CURRICULUM VITAE

Dr. Robert Kati

B.Ed. (Science), M.Sc. (Mathematics Education),

PhD (Mathematics Education)



Career Objectives & Ambition

I intend to build a career in a leading professional environment with committed & dedicated people, which will help me to explore myself fully and realize my potential. I am willing to work as a key player in a challenging & creative environment.

Personal Information

Name: Dr. Robert Kati

Nationality: Kenyan

Sex: Male

Marital Status: Married with children

Present address: School of Graduate Studies

Kibabii University P.O Box 1699-50200 Bungoma, Kenya

Mobile No: + 254 721 589 365

Corporate e-mail: rkati@kibu.ac.ke

Personal e-mail: omkati65@gmail.com

Permanent address: P.O Box 140, Maragoli

Job Title and Responsibilities

Senior Lecturer and Dean, School of Graduate Studies, Kibabii University.

I teach mathematics content and pedagogy as well as coordinate graduate studies at the university.

Expertise

Mathematics Education & Leadership Training.

Academic Qualifications

Institution [Date from to]	Degree(s) or Certificates(s) obtained
Jaramogi Oginga Odinga	Doctor of Philosophy in Pedagogy (Mathematics)
University of Science and	
Technology, Kenya	
2012-2015	
Masinde Muliro	Master of Science in Mathematics Education
University of	
Science and	
Technology, Kenya	
1997- 2011	
Kenyatta University, Kenya	Bachelor of Education Science (Second Class Honours-
1996-1999	upper Division),
	(Subject combination – Chemistry/Mathematics)
Chavavo Secondary School,	Kenya Certificate of Secondary Education, K.C.S.E, (
Kenya	Mean Grade B)
1990-1993	
Chandolo Primary School,	Kenya Certificate of Primary Education (KCPE)
Kenya 1982-1989	

Additional Academic Qualifications for Improved Service Delivery:

Institution [Date from to]	Diploma(s) or Certificate(s) obtained
MF Treinamentos (2023)	Certificate in Lean Six Sigma Green Belt
MF Treinamentos (2023)	Certificate in Lean Six Sigma Yellow Belt
MSBM, UK (2022)	International Postgraduate Diploma in Corporate Governance and Leadership
MF Treinamentos (2022)	Certificate in Lean Six Sigma White Belt
IBMI, Germany (March, 2022).	Certificate in Basics of Strategic Management
MSBM,UK(Jan, 2022)	Certificate in Creativity and Problem Solving Skills
IBMI, Germany(Jan, 2022)	Certificate in Leadership and Team Development

Academic Positions and Employment

Date	Position
September,2021 to date	Senior Lecturer (Mathematics Education), Kibabii University
June, 2015 - September, 2021	Lecturer (Mathematics Education), Kibabii University
January, 2015-June, 2015	Tutorial Fellow (Mathematics Education), Kibabii University
September,2009- January,2015	Graduate Teacher, Vihiga Friends High School, Vihiga, Kenya
September,2001- September,2009	Graduate Teacher, Vigina Secondary School, Vihiga, Kenya

