# CURRICULUM VITAE

**1. Surname:** Kinyanjui

**Other names:** Josphat Kamau

**2. Current Address:** School of Pure and Applied Sciences,

Karatina University,

P.O. Box 1957 – 10101,

Karatina.

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**3.** **PERSONAL INFORMATION:**

**Date of birth:** 14-11-1969 **Nationality:** Kenyan

**Sex:** Male **Marital Status:** Married

**4. CAREER OBJECTIVE:**

Become a valuable member of a team that optimizes institutional productivity through on-the job training and personal development. Through my contribution to the mission, vision and objectives of the institution, achieve a merit-based rise from operational level to the policy making level.

**5. ACADEMIC BACKGROUND:**

**5.1. Basic Education**

**Name and address of From/to Certificates obtained Institution**

St. Mary’s Boarding School 1976 – 1982 Certificate of Primary Education (CPE)

**5.2. Higher Education**

**Name and address of From/to Certificates obtained**

**Institution**

Sagana Technical School, 1983-1986 Kenya Certificate of Education (KCE)

Box 24, Sagana, Kenya.

Githumu High School, 1987-1988 Kenya Advanced Level Certificate (KACE)

Box 468, Thika, Kenya.

**5.3. Undergraduate University Education**

**Name and address of From/to Certificate obtained**

**Institution**

Moi University, 1989-1992 B.Sc. (First-Class Honours Degree)

Box 3900, Eldoret, Kenya.

**5.4. Post-Graduate University Education**

**Name and address From/to Certificates obtained**

**Institution**

Moi University, 1993-1995 M. Phil in Mathematics (Biostatistics)

Box 3900, Eldoret, Kenya.

LimburgsUniversitair Centrum, 1999-2000 M.Sc. in Applied Statistics

Diepenbeek, Belgium.

LimburgsUniversitair Centrum, 2000-2001 M.Sc. in Biostatistics

Diepenbeek, Belgium.

Moi University, 2003-2007 D. Phil in Biostatistics

Box 3900, Eldoret, Kenya.

**6. WORKING EXPERIENCES:**

* 1996 – 1997: Part-time Lecturer, Moi University, Eldoret, Kenya.
* 1997 – 2008: Tutorial Fellow, Moi University, Eldoret, Kenya.
* 2008 – 2010: Lecturer, Moi University, Eldoret, Kenya.
* 2010 – July, 2011: Lecturer, Karatina University, Kenya.
* August, 2011 – January 2015: Senior Lecturer, Karatina University, Kenya.
* February 2015 – To date: Associate Professor, Karatina University, Kenya.

**7. DEPARTMENTAL, SCHOOL AND UNIVERSITY ADMINISTRATION EXPERIENCES:**

* 1997 – 1999: School Timetable and Examination Coordinator, School of Science, Moi University.
* 2003 – 2006: Campus Timetable and Examination Coordinator, Chepkoilel Campus.
* 2006 – 2008: B.SC (Applied Statistics with Computing) programme Coordinator, Department of Mathematics and Computer Science, Chepkoilel Campus.
* 2008 – 2010: School of Science programmes Coordinator, Central Kenya Campus, Moi University.
* 2010 – 2014: Ag. Information and Communications Technology Director, Karatina University.
* 2010 – 2011: Ag. Dean, School of Pure and Applied Sciences, Karatina University College.
* 2011 – To date: Dean, School of Pure and Applied Sciences, Karatina University.

**8. PUBLICATIONS AND RESEARCH UNDERTAKEN:**

1. On Bayesian Estimation of Parameters of Weibull and Pareto Distributions Using

Linex Error Loss Function.*M.Phil (Mathematics (Biostatistics)) Thesis (1995), Submitted to Moi University, Eldoret, Kenya.*

