



Personal information

First name(s) / Surname(s) **Stephen Kibe Rwigi**
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 Nationality Kenyan
 Date of birth 16th May 1961
 Gender Male

Career Objective

To be a leading researcher in Meteorology and to contribute towards a secure future environment, Social and Economic Development of our society through research in the field of Water Resources and Climate Change

Research Interest

Hydrometeorology and Surface Water Resources with special interest in Climate Change Modelling Application to Hydrology.
 Current research work is on **“Assessing the Potential Impacts of Climate Change and Deforestation on Surface Water Yields in the Mau Forests Complex Catchments in Kenya”**

Academic Background

Dates	December 2009 to Present
Title of qualification awarded	Doctor of Philosophy (PhD) in Meteorology (Continuing: done over 90% and expect to submit in the next two months)
Thesis Title	<i>Assessing the Potential Impacts of Climate Change and Deforestation on Surface Water Yields from the Mau Forests Complex Catchments in Kenya</i>
Name of Institution	University of Nairobi
Dates	October 2002 – October 2005
Title of qualification awarded	Master of Science (M.Sc) in Meteorology.
Name of Institution	University of Nairobi
Dates	October 1994 – November 1998
Title of qualification awarded	Bachelor of Science (B.Sc) in Meteorology
Name of Institution	University of Nairobi
Dates	May 1987 – April 1989
Title of qualification awarded	Diploma in Science Education
Name of Institution	Kenya Science Teachers College

Dates	March 1983- December 1984
Title of qualification awarded	Kenya Advanced Certificate of Education (KACE)
Name of Institution	Mang'u High School
Dates	January 1979 - December 1982
Title of qualification awarded	Kenya Certificate of Education (KCE)
Name of Institution	Mang'u High School
Dates	January 1969 – December 1979** (<i>on and off</i>)
Title of qualification awarded	Certificate of Primary Education (CPE)
Name of Institution	Kiambuthia Primary School
Work Experience	
Dates	November 2012 to Present
Position held	Lecturer , Department of Meteorology, University of Nairobi
Main activities and responsibilities	Teaching, Research and Supervising Undergraduate Students Units taught: SMR 104 : Introduction to Atmospheric Science, SMR 201 : Meteorological Instruments and Methods of Observations, SMR 202 : Atmospheric Radiation and Optics, SMR 301 : Dynamic Meteorology I, SMR 309 : Hydrometeorology I, SMR 409 : Hydrometeorology I Setting and Marking of examinations PhD Research Assistant Departmental Examinations Coordinator Representing the Department in: <ul style="list-style-type: none"> ✓ College Show Committee ✓ Library matters Any other duties assigned by the Chairman
Name and address of employer	University of Nairobi, P. O. Box 30197-00100, Nairobi, Kenya
Dates	April 2006 to present
Position held	Part Time Lecturer , School of Continuing and Distance Education (SCDE) and the School of Education, University of Nairobi
Main activities and responsibilities	Teaching and Supervising undergraduate students Units taught: TCT 330 : Teaching Methods in Mathematics, TFD 524 : Teaching Methods in Mathematics Setting and Marking of examinations
Name and address of employer	University of Nairobi, P. O. Box 30197-00100, Nairobi, Kenya
Dates	March 2010 to November 2012
Position held	Tutorial Fellow , Department of Meteorology, University of Nairobi
Main activities and responsibilities	Teaching, Research and Supervising undergraduate students Units taught: (SMR 103 : Quantitative Methods and Computer Applications in Meteorology I, SMR 104 : Introduction to Atmospheric Science, SMR 201 : Meteorological Instruments and Methods of Observations, SMR 202 : Atmospheric Radiation and Optics, SMR 204 : Weather Analysis I, SMR 301 : Dynamic Meteorology I, SMR 305 : Statistical Methods and Computer Applications I, SMR 309 : Hydrometeorology I, SMR 409 : Hydrometeorology II Setting and Marking of examinations PhD Research Assistant Departmental Examinations Coordinator

