

## PROFILE FOR DR. JANE AMUNGA



**NAME:** JANE AMUNGA

**2. POSITION:** Ag. Senior Assistant Registrar- Academic and Student Affairs

### **3. BIOGRAPHY**

Jane Amunga has carried out research on cross cutting issues in education and her articles published in peer reviewed journals are receiving wide readership. She is equally keen on gender issues in education, a factor that has seen her research on the real disparities that exist between boys and girls in enrolment and academic achievement which may be masked by general trends. Of special interest is also the pronounced disparities in science-based subjects which essentially has excluded most girls from science-based career fields. Her argument is that, the country needs to harness the ability of both boys and girls, men and women in order to realize her Vision 2030, attain Sustainable Development Goals and actualize the Big Four Agenda.

With the introduction of Competency Based Curriculum, Jane hopes that, the interesting scientific activities introduced early in the curriculum will draw more girls into science. However, she may

only effectively gauge this when the current CBC pioneer learners complete junior secondary and choose their pathways.

Jane holds a Doctor of Philosophy in Educational Planning and Management from Masinde Muliro University of Science and Technology and a Master of education degree in the same discipline from the same University. Currently, she is the Acting Senior Assistant Registrar at Kaimosi Friends University College but due to per passion for teaching, she is still actively involved in the teaching of post graduate students as well as supervision.

## **5. RESEARCH SUMMARY**

### **a) Area of research interest**

- Education from a gendered perspective
- STEM Education
- Academic performance

### **b) Completed Projects**

- Exploratory study on CBC
- Gender mainstreaming in the domestic energy equation: A case of Kakamega County Kenya
- Disparities in performance in Science subjects

### **c) Up-coming projects**

- Competency Based Education: Voices of the pioneers

## **6. PUBLICATIONS**

### **a) Peer reviewed journal papers**

Maiyo, J., Amunga, J., Ashioya, I. & Boit, J. M. (2008). The effects of education costs on investment in education: A case of Kakamega District. *Kenya Journal of Science, Technology Education and Management, Vol 2 (1&2)*, 101-112.

- Amunga, J., Amadalo, M. M., & Maiyo, J. (2010). The influence of schools' performance Index on enrolment in Kakamega South District secondary schools. *Kenya Journal of Educational Planning, Management & Economics, Vol 2*, 76-84.
- Maiyo, J., Amunga, J., & Ashioya, I. (2008). Income inequality controversies on the development of education in Kenya. *Problems of Education in the 21<sup>st</sup> Century, Vol 7*, 81-88.
- Maiyo, J., Amunga, J. & Ashioya, I. (2009) Poverty alleviation: The educational planning perspective. *Journal of Education Administration and Policy Studies, Vol 1(2)*, 15-22.
- Amunga, J., Maiyo, J. M., Achoka, J. & Ashioya, I. (2009). Violence against children and the effect on education. *Journal of Psychology in Africa, Vol 19(1)*, 119-122.
- Amadalo, M. M., Maiyo, J., & Amunga, J. (2009). Ranking secondary schools in national examinations: The effect on promotion rates and performance trends in Kenya. *Problems of Education in the 21<sup>st</sup> Century*, 15, 9-19.
- Amunga, J., Amadalo, M. M., & Maiyo, J. (2010). Gender and regional disparities in enrolment and achievement in Kenya: Implications for educational Planning. *Problems of Education in the 21<sup>st</sup> Century, Vol 23*, 9-19.
- Amunga, J., Amadalo, M. M., & Maiyo, J. (2010). Ranking of secondary schools and students in national examinations: The perception of teachers and students. *Problems of Education in the 21<sup>st</sup> Century, Vol 20*, 10-24.
- Amunga, J., & Amadalo, M. M. (2011). Disparities in Mathematics achievement among secondary schools: The case of Kenya. *Problems of Education in the 21<sup>st</sup> Century, Vol 28*, 8-18.
- Amunga, J., Amadalo, M. M., & Musera, G. (2011). Disparities in Physics academic achievement and enrolment in Western Province: Implications for strategy renewal. *Problems of Education in the 21<sup>st</sup> Century, Vol 31*, 18-32.
- Amunga, J., Amadalo, M. M. & Musera, G. (2011). Disparities in Chemistry and Biology achievement in secondary schools: Implications for Vision 2030. *International Journal of Humanities and Social Sciences, Vol 1 (18)*, 226-236.
- Otuya, I. W., Achoka, S.J., Ashioya, A., & Amunga, J. (2011). Factors underpinning Headteachers' gender mainstreaming in Mt. Elgon, District, Kenya. *International Journal of Current Research, 3 (11)*, 137-142.
- Amadalo, M. M., & Amunga, J. (2012). Secondary school pupils conceptions about the behaviour of air in an inflatable container under two temperature conditions. *International Journal of Humanities and Social Sciences, Vol 2 (2)*, 133-140.
- Amunga, J. Ondigi, B. & Ndiku, J. (2013). *Collaboration, benchmarking, and secondary schools' mean scores in the Western Region, Kenya: An analytical investigation.* International Journal of Education and Research Vol 1 (9), 133-140

- Amunga, J., & Ondigi, B. (2016). The effect of user charges on access to basic education in Kenya. *International Journal of Advanced Engineering Research and Science (IJAERS)* Vol-3, (3), 73-78.
- Amunga, J., Musera, G., & Achoka, J. (2016). The missing link in Kenya's security strategy: Education. *International Journal of Contemporary Applied Sciences* Vol. 3, ( 3), 79-93.
- Amunga, J. & Ndiku, J. (2016). An investigation of the Collaboration activities practiced by secondary schools: A case of the Western Region of Kenya. *International Journal of Contemporary Applied Sciences* Vol 3 (10), 93-102
- Ashioya, I. & Amunga, J. (2016). Africa's wars, woes and the elusive peace: Strategic options to peace building. *International Journal of Scientific Research in Science and Technology*, 323-330.
- Aliva, L. E., & Amunga, J. (2017). Revisiting Bursary Awards, HELB and National Polytechnics in Kenya: The Place of Recipients' Socio-Economic Status. *Developing Country Studies* Vol.7, (9), 30-36.
- Amunga, J., Were, D., & Ashioya, I. (2020). The teacher-parent nexus in the competency-based curriculum success equation. *International Journal of Educational Administration, and Policy Studies*, Vol 12 (1), 60-76
- Amunga, J. (2016). Collaboration, Benchmarking and secondary schools' university entry grades in the Western Region, Kenya. *International Journal of Education and Social Science Research*, Vol 3 (11), 48-53
- Amunga, J. (2020). Benchmarking practices among single sex boarding secondary schools in Western Kenya, *Technium Social Sciences Journal*, Vol 8, 117-131
- Amunga, J. (2020). Investment in improvement strategies and academic achievement: The case of secondary schools in Kenya, *The European Researcher*, Vol 3 (2), 53-65
- Amunga, J. & Amadalo, M. M (2021). The Gender STEM gap and its impact on Sustainable Development Goals and the Big Four Agenda in Kenya: A synthesis of literature. *International Journal of Contemporary Education*, Vol 4 (1), 1-12.
- Amunga, J. (2021). Leveraging Technology to enhance STEM education amidst the Covid-19 pandemic: An overview of pertinent concerns. *Technium Social Sciences Journal*, Vol 18, 40-55.

### **Theses (Book) Publications**

Amunga, J. (2013). *The Effect of Ranking on Secondary Schools in Kakamega, Kenya*. Saarbrücken: Lambert Academic Publishing. ISBN: 978-3-659-38621-3

Amunga, J. Ondigi, B. & Ndiku, J. (2013). *Collaboration, Benchmarking, and Secondary Schools' Academic Performance in the Western Region of Kenya*. Saarbrücken: Lambert Academic Publishing. ISBN: 978-3-659-49590-8

#### b) Conferences/Workshops/Seminars

<b>Date</b>	<b>Theme</b>	<b>Title of paper presented</b>	<b>Venue</b>
9/4/2007- 11/4/2007	Educational Management and Leadership	The Role of Sexuality Education in Combating HIV/AIDS.	Moi University
16/7/2007- 20/7/2007	Research for national development	Income Inequality Controversies and the Development of Education in Kenya.	Egerton University
4/8/2009- 8/8/2009	Research and knowledge dissemination towards the building of healthy and socio-economically stable nations	Ranking of Schools and Students in National Examinations in Kenya: The Perception of Teachers and Students in Kakamega South District.	Moi University
5/5/2009- 6/5/2009	Science and Technology for development	Ranking Secondary Schools and Students in National Examinations: The Effect on Promotion Rates and Performance Trends in Schools in Kakamega South District Kenya.	MMUST
26/4/2011- 28/4/2011	Managing Kenyan education system in the new constitution for vision 2030	Disparities in Physics Academic Achievement and Enrolment in Western Province: Implications for Strategy Renewal	UON
11/10/2013- 12/10/2013	The practice of peace building, international relations and transitional justice	Africa's wars, woes and the elusive peace: Strategic options to peace building	Hekima College
30/7/2014- 2/8/2014	Africa and the new world order	The effect of user charges on access to basic education in Kenya.	Kisii University

9/6/2016-12/6/2016	New paradigms in national and international security	The Missing Link in Kenya's Security Strategy: Education.	MMUST
5/5/2014-6/5/2014	Research and knowledge for policy formulation and socio-economically stable Kenya	Gender mainstreaming in the domestic energy equation: A case study of Kakamega County, Kenya	University of Eldoret
3/10/2018-5/10/2018	Enhancing research, innovation and Entrepreneurial skills for attainment of sustainable Development Goals.	Technical and Vocational Education as a strategy for vision 2030 and Sustainable Development: Perils and prospects.	SNP
25/11/2020-27/11/2020	Integrating Pedagogy and Technology to Ensure Resilience, Quality, Equity and Sustainability	Leveraging technology to enhance stem education amidst the covid-19 pandemic: An overview of pertinent concerns.	MMUST

## 7. OTHER INFORMATION

### a) Honours and Awards

#### Grants

Grant Purpose	Awarding Organization	Duration	Amount
Contract for the small Grants Programme for Thesis writing	Council for the Development of Social Science Research in Africa (CODESRIA)	one year	US\$ 2000
Gender mainstreaming in the domestic energy equation: A case study of Kakamega County, Kenya	Organization for Social Science Research in Eastern and Southern Africa (OSSREA)	Two years	US\$ 5000

### b) ORCHID Number

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