

## **HENRY NATHAN WATI**

**Ph.D. – Maths Education- MMUST (ongoing) MSC – Science Education (MMUST)**

**B.Ed. (Arts) – University of Nairobi HND – Human Resources Management (KNEC)**

**Dip. Education (KTTC), CPA PART I (KASNEB)**

### **DETAILED CURRICULUM VITAE**

#### **A. PERSONAL DETAILS**

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Name : Wati Henry Nathan  
Date of birth : 22nd August 1958  
Languages : English, Kiswahili, Luhya  
Address : C/o Science and Mathematics Education Department Masinde Muliro University of  
Science and Technology P.O BOX 190- 50100 KAKAMEGA.  
Mobile No. :  
Email : [hwati@mmust.ac.ke](mailto:hwati@mmust.ac.ke) or watihenry@gmail.com  
Home County : Kakamega  
Marital status : Married  
Religion : Christian

#### **B. UNIVERSITIES AND COLLEGES ATTENDED**

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**2011-TO DATE:** *Masinde Muliro University of Science and Technology*

**PhD - Mathematics Education**

Completed Coursework and Examination requirements. Working on thesis “Effect of Computer Algebra System on Mathematics Achievement. A Case of TVET Institutions in Western Kenya.

**Units:** Advanced Research Methods I & II Seminar in Mathematics Education, Research Proposal in Mathematics Education, Curriculum Development in Mathematics Education, Philosophy in Mathematics Education and Numerical Analysis III.

**2011**

*Sigalagala Polytechnic*

**CERTIFICATE IN COMPUTER SYSTEMS AND APPLICATION (Distinction)**

Introduction to Computer and Operating Systems

Word Processing – (Ms Word)

Spreadsheets, Desktop Publishing – (Ms Publisher)

Data Base Management Systems – (Ms Access)

Internet and E-mail

Presentation Packages – (Ms PowerPoint)

**2009 – 2011**

*Sigalagala Polytechnic*

**Higher National Diploma (HND) in Human Resource Management**

Fundamentals of Human Resource Management Employee Resourcing, Reward Management, Personnel Management, Employee Relations, Personnel Administration and Project in HRM.

**2006 – 2010:** *Masinde Muliro University of Science and Technology*

**MSC. Science Education (Maths option)**

**Thesis:** Effects of computer based instruction on student's mathematics achievement: A case of secondary school students in Kakamega south District.

**Units:** Education Research Method I & II Research Proposal in Mathematics, Methods and Practice of Teaching Mathematics, Mathematics. Education Workshop, Learning in Mathematics, Curriculum Development, Assessment of Mathematics Achievement, Quality Assurance in Mathematics Education. Numerical Analysis I, Numerical Analysis II, Complex Analysis I, Functional Analysis I, Ordinary Differential Equations.

**1987 – 2003:** *University of Nairobi*

**Bachelor of Education (Arts) Hons (Economic and Mathematics)**

**Units:** **Education Units:** History of Education, Philosophy of Education, General Methods, General Psychology, Child Development, Environmental Education, Education Statistics, Tests and Measurement, Methods of Teaching Maths, Education Media, Methods of Teaching Economics, Curriculum Development, Sociology of Education, contemporary Issues of Education in East Africa, Teaching Practice I & II, Personality Dynamics, Principles of Guidance and Counselling. Psychology of Learning Attitudes and Motivation Special Education, Educational Administration, Educational Planning Comparative Education, Philosophy of Teaching.

**Mathematics Units:** Calculus I, Calculus II, Linear Algebra I, Probability and Statistics I, Vector Analysis, Classical Mechanics, Ordinary Differential Equation, Probability and Statistics II Real Analysis I, Complex Analysis II, Numerical Analysis I, Computer Science 1.

**Economics Units:** Elements of Economics Introduction to Economic Statistics, African Economic Problems, Elements of Economics, Macro-Economics, Mathematics of Economics, Microeconomics, Labour Economics, International Trade, Comparative Economics Systems, Urban Economics, Development Planning, Labour Relation

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**1980 – 1983:** *Kenya Technical Teachers College (KTTC-Nairobi)*

- Diplom in Technical Education
- Certified Public Accountants Part I Certificate (CPA Part II)
- 23 Business Single and Group Certificates

## **C. SCHOOLS ATTENDED**

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**1977 – 1978:** *Friends School, Kamusinga (Bungoma District)*

E.A.A.C.E – 2 Principles, 1 Subsidiary in Mathematics, Chemistry and Biology.

