

Curriculum vitae

Jacinta Muthini Kavuluko

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Personal Details	Marital Status: Married Religion: Christian Nationality: Kenyan Languages : English (written and spoken) Kiswahili (written and spoken)
Objective	To put my knowledge, experience, talents and skills into beneficial and productive use especially in the areas of education, research and leadership.
Education	2014- Registered for PhD (Biotechnology) at Kenyatta University 2007 – 2012 Masters of Science (Biotechnology) Kenyatta University- Kenya 2002-2006 Bachelor of Education Science (Botany , Zoology & Chemistry) Second Class Honours Upper Division Kenyatta University- Kenya 1996-1998 Diploma of Education Science (Biology & Chemistry) Kagumo Teachers College- Nyeri, Kenya 1991-1994 KCSE, Mean Grade B- (Minus) Kisau Girls Secondary School 1983-1990 KCPE, Mean Grade B- (Minus) Mbembani Primary School

Working Experience	<p>Currently :Part time lecturer , Kenyatta University, Department of Biochemistry and Biotechnology where I have taught and examined the following units: Plant biochemistry, Cell and Molecular biology, The cell & its external environment, Introduction to Genetics, Nutritional biochemistry, Attachment in Biotechnology, Attachment in Biochemistry and Attachment in Molecular cell Biology.</p> <p>2012-2014 Part time lecturer, Karatina University, School of Education (School based programme).</p> <p>2009-2014 Biology and Chemistry teacher at A.B.C Kathithyamaa Secondary School up to end of Jan. 2014;granted 3 years study leave by the T.S.C</p> <p>2009-2011 Scientific Research- DNA extraction, Polymerase Chain Reaction (PCR) using Molecular markers, Protein extraction And use of PAGE (Polyacryamide gel electrophoresis), Done at Kenyatta University Molecular Laboratory and at KARI-NARL.</p> <p>2002-2007 Biology & Chemistry Teacher at Riakanau Secondary School- Embu county.</p>
Research experience	<p>In my master's research I engaged in aggressive research work which entailed collecting infected cowpea and pigeon peas infected with root-knot nematodes from Embu County- Kenya, isolating the nematodes from the infected roots and culturing them in tomato seedlings in the Kenyatta University green house. Isolated females were used for biochemical & molecular characterisation then sequencing to determine the species identity of the root-knot nematodes affecting the different legumes, Proper identification of root-knot nematodes is important for making crop management decisions geared at increasing crop productivity.</p>
Proceedings of Conferences	<p>Kavuluko J.M., Gichuki C., Waceke J.W. and Runo S.M. (2010). Characterisation of Root- Knot Nematodes (<i>Meloidogyne spp.</i>) from selected legumes in Mbeere district using isoenzyme phenotypes. <i>12th KARI Biennial Scientific Conference Proceedings.</i> Nairobi, Kenya.</p>
Workshops	<p>Sept., 2001 Attended a school management seminar organised by Starehe boys centre and school.</p> <p>April., 2004, 2005& 2006 Attended a SMASSE project in-service training for secondary mathematics and science teachers in Mbeere district.</p> <p>Jan., 2005 Participated in the Role of Higher Education in Democratic Change Workshop held at the AVU Boardroom Kenyatta University. Organised by Kenyatta University Student Association in collaboration with the Dean of Student Kenyatta University.</p>
Publications	<p>Kavuluko J.M., (2012).Molecular characterisation and genetic variation of root-knot nematode (<i>Meloidogyne spp.</i>) in selected legume production areas of Eastern Kenya. <i>M.Sc Thesis.</i></p>
Research work	<p>2009-2011 M.Sc. Scholar grant by Gatsby charitable foundation, UK to do M.Sc.</p>

	laboratory work at the Kenyatta University molecular lab.
Other areas of training	<p>March 2010 Training course on Nematode Diagnostics held in the Department of Plant and Microbial Science, Kenyatta University in collaboration with Kenya Agricultural Research Institute (KARI).</p> <p>Aug., 2005 Trained as a Kenya National Examination Council Examiner in Chemistry paper one</p>
Volunteer/Community service	June, 2007: Organised a Christian union weekend challenge in Riakanau secondary school in collaboration with Kenyatta University postgraduate Christian fellowship.
Leadership experience	<p>2010- Jan. 2014 HOD Sciences A.B.C Kathithyamaa Secondary and patron science congress.</p> <p>2008-2009 Secretary Kenyatta University Christian Postgraduate Fellowship.</p> <p>Dec. 2007 Deputy Presiding Office Yatta Constituency during the Kenya 2007 general election.</p> <p>2004-2007 HOD Sciences Riakanau Secondary and Christian union patron.</p>
Personal attributes	<ul style="list-style-type: none"> ☒ Strong communication and interpersonal skills ☒ Self motivated and works with minimum supervision ☒ Result oriented ☒ Flexible and adaptable
Interests and Activities	<ul style="list-style-type: none"> ☒ Active member of Nairobi Pentecostal Church- Valley road. ☒ Play table tennis. ☒ A fun of Christian motivational literature. ☒ Have great interest in education and research
References	<ol style="list-style-type: none"> 1. Prof. Waceke Wanjohi. Ph.D, FSB Dean, School of Agriculture and Enterprise development, Kenyatta University, PO Box 43844-00100, NAIROBI- KENYA +254-20-8710901-12 ext 3634 2. Dr. Allan Jalemba Mgtu Lecturer and Examination coordinator, Department of Biochemistry and Biotechnology-Kenyatta University. P.O. Box 43844-00100, Nairobi. Cell: 0789 387 942 E-mail: allanjalemba@gmail.com

3. Dr. Steven Runo

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