1. The Achilles Project: The quality of Life Analysis. *M.Sc (Applied Statistics) Project (2000), Submitted to LimburgsUniversitair Centrum, Diepenbeek, Belgium.*
2. A clinical study investigating the characteristics of recurrence of symptoms after withdrawing treatmentwith ZELMAC® drug in patients with constipation-predominant irritable bowel syndrome. *M.Sc (Biostatistics) Project (2001), Submitted to LimburgsUniversitair Centrum, Diepenbeek, Belgium.*
3. Some Optimal Designs for Second-degree Kronecker Model Mixture Experiments. *D.Phil ((Biostatistics)) Thesis (2007), Submitted to Moi University, Eldoret, Kenya.*
4. Kinyanjui, J.K., Korir, B.C. and Koske, J.K. (2008). A clinical study investigating the characteristics of recurrence of symptoms after withdrawing treatmentwith ZELMAC® drug in patients with constipation-predominant irritable bowel syndrome. *East African Journal of Pure and Applied Sciences (EAPAS),***Vol. 1,** 125 – 132.
5. Korir, B.C., Kinyanjui, J.K., and Koske, J.K. (2008). An Application of a Four – Component Simplex-Centroid Design for the Second-degree Mixture Models: The Formulation of a Tropical Beverage. *East African Journal of Pure and Applied Sciences (EAPAS),***Vol. 1,** 113 – 120.
6. Kinyanjui, J.K., Koske, J.K. and Korir, B.C. (2009). Optimal Kiefer ordering of Simplex Designs for Second-degree mixture models with three ingredients: An application to the blending chemical pesticides for control of termites. *Journal of Agriculture, Pure and Applied Sciences and Technology (JAPAST),***Vol. 2,** 45 – 63.
7. Korir, B.C. ,Kinyanjui, J.K., and Koske, J.K. (2009). Kiefer ordering of Simplex Designs for Third-degree mixture models with two ingredients: *Journal of Agriculture, Pure and Applied Sciences and Technology (JAPAST),***Vol. 3,** 11 – 22.
8. Mutiso, J.M. and Kinyanjui, J.K. (2010). Orientwide Kenya Tourism Industry (1971 – 1980). *Journal of Mathematical Sciences*, **Vol. 21**, 223 – 232.
9. Mutiso, J.M. and Kinyanjui, J.K. (2011). Non Kenyan Africawide Kenya Tourism Industry (1971 – 1980). *Journal of Mathematical Sciences*, **Vol. 22**, 21 – 30.
10. Keter, K.A, Otieno, R.A., and Kinyanjui, J.K. (2011). Sample Size For A Randomized Paired Screen Positive Design. *Journal of Biostatistics,* **Vol. 6, Number 2, PP 97** – 108.
11. Mutiso, J.M. and Kinyanjui, J.K. (2012). Occidentwide Kenya Tourism Industry (1971 – 1980). *Journal of Mathematical Sciences*, **Vol. 24**, **No. 1,**27 – 36.
12. Mutiso, J.M. and Kinyanjui, J.K. (2013). Worldwide Kenya Tourism Industry (1971 – 1980). *Journal of Mathematical Sciences*, **Vol. 24**, **No. 2,** 65 – 74.
13. Ngigi, P.K., Koske, J.K., Kinyanjui, J.K., and Kerich, G.K. (2012). Optimal Second-degree Kronecker Model Mixture Experiments with Two, Three, and Four ingredients. *Universal Journal of Mathematics and Mathematical Sciences (UJMMS),* **Vol. 2, Number 2,** 195 – 213.
14. Koske, J.K., Kinyanjui, J.K., Mutiso, J.M., and Cherutich, M.R. (2012). Information Matrices for Non-Maximal Parameter Subsystems for Second-Degree Mixture Experiments. *American Journal of Mathematics and Mathematical Sciences (AJMMS),* **Vol. 1, Number 2,** 155 – 160.
15. Latifa, S.O. and Kinyanjui, J.K. and Mutiso, J.M. (2013). GARCH Modelling in Share Prices for Specific Companies in Kenya. *American Journal of Mathematical Sciences and Applications (AJMSA),* **Vol. 1, Number 1,** 5 – 12.
16. Latifa, S.O. and Kinyanjui, J.K. and Mutiso, J.M. (2013). GARCH Modelling in Monthly Foreign Exchange in Kenya. *American Journal of Mathematical Sciences and Applications (AJMSA),* **Vol. 1, Number 1,** 13 – 19.
17. Kerich, G.K., Kinyanjui, J.K., Koske, J.K, and Korir,B.C.(2014). D – Optimal Designs for Third – degree Kronecker Model Mixture Experiments: An Application to Artificial Sweetener Experiment. *IOSR Journal of Mathematics,* **Vol.10,** Issue 6, Version II, pp 32 – 41.
18. Keter, K.A, Otieno, R.A., and Kinyanjui, J.K. (2014). Relative Accuracy of The Screening Tests When the Absolute Determination of the Disease Status is not feasible. *Biometrics & Biostatistics International Journal,* ***Vol.1***, Issue Number 3.
19. Beryl, A, Mwalili, S, and Kinyanjui, J.K. (2015). Multinomial Logit Modelling of Factors Associated with Multiple Sexual Partners from the Kenya Aids Indicator Survey, 2007. *Journal of Theoretical and Applied Statistics*, **Vol. 4, Number 3,** 170 – 177.
20. Margaret, K., Koske, J.K. and Kinyanjui, J.K. (2016). D – Optimal Rotatable Central Composite Designs Constructed Through Resolutions. *Mathematical Theory and Modelling Journal*, **Vol.6**, No. 7, 2016.
21. Margaret, W., Koske, J.K. and Kinyanjui, J.K. (2016). I – Optimal Rotatable Central Composite Designs. *Imperial* *Journal of Interdisciplinary Research*, **Vol.2**, Issue 10, 2016.
22. Kiai, R.M., Ng’ang’a, S.I., Kiragu, D.N., and Kinyanjui, J.K (2016). Effect of Information and Communication Technology Capability on Investment among Financially Included Youths in Nyeri and Kirinyaga Counties, Kenya. *International Journal of Economics, Commerce and Management*, **Vol.IV**, Issue 9.
23. Kiai, R.M., Ng’ang’a, S.I., Kiragu, D.N., and Kinyanjui, J.K (2016). Effect of Business Environment on Investment among Financially Included Youth in Kenya. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, **Vol.6**, Number 4, pp 109 – 121.
24. Kiai, R.M., Ng’ang’a, S.I., Kiragu, D.N., and Kinyanjui, J.K (2016). Effect of Financial Capability on Investment among Financially Included Youth: Case of Nyeri and Kirinyaga Counties in Kenya. *International Journal of Advanced Research*, **Vol.4**, Number 8, pp 446 – 454.