Name and address of employer	Participation in: <ul style="list-style-type: none"> ✓ Review of short course on Climate Change programme in the Department ✓ Development of Multi-disciplinary Research and Consultancy proposal in the Department (Rwanda) Representing the Department in: <ul style="list-style-type: none"> ✓ College Show Committee ✓ College Committee on Disabilities ✓ Library matters Any other duties assigned by the Chairman University of Nairobi, P. O. Box 30197-00100, Nairobi, Kenya
Dates	July 2007 to March 2010
Position held	Senior Lecturer (M) -TSC; Mathematics, Kenya Science Campus, University of Nairobi
Main activities and responsibilities	Teaching, setting and marking of examinations, supervising students' projects, preparing departmental schemes of work, supervising teaching practice
Name and address of employer	Teachers Service Commission (TSC) Private Bag, 00100, Nairobi, Kenya
Dates	August 2001 to June 2007
Position held	Lecturer (L) -TSC ;Mathematics, Kenya Science Teachers College
Main activities and responsibilities	Teaching, setting and marking of examinations, supervising students' projects, supervising teaching practice
Name and address of employer	Teachers Service Commission (TSC) Private Bag, 00100, Nairobi, Kenya
Dates	October 1998 to July 2001
Position held	Assistant Lecturer (K) -TSC Mathematics, Kenya Science Teachers College
Main activities and responsibilities	Teaching, setting and marking of examinations, supervising students' projects, supervising teaching practice
Name and address of employer	Teachers Service Commission (TSC) Private Bag, 00100, Nairobi, Kenya
Dates	September 1989 to September 1998
Position held	High school teacher (G) -TSC Mathematics/Physics, St George's Secondary School
Main activities and responsibilities	Teaching mathematics and physics, coordinating mathematics department, Preparing schemes of work, Setting and marking of internal examinations
Name and address of employer	Teachers Service Commission (TSC) Private Bag, 00100, Nairobi, Kenya
Community Service	Member, The Project on the Development of the National Water Master Plan 2030; Technical Working Group on Climate Change
	Chairman, Board of Governors, Kiambuthia Secondary School 2009 to the present
Professional Body Membership	Kenya Meteorological Society (KMS)
Additional Information	
	Publications
	(i) Influence of Climatic Parameters on Tea Yields in Central Kenya Region; <i>Journal of Meteorology and Related Sciences</i> , October 2009 – Volume 3; pp 3-12, Kenya Meteorological Society (ii) Comparative Case Study of Rainfall-Runoff models Over the Nyando River Basin in Kenya; <i>Journal of Meteorology and Related Sciences</i> , Volume 6, No. 1; pp 34-49, Kenya Meteorological Society

Writing Principles of Atmospheric Radiation, Second year ODL book for the unit SMR 205 (on-going)

Training Workshop

- (i) Six-day Writing Review and Revision of BSc Instructional materials Workshop for Levels II, III, and IV from November 27 to December 3 2012 at KWST Naivasha
- (ii) Five-day “ International Workshop on Regional Climate Change and Impacts Modelling for Critical Assessment and Adaptation Strategies in Agriculture and Water Sectors over the Horn Of Africa” from June 20 to June 24 2011, Nairobi, Kenya
- (iii) Five-day training on “Integrated Waste Management: Design and Monitoring of Containment Systems Course: from May 23 to May 27 2011, University of Nairobi, Kenya
- (iv) Five-day training workshop “ICPAC/WMO/WCRP/GCOS/WORLD BANK WORKSHOP ON CLIMATE CHANGE MODELLING” from 21st February to 25th February 2011, Nairobi Kenya
- (v) Six-day Writing Review and Revision of BSc Instructional materials Workshop for Levels II, III, and IV from December 13 to December 18 2010 at Multimedia University
- (vi) Three-day Training Workshop on “GIS Flood Tool for Mapping Extent of Inundation” from 30th August to 1st September 2010 organised by RCMRD and USGS in Nairobi Kenya
- (vii) Ten-day training workshop on Water Resource Capacity Building, Groundwater Modelling Organised by the U.S Combined Joint Task Force Horn of Africa Water Resources Program from 24th August to 4th September 2009, University of Nairobi
- (viii) Five-day Training Course on Proposal, Thesis and Paper Writing organised by the Institute of Nuclear science and technology, from 19th – 23rd November 2007

Referees

Prof. John N. Muthama, Professor of Meteorology and Chairman, Department of Meteorology, University of Nairobi.

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Prof. John K. Ng'ang'a, Professor of Meteorology, Department of Meteorology, University of Nairobi

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Dr. Alfred O. Opere, Senior Lecturer, Department of Meteorology, University of Nairobi

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