Administration and Management

Date	Responsibility
September, 2023	Member, Publicity and Entertainment Sub-committee for the
	8 th Graduation Ceremony, Kibabii University
July,2023	Committee Member, Centre of STEM Education, Kibabii
	University.
June, 2023	Chairperson, Ad-Hoc Committee Preparing for the Reporting
	and Registration of New Students 2023/2024 Academic Year,
	Kibabii University
March, 2023	Member, Investigation Committee to Investigate Falsification
	of Students' Marks, Kibabii University
March,2023	Chairperson, Kibabii University Students' Organization
	Electoral Commission, Kibabii University
January, 2023	Member, Kibabii University Senate Committee to Review
	University Statutes,2021
October, 2022 to date	Dean, School of Graduate Studies, Kibabii University
May,2022 to October, 2022	Examination/Timetable Coordinator, Department of
	Curriculum and Pedagogy, Kibabii University
17 th October-28 th	Ag. Director, Planning and Organizational performance,
October,2022	Kibabii University
May,2022 to date	Coordinator, Training of Trainers in Teacher Education and
	Management(TOTEMK) Project Implementation, Kibabii
	University
April,2022	Member, Steering Committee Tasked with Preparation of
	Kibabii University Strategic Plan 2022-2027
April,2022 to October, 2022	Chairperson, KIBU School of Education welfare
October, 2021 to January,	Coordinator, Department of Science and Mathematics
2022	Education / Curriculum and Teaching, Kibabii University
March,2023 to date	Chairman of Technical Committee of Board of Directors
	Amatsi Water Services Co. Ltd.
March, 2022 to March, 2023	Chairman of the Board of Directors, Amatsi Water and
1VIaicii, 2022 to iviaicii, 2023	Services Co. LTD
May, 2021 to March, 2022	Chairman of Audit and Risk Committee of Board of Directors
,	Amatsi Water and Services Co. Ltd.
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May, 2021 to March, 2022	Member of Technical Committee of Board of Directors,
	Amatsi Water and Services Co. Ltd.
November,2020-	Acting Director, Performance Contracting & Quality
December,2020	Assurance, Kibabii University
2018 to date	Member of Board of Research, Consultancy and Extension, Kibabii University
2017-2019	Chairman, ad-hoc committee on Examinations Irregularities, Kibabii University
2016 -2022	Member, Committee on Evaluation and Monitoring of Kibabii University Strategic Plan
2015-2021	Chairperson, Department of Science and Mathematics Education, Kibabii University
2015 -2022	Member of Kibabii University Senate
	Member, Gender Mainstreaming Committee, Kibabii
2015 -2021	University
2015	Departmental Coordinator of welfare CIT/SME, Kibabii University
2015	Assistant Treasurer Universities Academic Staff Union
	(UASU) Kibabii University Chapter
2012-2015	Chairman, Vihiga Friends High School Inspection and
	Acceptance Committee
	Director of Boarding, Vihiga High School
2010 -2015	
2004-2007	Director of Studies, Vigina High School
2004-2007	Coordinator of Mathematics Talks and Exhibits, Vihiga District Congress of Science and Technology

Curriculum Activities

Date	Responsibility
June,2022	Member Chemistry Panel on Development of Scope and
	Sequence Charts for Secondary Teacher Education, Kenya
	Institute of Curriculum Development
March,2022	Member Chemistry Panel on Development of Scope and
	Sequence Charts for Grades 10,11,and 12, Kenya Institute of
	Curriculum Development
February,2022 to date	Member of Kibabii University, University wide Competency
	Based Curriculum committee.
February,2022 to date	Member of Kibabii University Self-Assessment Committee of
	University Programs.
July,2020 to date	Support Programme Leader for Bachelor of Education
	(Science)
August,2019	Integrated Science Panel Member on Development of Scope
	and Sequence Charts for Grades 7,8, and 9, Kenya Institute
	of Curriculum Development
June,2019	Chairperson to the Ad-Hoc Committee for the Establishment of
	School of Education, Kibabii University

Community Service

Date	Responsibility	
February,2022 to date	Chairman, BUKAVI Self Help Group, Kibabii University	
January 2022 to date	Coordinator, Education Planning Committee, Deliverance Church,	
	Kakamega	
May,2021 to date	Member of Board of Directors Amatsi Water Services Co. Ltd	
2019- 2022	Chairman of Board of Management, Chandolo High School	
2016 to date	Member of Board of Management, Vihiga Friends High School	
2016- 2019	Member of Board of Management, Chandolo High School	
2019 - 2021	Treasurer, Education Planning Committee, Deliverance Church,	
	Kakamega	
2013(Feb/March)	Deputy Presiding Officer for the General Election in Vihiga	
	Constituency	
2011(April)	Member of Support Secretariat, National Police Service	
	Recruitment Exercise	
2010 to 2011	Vice Chairman, Vihiga High School Teachers Welfare	
2003 to 2005	Secretary, Kenya Students Christian Fellowship, Vihiga Associates	
	Team	

Employment/Professional Experience and Responsibilities

Date: From to	Position	Key Responsibilities
October, 2022 to date	Dean, School of Graduate Studies	Coordinate the assessment and development of academic programs of the school. Maintain effective communication between students, faculty, administration and academic staff. Support the growth of post-graduate student body in line with the University Strategic goals. Develop policies and good practices for research supervision. Prepare annual budget, procurement plans and annual work plans for the office of the Dean of school.
May,2022 to October, 2022	Examination/Timetable Coordinator, Department of Curriculum and Pedagogy, Kibabii University	In charge of the Departmental Examinations, ensuring that Examination were Processed as per the University Rules and Regulations in consultation with the CoD Curriculum and Pedagogy. In charge of the Departmental Timetable, ensuring that all departmental courses are timetabled both for teaching and examination. Sorting out issue of Missing Marks in the Department