**9. PARTICIPTION IN INTERNATIONAL CONFERENCES, WORKSHOPS AND SEMINARS.**

1. European Mathematical Genetics Meeting. Held on April 13, 2000 at Limburgs

Universitair Centrum, Belgium.

1. Workshop on Statistical Inference. Held on April 10-12, 2000 at Limburgs

Universitair Centrum, Belgium.

1. Campus-wide Research Workshop. Held on 28th April, 2006 at Moi University, Eldoret.
2. 2nd Annual International Conference. Held on 25th August, 2006 at Moi University, Eldoret.
3. 4th Annual International Conference. Held on 25th August, 2008 at Moi University, Eldoret.
4. 5th Annual International Conference. Held on 4th August, 2009 at Moi University, Eldoret.
5. The Leadership Training Workshop. Held on 31st October, 2009 at Central Kenya Campus, Karatina.
6. Kenya Institute of Management workshop on Public Procurement & Disposal ACT 2005 and Regulations 2006. Held on 16th – 17th May, 2012 at Karatina University, Main Campus.
7. 1st International Conference on Natural Resources. Held on 25th July, 2012 at Karatina University College, Karatina.
8. Trainer in a Research Proposal Writing Training Workshop organized by Kenya DAAD Scholars Association in collaboration with the German Academic Exchange Service (DAAD) and National Council for science and Technology (NCST). Held on 1st August, 2012 at Karatina University College, Karatina.
9. First Kenyatta University Workshop on Mathematical Modelling, 2013. Held on 17th June, 2013 at Kenyatta University.
10. National Multiplication Training on Curriculum Development and Review for Newly Chartered Public Universities in Kenya: Implementation and Accreditation. Held on 2nd – 4th December, 2013 at Nakuru.
11. National Multiplication Training on Curriculum Development and Review for Newly Chartered Public Universities in Kenya: Implementation and Accreditation – Part 2. Held on 4th – 6th June, 2014 at Nakuru.
12. Strategic Planning Workshop, 2014. Held on 8th – 10th October 2014 organised by the Kenya School of Government.

