

**JANE GATHIGIA MURIITHI, PhD.**  
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#### SUMMARY OF EXPERIENCE AND QUALIFICATIONS

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Dr. Muriithi holds a PhD degree in Finance from Jomo Kenyatta University of Agriculture and Technology (2016), MSc in finance and Investments from Kenya Methodist University (2011) and Bachelor of Science (Statistics and computer science) from JKUAT (1999). She is a registered student at Institute of Actuaries, UK and a member of Doctorial Association of East Africa. An editor of The University Journal, DAEA.

Dr. Muriithi is currently a Senior Lecturer and Exam Coordinator in School of Business and Economics at Africa International University, AIU, and (formerly NEGST). She has been teaching and supervising postgraduate students at AIU. She is a program leader -Bachelor of Accountancy and Financial Management and appointed faculty representative member of Hospitality and conferencing committee. She has been an adjunct lecturer at USIU and JKUAT for postgraduate courses. She has published several papers on finance in various internationally peer reviewed journals and also presented papers at several conferences.

Dr. Muriithi has 17 years of experience in Portfolio Management and Actuarial in Insurance industry. She has acquired academic training, knowledge, analytical skills, management skills, financial modelling and experience in financial industry. She has the potential to equip the students with required knowledge for industrial and market practice. She also worked at JKUAT as a full time Tutor and Part time tutor at National Youth Service (Engineering Department) before joining the Insurance industry

#### ACADEMIC QUALIFICATIONS

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**Doctor of Philosophy (Finance) degree**, Jomo Kenyatta University of Agriculture and Technology, Kenya, 2016

**Master of Science, (Finance and Investment,)** Kenya Methodist University, 2011

**Bachelor of Science (Statistics and Computer Science) (1<sup>st</sup> Class Honours)**, Jomo Kenyatta University of Agriculture and Technology, Kenya, 1999

**Kangubiri Girls High School**, Kenya Certificate of Secondary Education (K.C.S.E.) Mean grade B (Plain), 1993

#### PROFESSIONAL QUALIFICATIONS

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Acquired the following Actuarial Science professional papers, **Institute of Actuaries (UK)**

- Actuarial mathematics
- Financial mathematics
- Economics
- Probability and Statistical Methods
- Business Awareness Module

**TEACHING EXPERIENCE****Africa International University (formerly NEGST), School of Business and Economics  
September 2017 to Date: Senior Lecturer of finance**

Responsibilities: Teaching finance and Statistics courses and research supervision.

**Examination coordinator** in School of Business and Economics

**Academic Advisor and Mentor** for Bachelor of Accountancy and Financial Management program

**United State of America University (USIU)****January 2019 to Date: Adjunct lecturer**

Responsibilities: Lecturing courses such as Financial Modelling, Financial Information Systems, Investments, Portfolio Management and derivatives, Emerging issues in finance.

**University of Rwanda (UR) -College of Business and Economics (CBE),  
Adjunct Lecturer (December 2019).**

Responsibilities: Teaching and Assessing PhD course of quantitative Methods

**Jomo Kenyatta University of Agriculture and Technology (Department of Economics,  
Accounting and Finance)****May 2014 to date Part time lecturer**

Responsibilities: Lecturing postgraduate (PhD and MSc students) courses such as Financial Econometrics, Statistics for Business Research, Quantitative Finance, Financial modelling, Securities Evaluation and Analysis, Asset Pricing, Financial Economics, Quantitative Modelling for Finance, Financial derivatives, Financial Management, Corporate Finance and Risk Management among others

**Mount Kenya University, Nairobi Campus (School of Business and Economics)****January 2014 to December 2018**

Responsibilities: Teaching in areas of Finance and Actuarial Mathematics units.

**Jomo Kenyatta University of Agriculture and Technology (Department of Mathematics and  
Computer Science)****May 1999 to May 2000: Full-Time Teaching Assistant**

- Teaching undergraduate and diploma levels.
- Developing the teaching materials and supplementary notes for the classes
- Preparing and supervising the examinations
- Evaluating and grading examinations, assignments and papers and recording grades
- Assisting and guiding the undergraduate students in their research/ projects.

**National Youth Service, NYS (Engineering Department)****May 1999 to Dec 2000: Part Time Tutor**

- Offer tuition in mathematics and quantitative techniques
- Administer examinations and CAT's ; Develop learning and teaching materials
- Teaching, lecturing, demonstrating and conducting tutorials as was being determined by the Head of Engineering department.

## PUBLICATIONS

1. **Muriithi J.G.**, Muturi,W.M. & Waweru.K.M.(2016).The Effect of Market Risk on Financial Performance of Commercial Banks in Kenya. *Journal of Finance and Accounting*. Vol. 4, No. 4, 2016, pp. 225-233. doi: 10.11648/j.jfa.20160404.18[Available in print and electronic form at:  
<http://article.sciencepublishinggroup.com/html/10.11648.j.jfa.20160404.18.html>]
2. **Muriithi J.G.**, Waweru.K.M.& Muturi,W.M (2016). The Effect of Credit Risk on Financial Performance of Commercial Banks in Kenya. *Journal of Finance and Accounting*. Vol. 4, IOSR *Journal of Economics and Finance* (IOSR-JEF) e-ISSN: 2321-5933, p-ISSN: 2321-5925.Volume 7, Issue 4. PP 72-83  
www.iosrjournals.org. [Available in print and electronic form at:  
<http://www.iosrjournals.org/iosr-jef/pages/vol.7i4%20Version-1.html>]
3. **Muriithi J.G.** (2017). Analysis of the Effect of Operating Cost on Financial Performance of Occupational Pension Schemes in Kenya. *International Journal of Economics, Commerce and Management*. United Kingdom Vol. V, Issue 2 PP 157-176 [Available in print and electronic form at: <http://ijecm.co.uk/volume-v-issue-2/> ]
4. **Muriithi J.G.**, and Waweru.K.M. (2017). Liquidity Risk and Financial Performance of Commercial Banks in Kenya. *International Journal of Economics and Finance*; Vol. 9, No. 3; 2017 ISSN 1916-971X E-ISSN 1916-9728. [Available in print and electronic form at: <http://dx.doi.org/10.5539/ijef.v9n3p>]
5. Muigai R., G. & **Muriithi J.G.** (2017). The Moderating Effect of Firm Size on the Relationship between Capital Structure and Financial Distress of Non-Financial Companies Listed in Kenya. *Journal of Finance and Accounting*. Vol. 4, No. 4, 2016, pp. 225-233. doi: 10.11648/j.jfa.20160404.18[Available in print and electronic form at:  
<http://article.sciencepublishinggroup.com/html/10.11648.j.jfa.20160404.18.html>]
6. **Muriithi J.G.**, and Gitau R.W. (2017). Quantitative analysis on Operational Risk and Profitability of Kenyan Commercial Banks using Cost Income Ratio. *Journal of Economics and Finance* (IOSR-JEF) e-ISSN: 2321-5933, p-ISSN: 2321-5925.Volume 7, Issue 4. PP 72-83  
www.iosrjournals.org.[Available in print and electronic form at:  
<http://www.iosrjournals.org/iosr-jef/pages/submit-an-article.html>]
7. **Muriithi J.G.**, and Waweru.K.M. (2017). Operational Risk, Bank Size and Financial Performance of Commercial Banks in Kenya. *Journal of Finance and Banking Studies*. IJFBS, VOL 6 NO 3 ISSN: 2147-4486 pp39-50 Available in print and electronic form at:  
<http://www.ssbfnct.com/ojs/index.php/ijfbs/issue/view/51>
8. Cynthia C.S., Memba F.,& **Muriithi.J.** (2021). Financial Knowledge and Retirement Planning among Pension Scheme Members in Kenya. *Research Journal of Finance and Accounting*. ISSN 2222-1697 (Paper) ISSN 2222-2847 Vol.12, No.14, 2021<https://www.iiste.org/Journals/index.php/RJFA/article/view/56931/58788>