**1973 – 1976:** *Kivaywa Boys High School (Kakamega North District).*

E.A.C.E – Division One

1966 – 1972: Mahanga Primary School (Kakamega)  
 Passed C.P.E

**D. WORK EXPERIENCE**

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<b>Dates</b>	<b>Employer</b>	<b>Responsibilities</b>
1.) 2016 To Date	Masinde Muliro University of Science and Technology	Director ,Performance Monitoring and Evaluation Directorate
2.) 2015 – 2017	Masinde Muliro University of Science and Technology	Director, Technical vocational Education and training TVET
3.) 2015 July - 2016	United Nations Development Programme (UNDP)	Expert Technical support services To County Governments in Kenya (Performance contract)
4.) 2015 June- To Date	Kakamega County Government	Consultancy services on Performance Management /Performance Contracts/Training
	County Government of Homabay	„
	County Government of Migori	„
	County Government of Uasin Gishu	„
	County Govrnment of Kilifi	„
	County Government of Busia	„
	County Government of Nyandarua	„
	County Government of Bungoma.	Training of monitoring and evaluation officers
5.) October 2014 - To date	Masinde Muliro University	Lecturer ,Mathematics Education Department of Science and Mathematics Education
6.) 2013 - 2017	The Presidency	Independent External Expert (IEE)  Performance Contract Negotiations, Vetting, Monitoring and Evaluation for Government of Kenya Ministries, State Agencies and Tertiary Institutions
7.) 2012 – May 2014	Masinde Muliro University	Part time Lecturer in Quantitative Skills I (ESM 101) and Quantitative Skills II (ESM 104)
8.) 2012 – 2013	Kibabi University	Part time Lecturer in Quantitative Skills I (ESM 101) and Quantitative Skills II ( ESM 104).

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9.) 2012 – to 2014: Mount Kenya University

Associate Lecturer in

- Quantitative Techniques
- Business Mathematics
- Calculus II
- Probability and Statistics I & II

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5.) 2002 – to 2014: Sigalagala Polytechnic:

Head Research and Performance Contracting

Senior Lecturer (TSC) in Mathematics, Quantitative Techniques, Research methods.

Coordinator, Sigalagala Polytechnic Campus – Yala

6.) 2008 – 2012 Kenya Institute of Special Education (KISE)

Resident Tutor – Diploma in Special Needs – Western Region – Sigalagala Centre.

7.) 1999 – 2002 – Teremi High School  
Bungoma County

Principal

8.) 1997 – 1998 – Mahanga Secondary School  
Bungoma County

Principal

9.) 1986 – 1996 – Bokoli High School  
Bungoma County

Deputy Principal

10.) 1983 – 1995 – Bokoli High School

Teacher  
Mathematics / Business studies

## **E. PUBLICATIONS**

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- 1.) Effect of tutorial software on students' achievement in probability concepts in secondary schools in Bungoma County. ISSN No. 2074-5400: Kenya Journal of Educational Planning and Management (2013) Volume 6, Issue 1.
- 2.) 2011 – Developed the Strategic plan for Sigalagala Polytechnic.
- 3.) The effect of computer based instruction in student's achievement in Mathematics. A case of Secondary School students of Kakamega South District. (Unpublished Thesis).
- 4.) Accounting: Pupils Book for Form Three K.I.E- Publisher: Jomo Kenyatta Foundation.
- 5.) Accounting: Pupils Book For Form Four K.I.E- Publisher: Jomo Kenyatta Foundation.