**10. POSTGRADUATE SUPERVISION:**

1.Ngigi Peter Kung’u.Thesis Title: Optimality Criteria for Second-Degree Kronecker Model Mixture Experiments with Two, Three and Four Ingredients. *M.Phil Thesis Submitted to Moi University, Eldoret, Kenya. [Graduated in July, 2009]*

2. Keter Alfred Kipyegon. Thesis Title: Bayesian Estimation of Relative Accuracy of the Screening Tests when Absolute Determination of Disease Status is not Feasible: Randomized Paired Screen Positive (RPSP) Design. *M.Phil Thesis Submitted to Moi University, Eldoret, Kenya. [Graduated in December, 2010]*

3. Mike Rutto Cherutich. Thesis Title: Design with Optimal Values for Second-Degree Kronecker Model Mixture Experiments. *M.Phil Thesis, Submitted to Moi University,Eldoret, Kenya.[Graduated in December, 2013]*

4. Latifa Said Omar. Thesis Title: GARCH Modelling in Monthly Foreign Exchange and Share Prices for Specific Companies in Kenya. *M.Phil Thesis, Submitted to Moi University,Eldoret, Kenya. [Graduated in December, 2013]*

5. Kerich Gregory. Thesis Title: Optimal Designs for Third-Degree Kronecker Model Mixture Experiments. *PhD Thesis, Submitted to Moi University, Eldoret, Kenya.[Graduated in December, 2012]*

6. James Ngugi Kanoga: Thesis Title: Construction of Modified Third Order Rotatable Designs Using A Pair Of Dissimilar Design Blocks. *M.Phil Thesis (2015), Submitted to the University of Eldoret, Kenya. [Graduated in December, 2015]*

7. Morris Kinyua King’ang’i: Thesis Title: A Parametric Bayesian Estimatimation of Younden Index For a Two and Three Way Classification of a Diagonistic Marker. *M.Phil Thesis (2015), Submitted to the University of Eldoret, Kenya. [Graduated in December, 2015]*

8. Ang’iro, Beryl Anyango: Thesis Title: Multinomial Logit Modelling of Factors Associated with Multiple Sexual Partners From The Kenya Aids Indicator Survey, 2007. *MSc (2015), Submitted to the Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya [Graduated in May, 2015 at JKUAT].*

9. Richard Kiai: Thesis Title: Determinants of Financial Inclusion On Investment Among The Youth in Kenya. *PhD Thesis (2016), Submitted to Karatina University, Kenya [Graduated in November, 2016 at Karatina University].*

10. Kinyua, Margaret Wambui: Thesis Title: Construction of Rotatable Designs through Resolutions. *PhD Thesis (2017), Submitted to Moi University, Kenya [Graduated in December 2017 at Moi University].*

11. Mburia, Beth Wairimu: Thesis Title: Moderating role of entrepreneurial orientation on the relationship between best manufacturing practices and firm performance of food processing firms in Kenya. *PhD Thesis (2017), Submitted to Karatina University, Kenya [Graduated in December 2017 at Karatina University].*

12. Waweru Jackson Njau: Thesis Title: The Influence of Alternative Finance and Conduct on The Relationship Between Characteristics and Efficiency of Small and Medium Enterprises in Kenya. *PhD Thesis (2017), Submitted to Karatina University, Kenya [Currently undertaking Research].*

13. Margret Nyambura Munyua: Thesis Title: Mediating Role of Self-Efficacy on Vocational Training and Entrepreneurial Intention among Physically Challenged Students in Kenya: (A Case Study Of Nairobi County). *PhD Thesis (2015), Submitted to Karatina University, Kenya [Currently undertaking Research].*

14. Ruth Wanjiku Muriithi: Thesis Title: Moderating role of Entrepreneurial Orientation on the Relationship Between Organizational Culture and Performance of Christian Faith Based Hotels in Kenya. *PhD Thesis (2015), Submitted to Karatina University, Kenya [Currently undertaking Research].*