9. Waga C.S., Memba F. & **Muriithi J.** (2021). Financial Behaviour and Retirement Planning in Kenya, Assessing the Role of Self-Control Bias. *European Scientific Journal, ESJ*, 17(23), 348. <https://doi.org/10.19044/esj.2021.v17n23p348>
10. Mwangi,F.N., Kinyua,L.,& **Muriithi, J.** (2022). Change Management and Implementation of Enterprise Resource Planning Systems in Africa: A Case of Coca-Cola Central, East, and West Africa Headquarters. *Journal of Human Resource and Leadership* Vol. 2, No. 1, pp.18-24: ISSN2790-010X
11. Tarus, K. T., Kinyua, L., & **Muriithi, J.** (2022). Influence of Social Innovation on Organizational Effectiveness of Non-Profit Organizations: A Case of Gotabгаа International in the United States of America. *The University Journal*, 5(1), 1-12.
12. Ishmail, D. M., Memba, F., **Muriithi, J.** (2023). Operational risk and financial performance of microfinance banks in Kenya. *International Academic Journal of Economics and Finance*, 3(8), 265-278.
13. Ishmail, D. M., Memba, F., **Muriithi, J.** (2023). Credit risk and financial performance of microfinance banks in Kenya. *Journal of Economics and Finance (IOSR-JEF)* e-ISSN: 2321-5933, p-ISSN: 2321-5925. Volume 14, Issue 1 Ser. II (Jan. – Feb. 2023), PP 67-74 [www.iosrjournals.org](http://www.iosrjournals.org).

#### MEMBERSHIPS AND ADVISORY WORK

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1. Editor, The University Journal, DAEA

#### CONSULTANCIES

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1. Involved in PhD of Business Administration and Management Curriculum Development for Africa International University, Kenya, 2018.
  2. Chairperson and Financial advisor of La-Neo Pillars Women Group
  3. Secretary of Boresha Maisha Women Group
  4. Financial advisor of Biashara Community Sacco Limited

#### COMPLETED POSTGRADUATE RESEARCH SUPERVISION

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1. Bukuru Cyprien, 2018. *Factors affecting Small business growth at Dagoreti Market in Kiambu County*. Africa International University. Unpublished MBA Research Project
  2. Njoroge Samuel, 2018. *Factors affecting Outsourcing of Services by Church based institutions in Kenya. A case study of Anglican Church of Kenya, Diocese of Mount Kenya South*. Africa International University. Unpublished MBA Research Project
  3. Wanjohi Samuel, 2018. *Impact of Ethical Leadership on Organizational Performance of Non- Profit Organizations in Kenya*. Africa International University. Unpublished Masters Research Project

4. Timoi Jane, 2018. *Factors affecting employee adaptability in higher learning institutions in Kenya. A case study of Africa International University*, Africa International University Unpublished Masters Research Project
5. James Khan, 2018. *Factors affecting leadership success in the Presbyterian Churches of South Sudan: A case study of malakal parish*". Africa International University. Masters Research thesis.
6. Dinah Elegwa:2019 *Effect of Leadership on Students' Enrolment in Christian Institutions of Higher Learning: A Case of Karen Christian College*. Africa International University Masters Research thesis.
7. Susan Kabuki, 2019. *Effect of reward management strategies on Employee Performance in Private Christian Universities: A Case of Africa International University*. Masters Research Thesis, Africa International University
8. Alice Njoroge, 2019. *Factors affecting leadership performance in children ministry of Nairobi Baptist Church in Kenya*. University. Masters Research Thesis, Africa International University
9. Pamba D. S, 2019. *Influence of family dynamics on the psychosocial development of pastors' adolescent children in New Testament Church of God Kenya*. Masters Research Thesis, Africa International University
10. Prince Obed, 2019. *Effect of Strategic management on Employee Performance in Private Universities: Masters Research Thesis*, Africa International University
11. Edina Randich Kalapata, 2020. *Factors Affecting Women's participation in Church Leadership: A Case of Bible Christian Faith Church* Masters Research Thesis, Africa International University