to January, 2022	Mathematics Education /Curriculum and Teaching, Kibabii University	Coordinating the teaching and administrative duties in the Department of Science and Mathematics Education /Curriculum, and any other duties assigned by the Dean, Faculty of Education and Social Sciences. Attending Senate and Faculty Management and Examination Board Meetings.
September,202 1 to date	Senior Lecturer at Kibabii University	Teaching, Research and Supervision of Undergraduate, MSc and PhD Students Academic Advisor and Mentor for students in the Department Member- Departmental and Faculty Boards
	Mathematics Education, Kibabii University	Coordinating the teaching and administrative duties in the Department of Science and Mathematics Education /Curriculum, and any other duties assigned by the Dean, Faculty of Education and Social Sciences. Attending Senate and Faculty Management and Examination Board Meetings.
Julio,2013	Lecturer (Mathematics Education) , Kibabii University	Teaching and conducting research Performing any other duties assigned by the Head of Department
January, 2015- June, 2015	Tutorial Fellow (Mathematics Education), Kibabii University	Teaching and conducting research Performing any other duties assigned by the Head of Department

Capacity Building: Training, Workshops, Symposia & Seminars

Institution [Date from - Date to]	Short Course/Workshop:
8 th October,2023-11 th	Completed Online course on Designing
November, 2023	for Communities of Inquiry in Online
Athabasca University/COL	Courses
1 st May,2023-31 st	Completed Online course on Self-
May,2023	directed Learning for Higher Education
North-West	
University/COL	
22 nd March,2023-26 th	Completed Online course on
April,2023	Introduction to Social Media Marketing
Panjab University,	C
India/COL	
15 th February,2023- 22 nd	Completed Online course on Essential
March, 2023	Life Skills
Indian Institute of	
Technology (BHV)/COL	

20 th January,2023- 17 th February, 2023 Commonwealth of Learning	Completed Online course on Advanced Cybersecurity Training for Teachers
18 th November, 2022 – 16 th December, 2022 Commonwealth of Learning	Completed Online course on Cybersecurity Training for Teachers
5 th September,2022-30th September,2022 Commonwealth of Learning	Completed Online course on Inclusive Teaching and Learning
2022(13 th June-17th June)	Participated in a Training of Trainers Workshop on Strengthening in-service Teacher Mentor-ship and Support, Busia, Kenya
2022(9 th May-3rd June) Commonwealth of Learning	Completed Online course on Authentic Assessment for Online Learning
2022(27 th March-24th April) Athabasca University	Completed Online course on Leading Change in Teaching and Learning for a Digital World
November, 2021-February, 2022 University of Nairobi	Completed Training of Trainers for Teacher Education and Management in Kenya on Use of Modern Technologies to Enhance Learning
August,2021-November,2021 Stellenbosch University, South Africa	Completed Training on Doctoral Supervision at African Universities Course
July,2021 Commonwealth of Learning	Completed a Commonwealth Digital Education Leadership Training in Action (C-DELTA)
2021(May)	Attended a Workshop on Cooperate Governance at Sossa Cottages, Vihiga
2019(August)	Attended a Workshop on Development of Scope and Sequence for Grades 7, 8 and 9 for the Competency Based Curriculum, Organized by KICD

2019(April)	Attended Curriculum Review Workshop for TVET Programs, Organized by Kibabii University Management
2019(April)	Attended Digital Content Development workshop, Organized by Kibabii University Management
2018(November)	Attended Global Leadership Summit-Kakamega Chapter
2017(November)	Attended Global Leadership Summit-Kakamega Chapter
2017(March)	Attended a training workshop on Grant Proposal Writing facilitated by African Population and Health Research Center
2016(March)	Attended a training workshop on Curriculum Review for Public universities in Kenya: Implementation and Accreditation
2016(March)	Attended a training workshop on Module Writing for e-learning
2015(July)	Attended a Pedagogical Skills Training Workshop at Kibabii University, Organized by Kibabii University Management
2015(September)	Attended an Implementers' Training on Quality Management Systems Based on ISO 9001:2008
2007(May)	Attended a Career Heads Seminar , Organized by Air Travel & Related Studies Centre, Nairobi