15. Bernard Ndirangu Wachira. Thesis Title: Analysis of Credit Risk Control On Performance Of Non-Prime Household Loans In Microfinance Banks In Kenya. *PhD Thesis (2015), Submitted to Karatina University, Kenya [Submitted Final Thesis; Thesis undergoing examination].*

16. Siamba, Stephen Nyongesa: Thesis Title: Evaluation Of Linkage To HIV Care Outcomes Using Propensity Score Analysis: Adjustment Via

Mahalanobis Metric Matching. *M.Phil Thesis (2013), Currently Undertaking Research at the University of Eldoret, Kenya.*

17. Ngigi Peter Kung’u: Thesis Title: Optimal Slope Designs For Second

Degree Kronecker Model Mixture Experiments. *PhD Thesis (2013)*

*Submitted to Moi University, Eldoret, Kenya. [Currently*

*Undertaking Research at Moi University]*

18. Kariuki, Peter Wandurua: Thesis Title: Evaluation of Determinants of Employee’s Turnover in Kenyan Public Universities. *PhD Thesis (2014), Submitted to Karatina University, Kenya [Currently Undertaking Research at Karatina University].*

19. Kuria, Joseph Gikonyo: Thesis Title: Optimal Third Order Rotatable Designs Using Cyclic Designs. *PhD Thesis (2014), Submitted to Moi University, Kenya [Currently Undertaking Research].*

**11. UNDERGRADUATE SUPERVISION:**

* Have supervised Thirty (30) B.Sc (Applied Statistics with Computing) Fourth year projects.

**12. INTERNAL EXAMINATION FOR DOCTOR OF PHILOSOPHY THESIS:**

Have examined the following Doctor of Philosophy Thesis:

1. Modeling Competition and Technology to Yield Advantageous Products in Micro and Small Agro-Food Processing Firms in Kenya

By Ommilo Francis Okumu. (B301/1945/P/13)

**13. INTERNAL EXAMINATION FOR MASTER OF PHILOSOPHY THESIS:**

Have examined the following Master of Philosophy Thesis:

1. Bose-Einstein Condensation (BEC) in Nonextensive Statistical Mechanics.

By Obota, Stanlous (SC/PGP/03/06)

2. A Proto-type Solar Airtime Thermal Collector.

By Maritim, Kiprotich Joseph (SC/PGP/12/06)

3. Factors contributing to declining enrolment in Physics among secondary school students in Murang’a south district, Murang’a County, Kenya.

By Kimani, Gilbert Ng’ang’a (KUC/MEA/4509/12).

4. Impact of student Councils on Management of Discipline in secondary schools in Kirinyaga East District, Kenya.

By Murage, Lucy Muthoni (KUC/MEA/4501/12).

**14. EXTERNAL EXAMINATION**

2013 – 2015**,** An External Examiner (Statistics) at Carissa University College

2017 – 2020**,** An External Examiner (Statistics) at Allupe University College

**15. SCHOLARSHIPS RECEIVED:**

* Moi University Scholarship to undertake a Master of Philosophy Degree in Biostatistics at Moi University (1995 - 1996).
* Vlaamese Interuniversity Raad (VLIR) Scholarship to undertake a Master of Science (Applied Statistics) and Master of Science (Biostatistics) Degrees at LimburgsUniversitair Centrum, Diepenbeek, Belgium (1999 – 2001).
* DeutscherAkademischerAustauschDienst (DAAD) Scholarship to undertake a Doctor of Philosophy Degree in Biostatistics at Moi University (2003 - 2006).

**16. COMPUTER EXPERIENCE:**

I have working knowledge of the following Computer Programs:

SAS, S-Plus, R-, STATA, SPSS and several other statistical application packages

**17. OTHER UNIVERSITY ROLES PLAYED**

* Returning Officer in KUSA elections
* Chairman, Various Tender Technical Evaluation Committees
* Chairman, Various University Senate Committees
* Member, University Budget Committee

**18. PROFFESSIONAL MEBERSHIP**

Member of Kenya National Statistical Society