#### **ONGOING POSTGRADUATE RESEARCH SUPERVISION**

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1. Stella Waga: *Influence of financial literacy on retirement planning among pension scheme members in Kenya*. PhD Research thesis, Jomo Kenyatta University of Agriculture and Technology
2. Daniel Mwasa: *Central Bank regulatory requirements and financial performance of microfinance banks in Kenya*. PhD Research thesis, Jomo Kenyatta University of Agriculture and Technology
3. Caspah Lidiema: *Foreign Capital Flows and Stock Market Development at Nairobi Securities Exchange in Kenya*. PhD Research thesis, Jomo Kenyatta University of Agriculture and Technology
4. Muhia N.: *Investment choice and portfolio performance of investment firms trading at the Nairobi securities exchange in Kenya*. DBA Dissertation, United States International University – Africa
5. Zakayo Bugota: *Effects of Strategic Leadership on Employees' Performance at Africa Inland Church, Diocese of Mwanza in Tanzania*. Masters Research Thesis, Africa International University

6. Catherine mwikali munyaka: *The role of human resource management in employee retirement preparedness in christian institutions of higher learning in Kenya*. Masters Research Thesis, Africa International University
7. Ashimolowa Oluwatomisin: *Changing business environment and international business sustainability in Africa: A case study of GT Bank Kenya*. Masters Research Thesis, Africa International University

#### CONFERENCES WORKSHOPS PARTICIPATED AND PAPERS PRESENTED

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1. *Sustainability of excellence in teaching and learning in a changing world: Riding the tides*. Quality assurance annual symposium on 25th-26th August, 2022 at USIU-Africa.
2. *Sustainable Governance for Africa, 3<sup>rd</sup> Annual Conference Corporate Governance by Institute of Directors, Hotel Intercontinental on 26<sup>th</sup> September 2019*
3. Muriithi J.G., Waweru.K.M.& Muturi,W.M ,2018. The Effect of Credit Risk on Financial Performance of Commercial Banks in Kenya. *Presented at the Co-operative University of Kenya, Nairobi , 2<sup>nd</sup> Annual Conference, (26<sup>th</sup> -27<sup>th</sup> March 2018)*
4. Management Development Programmes (June, 2016)
5. Understanding Profitability and Loss Indices in Pension and Life business (August,2012)
6. Presenting papers on Actuarial Science in Universities such as Moi University and Keriri Womens University (September 2013 and August 2010)
7. Empowering the women in Science and Mathematics in Chiromo Campus (June, 2000)

#### INDUSTRIAL EXPERIENCE

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**June 2000 to September 2017: ICEA LION Life Assurance Company (formerly Insurance Company of East Africa Limited)**

**Position: Assistant Manager in Portfolio Management and Actuarial Services Department**

Reporting to the Manager, as the head of the Deposit Administration and Actuarial Services Department,

**Responsibilities: Portfolio management**

1. Administering the annuity business portfolio
2. Carrying out the investment analysis of the Pension fund
3. Ensuring that the schemes under our administration and management are in full compliance to the legislative framework governing the retirement benefits sector being the Income Tax Act and the Retirement Benefits Act along with the attaching regulations relevant to our scope of business
4. Preparation of fund value statements for the pension schemes annually.
5. Preparation of the individual member balances and certificates for pension schemes.
6. Advising retiring/transferring members on the annuity options and investment opportunities available for their exploration
7. Facilitating the auditing of pension schemes
8. Continuous monitoring of the departmental registers to ensure adherence to service level standards;
9. Ensuring that member details and benefits/benefit statements are correct and updated in the system