Recognition

- 1. Awarded a certificate of **Appreciation** by the 2022/2023 academic year students' finalists leadership of Kibabii University for exemplary service rendered to the students' body.
- 2. Received a letter of **Appreciation** from the Vice Chancellor for financial contribution towards the Kibabii University 6th International Conference held from 14th to 15th June 2023.
- **3.** Awarded a certificate of **Appreciation** by the Vice Chancellor of Kibabii University for outstanding contribution as a coordinator of a Postgraduate Supervision Seminar held on 5th May 2023.
- **4.** Awarded a certificate of **Appreciation** by the Deputy Vice Chancellor (ASA) of Kibabii University for voluntarily training all education students on the Basic Education Curriculum Framework and 21st century Teacher Core Competencies.
- 5. Awarded a certificate of **Appreciation** for being the **returning officer** of the 6th edition of students' organization of Kibabii University.
- **6.** Recognized and awarded by Kibabii University as the **lecturer of the year** 2021/2022.
- **7.** Recognized by the School of Education of Kibabii University as the **lecturer of the year** 2021/2022.
- 8. Recognized by the Department of Curriculum and Pedagogy of Kibabii University as the **lecturer of the year** 2021/2022.
- 9. Awarded a certificate of **Academic Excellence** in 2022 by the Bishop of Deliverance Church Kakamega for exemplary service.
- 10. Awarded a certificate of **Appreciation** by the Vice Chancellor of Kibabii University for the support accorded to needy students through generous financial and material support in 2022.
- 11. Received letter of **Appreciation and Commendation** from the Vice Chancellor of Kibabii University for contribution towards voluntary salary cuts for COVID-19 Emergency Fund in 2020.

Grants/Scholarships

July, 2023: Responded to and won the Call for applications for participation in a CREST Alumni Networking Workshop on Research and Capacity Development in Doctoral Supervision at African Universities at CREST, Stellenboch University

Accomplished Activities at Kibabii University

- 1. **Chairperson**, Ad-Hoc Committee Preparing for the Reporting and Registration of New Students 2023/2024 Academic Year
- 2. **Returning officer**, Kibabii University Students Elections 2023/2024
- 3. **Facilitator**, Training of Education students on 21st Century Core Competencies of Teacher education and the Basic Education Curriculum Framework
- 4. Chair, Development of Wardenship Policy
- 5. Chair, Ad Hoc Committee for Proposal of Establishment of School of Education.
- 6. Chair, Ad Hoc Committee for Proposal of Establishment of Centre of STEM Education
- 7. **Facilitator**, Training of staff teaching University wide common courses on educational measurement and evaluation.
- 8. **Facilitator**, Training of years' 3 & 4 education students on Competency Based Curriculum.

Selected Publications

- Cheloti, E.W., Singoro, B, & Kati, R. (2023). Student Digital Admission and Academic Management in Public Universities in Western Kenya. *Global Scientific Journals*. Vol.11 Issue 8
- **2.** Telewa, P.W., Maiyo, J. K., & **Kati, R.** (2023). Community Contribution and Student Unrest in Public Secondary Schools in Transzoia in West Sub-County. *Global Scientific Journals*. Vol.11 Issue 7
- **3.** Amwayi, E., Sirengo, J & **Kati, R.** (2022): MARKOVIAN Modeling of Students Performance by Cohorts in Secondary Schools. *Iconic Research and Engineering Journals*. Vol. 6 Issue 5
- **4.** Otuma, V., **Kati, R**. & Wasike, D. (2022): Specialized Mathematical English as a Resource of Learning Secondary School Mathematics: A Case Study in L2 Classrooms. *International Journal of Research and Innovation in Social Science* Vol VI Issue IX
- **5.** Okoti, D., **Kati, R**. & Mutende, R (2022). Structure and Content of Sports Training Curriculum and its association with Athletes' Achievement in Sports Academies in Kenya. *International Journal of Research and Innovation in Social Science* Vol VI

- IssueVIII, 383-390
- **6.** Otuma, V., **Kati, R**. & Wasike, D. (2022): Rethinking Proficiency in the Language of Teaching and Learning as a Pillar in the Learning of School Mathematics. *International Journal of English Language and Communication Studies*. Vol 8 Issue 5
- **7.** Okoti, D., **Kati, R**. & Mutende, R (2022). Coaches Qualifications and Athletes Achievementin Sports Academies in Kenya. *International Journal of Science and Research*. Vol II Issue 7
- **8.** Lukova, N., Manasi E. & **Kati, R.** (2022); Boards of Management Involvement in Teacher Motivation and Academic Achievement in Primary Schools in Trans- Nzoia County in Kenya; *International Journal of Scientific and Research Publications* (IJSRP) 12(2) (ISSN: 2250-3153)
- **9.** Lukova, N., Manasi E. & **Kati, R.** (2022); Influence of Boards of Management in Teacher Motivation and Academic Achievement in Primary Schools in Trans- Nzoia County in Kenya; *International Journal of Science and Research* (IJSR) 12(2) (ISSN: 2319-7064)
- **10.** Masika,R,Rono, R & **Kati,R**.(2022). Classification Algorithm for Career Recommendation System. *International Journal of Computer Applications Technology and Research Vol* II Issue 4, 91-97
- 11. Khamala, D. W, Maiyo, J. K., & Kati, R. (2021). Teachers' Perceptions on Adequacy and Utilization of Physical Resources in Public and Private Primary Schools in Lurambi Subcounty, Kenya. *Iconic research and Engineering Journals*, Vol 5 Issue 6, 30-35
- **12.** Masika, R, Rono, R., & **Kati, R.** (2021). Extent of Usage of Collected Student Data in CareerChoice in Kenya. *Iconic research and Engineering Journals*, Vol 5 Issue 6, 30-35
- **13.** Owiye, J. A., Maiyo, J. K., & **Kati, R.** (2020). Teacher Perceptions on Implementation of Teacher Performance Appraisals in Public Secondary Schools in Bungoma County, Kenya. *The International Journal of Business & Management*, 8(8), 81–90.
- **14.** Owiye, J., Maiyo, J. K., & **Kati**, **R**. (2020). Influence of Teacher Performance Appraisal and Development Policy on Implementation of Teacher Performance Appraisals in public secondary schools in Bungoma County. *International Organization of Scientific Research*, *25*(8), 28–42. https://doi.org/10.9790/0837-2508062842
- **15.** Wanyama, N, **Kati, R** & Nyongesa Ben (2019) Influence of Selection of Literature in English Guidebooks on Academic Performance of Learners in Secondary Schools in Bungoma County, Kenya. International Journal of Contemporary Applied Researches Vol.6, No.8
- 16. Nyangweso, J.O., Maiyo, J.K & Kati, R (2019) Effect of Secondary School Categorisationon Value addition in Public Secondary Schools in Kenya. Journal of Education & Practice Vol 10 No 33
- **17.** Nyangweso, J.O., Maiyo, J.K & **Kati, R** (2019) Effect of Secondary School Categorisation on Examination Failure Rates Public Secondary Schools in Kenya. Journal of Education & Practice Vol 10 No 33
- **18. Kati, R.** & Ahono T. (2019). Influence of Self-Instruction on Mathematics Achievement among Students in Secondary Schools in Kenya.International Journal of Contemporary Applied Researches Vol.6, No.3
- **19. Kati, R.** & Ahono T. (2019). Influence of Self-Knowledge on Mathematics Achievement among Students in Secondary Schools in Kenya. International Journal of Creative Research and Studies Vol. 3, Issue 3

- **20. Kati, R,** Wasike, D and Masibo, E. (2019). *Quantitative Skills1* (Module). Bungoma: Kibabii University. ISBN 978-9966-59-021-3.
- **21.** Wasike, D, **Kati, R** and Masibo, E (2019). *Quantitative Skills 11* (Module). Bungoma: Kibabii University. ISBN 978-9966-59-017-6.
- **22. Kati, R** (2017) Factors influencing students' Academic Achievement in Linear Algebra. International Journal of Education and Evaluation Vol 3.No. 3
- **23. Kati, R**., Owiti, D & Ahono T. (2015). The Contribution of Teachers' Qualification on Achievement in Mathematics in Kenya. Journal of Education and Literature Vol 3. No.3
- **24. Kati, R** & Amadalo, M. (2014). Teachers' Teaching Experience and Primary School Pupils' Achievement in Mathematics in Kenya. Global Education Review Vol 2. No.1
- **25. Kati, R**., Owiti, D & Ongati O. (2013). Teachers' Gender and Primary School Pupils' Achievement in Mathematics in Kenya. Journal of Education and Practice Vol 4. No.25

Peer Reviewed and Presented Conferences Papers

2023(November): STEM Education International Conference, MMUST

Mathematics Language proficiency: The learners' Perspective.