## **F. TRAINGS/SEMINARS/WORKSHOPS**

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<b>Dates</b>	<b>Activities</b>	<b>Place</b>
<b>2019 June</b>	EACC training as an Integrity Assurance Officer	JARAMOGI OGINGA ODINGA UNIVERSITY
<b>2019 May</b>	KIPPRA Workshop training on research	MASINDE MULIRO UNIVERSITY
2018 June	International Conference on Transformative Education	KISUMU

2017 July	International Conference on Innovation (Association of commonwealth polytechnics And Technical Universities)	MOMBASA
<b>25-30<sup>TH</sup> August 2013</b>	Kenya Association of Technical Training Institute (KATTI) Regional Conference East Africa	MOMBASA SAI-ROCK RESORT
<b>17-18<sup>TH</sup> April 2013</b>	Competence Based Curriculum Development Training. Ministry of Education, Science and Technology	MOMBASA BEACH HOTEL
<b>26<sup>TH</sup> April-3<sup>RD</sup> May 2013</b>	Electronic Project monitoring and Information system Training (E-PROMIS) Ministry of Education, Science And Technology	KISUMU POLYTECHNIC
<b>26<sup>TH</sup>-28<sup>TH</sup> June 2012</b>	Research and Innovation Workshop KATTI/Min. of Education Science and Technology	MOMBASA SAI-ROCK RESORT
<b>20-22<sup>ND</sup> JUNE 2012</b>	Information Security Management System (ISMS) based on ISO 27001.2005 Institute of African Developing Economies	KAKAMEGA BISHOP STAD
<b>28-30<sup>TH</sup> MARCH 2012</b>	Internal Quality Auditing Training Based on ISO 19011:2002 Standard ALPEX Consulting	KAKAMEGA FRIENDS HOTEL
<b>18-20<sup>TH</sup> MAY 2009</b>	Performance Management Training for Public Service. Office of the Prime Minister Public Sector Reforms and Performance Contracting	KENYA SCHOOL MONETARY OF STUDIES NAIROBI
<b>24-28<sup>TH</sup> MAY 2010</b>	Electronic Project Monitoring System (E-PROMIS) Training. Ministry of Education Science and Technology	KENYA SCHOOL MONETARY STUDIES

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<b>7-13<sup>th</sup> APRIL 2005</b>	Competence Based Training for Programme Leaders	KAKAMEGA JAMANDES
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<b>1986 – 1995</b>	Medical Assistance Programme (MAP) International (UK) Member of National Panel Accounting/Commerce at the Kenya Institute of Education K.I.E Curriculum Development, Teaching, Material Development in the Subject are	
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## **G. OTHER CIVIC RESPONSIBILITIES**

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- **2007, 2002, 1997:** Working as Presiding Officer (P.O) for the Electoral Commission of Kenya. General Elections
- **2008 – To Date:** National Treasurer – Friends Church in Kenya Quaker-men.
- **2008 – To Date:** Secretary- Elgon Religious Society of Friends Quaker-men.
- **2008 – 2010:** Trainer of Trainers: - HIV/AIDS Awareness Programme by Medical Assistance Programme (MAP of UK)

**H. SKILLS**

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- Performance, Evaluation and Monitoring.
- Good Communication skills with KNEC Certification of Business English Stage I, Stage II and Stage HI.
- Excellent Computer proficiency skills, Passed computer Science I University of Nairobi, Data Analysis using SPSS for Windows.
- Excellent Computer skills.
- Excellent Administrative skills.
- Good Data analytical skills for diagnosing, describing and analysis Educational problems and policy issues.
- Good team player.

**I. INTERESTS AND INNOVATION**

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- Research and innovation in Education; Project Proposal Writing, Monitoring Education, Guidance and Counselling; Strategic Planning and Management.
- Volleyball coaching. Golf playing.

**Dated .....**

**Sign.....**

**REFEREES:**

- 1.) Prof. Joseph Bosire  
Vice Chancellor  
Masinde Muliro University of Science and  
Technology  
P.o Box 190– 50100  
Kakamega.  
Mobile:
- 2.) Dr Raphael Ongunya  
Chairman of Department  
Science and Mathematics Education  
Department  
Masinde Muliro University of Science and  
Technology  
P.O Box 190 – 50100  
Kakamega.  
Mobile:
- 3.) Mrs. Florence Wahome  
Deputy Director  
State Corporations Advisory Committee  
Office of the Deputy President  
Nairobi  
Mobile:

