiha, V.**, Oruru, B., & Ireeta, W. T. (2023): Modeling Radionuclide Transfer from pasture to milk in Volcanic areas of Kisoro, South-western Uganda. *Easter African Journal of Science Technology and Innovation*.
3. Simon Katrini Anguma, **Vianney Habakwiha** and Isaac Habumugisha (2023): Determination of natural radioactivity and hazards in volcanic soils of Kisoro district in south-western Uganda. *Kabale University Interdisciplinary Research Journal*.

### VIII. RESEARCH SUPERVISION AND EXAMINATION

1. **External examiner for Ekanyai John (2025): Evaluation of Radionuclide levels in selected foodstuffs and edible animal products from Tororo markets and their impact on human health". Masters Dissertation, Busitema University, Tororo, Uganda.**

## **IX. WORKSHOPS, TRAINING AND CONFERENCES ATTENDED:**

1. Introductory Political Education Course Under the office of District Administration- Kisoro from 14/6/1997 to 8/7/1997.
2. Introductory Political Education Course and Military Science Under the office of RDC - Kabale from 1/3/2000 to 27/3/2000.
3. Cyber School Technology Solutions: Join our digital learning world. Ministry of Education and sports from 31/8/2009 to 2/9/2009 at Maryhill High School- Mbarara.
4. Training of Science Teachers on Gender Issues in Secondary Science Education Provision – Ministry of Education and Sports from 16<sup>th</sup> - 19<sup>th</sup> September, 2005 at Nabinoonya Resort Beach – Kisubi.
5. Presidential Initiative on AIDS Strategy for Communication to the Youths (PASCY) Training from 11<sup>th</sup> - 13<sup>th</sup> January, 2010 at Kigezi Cllege Butobere.
6. Cyber School Technology Solutions: Join our digital learning world – Super Teacher Training in; coordinating, Promoting, Monitoring, and Evaluation of Cyberschool Activities; Trouble shooting of Hardware and software; and Concepts of School Management Systems - Ministry of Education and sports from 24/3/2010 to 26/3/2010 at Pope Paul Memorial – Kampala.
7. Training on Regulations of Research and Policy conducted by Mbarara University Research Ethics Education Programme (MUREEP) funded by National Institute of Health – USA from 15<sup>th</sup> - 19<sup>th</sup> July, 2019.
8. Training in Philosophy of Methods and Scientific Communication organized by the Directorate of Research and Graduate Training – Makerere University from 26<sup>th</sup> Sept - 18<sup>th</sup> November, 2022.
9. Training in Advanced Research Methods organized by the Directorate of Research and Graduate Training – Makerere University from 7<sup>th</sup> - 7<sup>th</sup> October, 2022.
10. Kabale University Multidisciplinary Research Dissemination. *Harnessing the power of Research for Inclusive Growth, Employment and Wealth Creation*. 27<sup>th</sup> – 28<sup>th</sup> August, 2025.

## **X. COMMITTEES:**

I serve on the following committees;

- a) Marketing Committee, Kabale University (February 2017- Present).
- b) Member on the Kabale University Kigezi Scholarships for the Needy vetting committee 2003.
- c) Member of Bishop's Annual Appeal Fund (BAAF) Kabale Diocese (2020 – Present).
- d) Vice Chairperson Education Committee St. Mary's Mutolere Catholic Parish (2010 – 2018).
- e) Chairperson Education Committee St. Mary's Mutolere Catholic Parish (2018 - Present).
- f) Commissioner, Education Commission Kabale Diocese (June, 2023- Present).

g) Member and Chairperson Education Committee Board of Governors St. Paul's Mutolere S S (February 2022- Present).

h) Member, and Chairperson Education Committee St. Mary's Mutolere Catholic Parish Council (July 2018 – Present).

i) Member of PTA executive Committee St. Mary's College Rushoroza Kabale (2022 - Present)

j) Chairperson Liturgy Committee Gikoro Catholic Centre St. Mary's Mutolere Catholic Parish (Aug. 2021 – Present).

k) National Curriculum Development Center (NCDC) Master Trainer of Competency based lower Secondary Curriculum (2019 - 2022).

j) National Curriculum Development Center (NCDC) Physics Panel Member for the development of Competency based Upper Secondary Curriculum (2022 – present).

#### REFEREES:

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