2020(November): STEM Education International Conference, MMUST

Preparedness towards Online Learning in the wake of Covid-19 Pandemic

2015(June): First JOOUST International Scientific Conference.

Contribution of Teachers' Qualification on Performance in Mathematics

Conferences Attendance

2023(November): STEM Education International Conference, MMUST

2023(July): Seventh Strathmore International Mathematics Conference.

2020(November): STEM Education International Conference, MMUST

2019(August): Fifth Strathmore International Mathematics Conference.

2017(June): Fourth Strathmore International Mathematics Conference.

2015(August): Third Strathmore International Mathematics Conference.

2015(June): First JOOUST International Scientific Conference.

2013(August): Second Strathmore International Mathematics Learned Conference.

Other Assignments

2021 to date: Peer Reviewer with Asian Journal of Education and Social Studies.

- 2021 to date: Peer Reviewer with International Knowledge Press.
- 2019 to date: Peer Reviewer with Journal of Education, Society and Behavioral Science.
- 2019 to date: Peer Reviewer with International Journal of Research and Scientific Innovation..
- 2015 to date: Peer Reviewer with Educational Research Journal.
- 2015 to date: Peer Reviewer with African Journal of Education and Social Sciences.

Completed Graduate Student Supervision

- Telewa Protus Wanjala, 2023"Influence of School-Community Relations on Student Unrest and Violence in Public Secondary Schools in Saboti Sub-County, Trans-Nzoia County, Kenya", MED, Kibabii University
- Evanson Cheloti Wanjala,2023 "Influence of Digital Platforms on the Management of Academic Affairs in Public Universities in Western Kenya", MED, Kibabii University
- Okoti David,2023 "Determinants of Sports Curriculum Implementation and Athletes' Achievement inSports Academies in Kenya", PhD, Kibabii University
- Otuma Vincent Nick, 2023 "Influence of Mathematical Language on Learners' Conceptual Understanding of Mathematics in Secondary in Schools in Kenya", PhD,Kibabii University
- Lukova Newton Barasa, 2022, "Influence of Boards of Management on School Academic Achievement in Kenya Certificate of Primary Education in Trans-Nzoia County, Kenya", PhD (Educational Management & Policy Studies), Kibabii University
- Masika Robert, 2022, "Educational Data Mining for Enhanced Career Recommendation in Kenyan Secondary Schools: Case of Bungoma County", MIT, Kibabii University
- Khamala David Wafula, 2022, "Effect of School Resources on Academic Achievement: A Comparative Study of Public and Private Primary Schools in Lurambi Sub-County, Kenya", MeD (Education Planning and Management), Kibabii University.
- Owiye Joan Amwayi, 2021, "Influence of Teacher Performance Appraisal Environment in the Implementation of Performance Appraisal among Public Secondary Schools in Bungoma County. PhD (Educational Management & Policy Studies), Kibabii University
- Jaffary Omary Nyangweso, 2020, "Analysis of the Relationship between Secondary School Categorization on Academic Achievement at K.C.S.E in Public Secondary Schools in Kenya", PhD (Education Planning and Management), Kibabii University.
- Martin Nyongesa Wanyama, 2019, "Selection and use of Guide Books in the Teaching and Learning of Literature in English in Secondary Schools in Bungoma County, Kenya", MeD

(Curriculum and Instructional Technology), Kibabii University.

On-Going Graduate Student Supervision

Wamalwa Janet Nafula, "Cyber Security Strategy and Information Communication Technology User Risk Management in Secondary Schools in Kenya", MIT, Kibabii University [on-going]

Wenje John Nyongesa, "Parental Participation and Achievement of Pupils in Environmental Activities at Lower Primary Schools in Kenya", PhD, Kibabii University[on-going]

Macheso Isaac Situma , "Factors influencing Implementation of Competency Based Assessment in Kenya", PhD, Kibabii University [ongoing]

Orodi Getrude Mubweka, "Utilization of Learning Management System and Effectiveness of Instructional Process in Technical Training Institutions in Kenya" PhD, Kibabii University [ongoing]