10. Ensuring that member details and benefits/benefit statements are correct and updated in our system;
11. Working out and advising the claims department on withdrawal benefits for ex-members and retirees of provident fund schemes

### **Actuarial Services**

1. Using financial modeling techniques and statistical concepts to determine probability and assess risks and give best estimates; implementing the actuarial control cycle
2. Performing quarterly valuations and preparing presentations and reports explaining the implications to managers and directors including advice on their emerging risks and implications
3. Analysis of industry statistics and monitoring of key metrics including those supporting credit ratings
4. Provide statistical analysis and modeling for the risk management function
5. Drive the implementation of asset liability matching and modeling
6. Calculation of all insurance contract reserves
7. Analyzing statistical data in order to determine rates for different risks in acceptance of proposals for new policies and products in conjunction with the underwriting department
8. Monitoring risk within business positions to ensure excessive risks are not taken during the fast pace of business execution
9. Monitor the level of profitability and performance of new and existing products
10. Providing technical support to the marketing function as they obtain market intelligence by researching and identifying new products and new business areas and ideas
11. Guide and drive all statistical modeling to support statutory and non-statutory actuarial valuations and capital reserves
12. Provide analysis to support the application of appropriate reinsurance arrangements
13. Analysis of industry statistics and monitoring of key metrics including those supporting credit ratings
14. Provide statistical analysis and modeling for the risk management function

### **Jan1999-July 1999: Ongata Rongai Supermarkets**

#### **Position: Operations Manager**

1. Estimate consumer demand and determine the types and amounts of goods to be sold.
2. Formulate pricing policies for merchandise, according to profitability requirements.
3. Establish credit policies and operating procedures.

#### **TRAININGS ATTENDED**

1. "Excellence in Execution" A Performance Management Program by Virtual HR November 2013
2. Leading High Performance Teams: Management Skills Development by Raiser Resource Group December 2013
3. Customer Service and Experience by The LR Management Group –Several e-learning courses have been undertaken.
4. Anti-Money Laundering and Countering Financing of Terrorism course in Insurance Personnel and Brokers August 2014 at Kenya School of Monetary Studies
5. IFRS 9 Reporting November 2016 by PriceWaterHouse Coopers Kenya Limited at
6. Breaking Actuarial boundaries October 2016 at Radisson Blu Nairobi –TASK convention 2016

7. Changing Regulatory Environment October 2015 at Hotel Intercontinental Nairobi –TASK convention 2015

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### RESEARCH INTERESTS

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1. Financial Economics
2. Risk management and Financial derivatives application in financial services industry

### SKILLS/KNOWLEDGE

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1. Excellent in Statistical and Financial/Actuarial analysis
2. Excellent use of Excel, Word, PowerPoint
3. Knowledge of statistical packages (e.g. Stata, Eviews, etc)
4. Problem solving skills with attention to detail
5. Proficient knowledge on the Portfolio management in Pension and Life Insurance industry in Kenya

### LEADERSHIP AND COMMUNITY SERVICES

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1. Academic Advisor of Kiangi Primary School
2. Secretary of Kenyu na Kenyu Welfare group
3. Treasurer of Ruiru Boresha Maisha Women Group
4. Chairlady of La-Neo Pillars Women Group
5. Member of Visitation and Women ministries with Christ is the Answer Ministry

### PERSONAL INFORMATION

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**Marital Status:** Married

**Religion:** Christian

### REFEREES

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1. Prof. J.M. Kihoro,  
Professor of Applied Statistics  
Director, Computing and eLearning  
The Cooperative University of Kenya  
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2. Prof. K. M. Waweru, CIFA.,  
Director, Academic Quality Assurance and;  
Associate Professor, Department of Finance and Accounting,  
The Co-operative University of Kenya, Karen, NAIROBI  
Email: kwaweru@cuk.ac.ke  
Cell Phone: +254721344475
3. Dr. Robert Gitau  
Senior Lecturer of Finance  
Kirinyaga University  
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