Theses Examination Undertaken

- Austin Murambi Wandili,2023, "Influence of Resources on the Implementation of Computer Studies Curriculum in Public Secondary Schools in Bungoma County, Kenya", MED Thesis, Kibabii University.
- Johnson Bulowa,2022, "Influence of School based factors on Academic Performance in Secondary Schools in Transzoia County, Kenya". PhD Thesis, Kibabii University.
- Anthoney Nakhumwa Dindi, 2022, "Determinants of Teacher Transfer intentions in Public Primary Schools in Merti Subcounty, Isiolo County, Kenya", MED Thesis, Kibabii University.
- Kapchanga Martin, 2022," Boards of Management Strategy and Schools Development in Public Secondary Schools in West Pokot County, Kenya", PhD Thesis, Kibabii University.
- Wasilwa Juma Bakari, 2022, "Unit cost of Education and Students Enrolment Sustainability in Public Secondary Schools in Bungoma County, Kenya", PhD Thesis, Kibabii University.
- Jacinta Mukonyo Mutwiwa, 2022, "A Coupled Mathematical Model for Cervical Cancer Incorporating Difusion and Diagnosis", PhD Thesis, Kibabii University.
- Nasiali Ebby Vukhaya,2022," Instructional Interaction Patterns and Secondary School Learners' Attainment in Biology in Kakamega Central Subcounty, Kenya", MED Thesis, Kibabii University.
- Maruti Mary, 2022, "Performance Contracting and Service Delivery in Public Secondary

- Schools in Trans-Nzoia County" MED Thesis, Kibabii University.
- Dorcas Nelima wamukota, 2020, "Domain-Specific Beliefs of Biology Teachers about the Subject on the Integration of Instruction in Secondary Schools in Kenya", PhD Thesis, Kibabii University.
- Andanje Mulambula, 2020, "On the European Logistic-type Option Pricing with Jump Diffusion", PhD Thesis, Kibabii University.
- Dorcas Katiambo, 2019, "Effectiveness of Classroom Interaction Patterns on Kenyan Secondary School Students' Learning Outcomes in Mathematics", PhD Thesis, Kibabii University.
- Jacinta Mukonyo Mutwiwa, 2019, "Mathematical Modelling of the role of Interference on the Transmission dynamics and management of HIV and AIDS", MSC Thesis, Kibabii University.
- Vincent Nyongesa Marani, 2018, "Modular Representation of Mathieu Group M₂₄ as Linear Codes", PhD Thesis, Kibabii University.
- Yonah Situma, 2018, "EDXRF Spectroscopic Elemental Analysis for Efficacy of Kibabii University Sewage Treatment System", MSC Thesis, Kibabii University.
- Maina Janet Lilian, 2018, "2-Modular Representation of the Unitary Group U₃ (4)", MSC Thesis, Kibabii University.
- David Machas Masai, 2017, "Determinants of Academic Performance on Girls in Secondary Schools in Mount Elgon Sub County, Kenya", MeD Thesis, Kibabii University.
- Nelson Muhati, 2016, "Modeling of the Basic Reproduction Number of HIV and Tuberculosis Co-infection in the presence of Treatment", Msc Thesis, Kibabii University.
- Peter Wamalwa, 2016, "Factors Influencing Teacher Perception towards Implementation of SMASSE in Bungoma County", MEd Thesis, Kibabii University.

External Examination

October 2023 to date- External Examiner in the Department of Curriculum Instruction and Media, Kisii University

Research Interests

- 1. Teacher quality.
- 2. Concept formation in Science and Mathematics.

- 3. Diagnosing learning distress in Secondary and Primary School Science and Mathematics.
- 4. Gender parity in STEM education.
- 5. Teaching practice/School attachment improvement programmes.

Current Research undertaking

- Co-principal investigator, Gender Parity in Stem Education in Kenya (GEPSTEMIC):
 Integrating Pedagogy and Technology to Ensure Resilience, Quality, Equity and Sustainability During and Post-COVID-19[submitted proposal to funders]
- 2. Principal Investigator, Prospects and Barriers to the Implementation of STEM Education in Kenya: A Survey of 9 STEM Schools in Kenya [submitted proposal to funders]
- 3. Researcher, Building Girls Resilience for Education beyond the COVID-19 in Kenya [submitted proposal to funders]

Hobbies

Watching documentaries Listening to music Dancing

Referees

Prof. Ipara Odeo Kibabii University P.O Box 1699-50200 BUNGOMA.

Prof. Julius Maiyo Kibabii University P.O Box 1699-50200 BUNGOMA.

Prof. Mbugua Samwel Kibabii University P.O Box 1699-50200 BUNGOMA.