

# MILDRED ATIENO AYERE

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## EDUCATION

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2005-2009	PhD in Educational Technology, Maseno University, Kenya
1998 - 2000	Master of Education in Teacher Education, <i>Kenyatta University, Kenya</i>
1986 - 1989	Bachelor of Education in Mathematics and Business Studies, <i>Kenyatta University</i>
1983 - 1984	Kenya Advanced Certificate of Education, <i>Kenya High School, Nairobi</i>
1979 - 1982	Kenya Certificate of Secondary Education, <i>Kenya High School, Nairobi</i>
1972 - 1978	Kenya Primary Education, <i>Migosi Primary School, Kisumu</i>

## RESEARCH EXPERIENCE

- Co-Investigator in a National Research Fund Kenya Grant on “Developing Agricultural Hubs in Secondary Schools for Learning and Knowledge Transfer for Food Security” 2020 -2023
- PI in Consultancy to Kenya School of Revenue and Administration on establishment of an eCampus 2018-2019
- Co-Investigator in European union grant (EPICA Project) on Strategic partnership for the co-design of an innovative and scalable eportfolio ecosystem to improve the quality and visibility of skills 2017 – 2020
- PI in National Research Grant, Kenya on Integrating Research Competency in Undergraduate Teacher Education Programme at Maseno University 2016 - 2020

## TEACHING EXPERIENCE

2010 - 2020 Lecturer in Educational Technology Maseno University, Kenya  
2008 – 2009 Chief Staffing Officer, Teachers Service Commission, Bungoma, Kenya  
1994 – 2008 Lecturer & Head of Department, Mathematics, Bondo Teachers College, Kenya  
1989 – 1994 High School Teacher & Head of Mathematics, Math/Business Studies, Nyakach Girls, Sondu, Kenya

## HONORS AND AWARDS

### Scholarship at the Nobel Center, Stockholm, Sweden

In 2018, I was awarded a short visit scholarship by the Nobel Center to attend the Nobel Prize teachers’ summit 2018, a conference for international teachers.

### Partnership with Linnaeus University in a Linnaeus Palme Project

In 2013 – 2016 Awarded a collaborative activity with lecturers from Linnaeus University on Mathematics in the historic environment using the Time Travel methodology.

### JICA Scholarship

In 2006, Awarded Short term Competitive Scholarship from Japan International Cooperation Agency (JICA) through the Ministry of Education (Kenya) to attend a customized course on integration of ICTs in teaching mathematics at Southeast Asian Ministers of Education (SEAMEO) Regional Centre for Education in Science and Mathematics (RECSAM) in Penang, Malaysia.

### **Maseno University Research Grant for PhD Research**

In 2006 I won a Maseno University Research grant for PhD students and used the money in the research phase of the PhD thesis.

## **PROFESSIONAL MEMBERSHIP**

- Member of International Council for Open and Distance Education (ICDE)
- Member of African Council for Distance Education
- Member of The American Association of Christian Therapists
- Reviewer for Science Domain International
- Reviewer for Journal of Global Research in Education and Social Science
- Reviewer with Journal of Technology Education
- Member of Board Reviewers for Journal for Mathematics, Science and Technology Education

## **SKILLS AND TRAINING**

- Quality Assurance in Higher Education. A Two Months online Training by Commonwealth of Learning on QA for Online and Blended Learning from 1<sup>st</sup> October – 28<sup>th</sup> November 2019
- Integrating Digital Tools and Technologies for Teaching and Assessment in Large Mathematics Classes. A one week workshop by African Math Initiative, 5<sup>th</sup> – 9<sup>th</sup> August 2019, Maseno, Kenya
- Introduction to Impact Evaluation for Social Sciences research. A Seminar for Lecturers at Open University of Tanzania, 29<sup>th</sup> July – 2<sup>nd</sup> August 2019, Dar Es Salaam, Tanzania
- Quality Assurance for Blended Learning. An Online Course from Commonwealth of Learning for PEBL Participants 4th April 2019 – 26th July 2019
- The Role of Supervisors in Quality Research and Proposal Writing. A DAAD Workshop, 18th – 19th October 2018, Kisumu, Kenya
- Quality Assurance Issues in Virtual Learning. A Workshop Organized by Association of Commonwealth Universities, 16th – 20th April 2018, Nairobi, Kenya
- Expert's Seminar on the Time Travel Methodology from March 28th – 2nd April 2016 in Pretoria, South Africa.
- Impact Evaluation Workshop Organized by the World Bank on Research Methods from 5th – 8th May 2015 in Nairobi, Kenya.
- Seminar for Kenya DAAD Scholars Association, Kisumu, Kenya.
- Training seminar for Growth Oriented Women Enterprise from 29th July – 2nd August 2013 in Kisumu, Kenya.
- DAAD Seminar on Utilizing New Media and Technologies in Research & Teaching, 11th – 12 November 2012, Kisumu, Kenya

## **LEADERSHIP EXPERIENCE**

- 2017- 2020 Acting Director, eCampus, Maseno University
- 2015 – 2017 Associate Director, ECampus, Maseno University
- 2013 – 2015 ECampus Coordinator, EContent Development
- 2011 – 2013 ECampus Coordinator, Research Monitoring and Evaluation

## CONFERENCES AND WORKSHOPS

- Moving Assessment Forward & Managing a Research Office, An Association of Common Universities Webinar Seminars 15<sup>th</sup> – 20<sup>th</sup> May 2020
- Disruption and Innovation: Reshaping Education in Africa Post Covid-19, 21<sup>st</sup> April – 16<sup>th</sup> May 2020. A series of Webinars Organised by Axiom Learning Solutions on Policy; Technology; Teachers; and Community Engagement, Partnership and a Call to Action
- MOOCs in Africa. A presentation at 13th eLearning Africa Conference , 26th – 28th September 2018, Kigali – Rwanda
- The Time Travel and Today's Societal Challenges in Kenya. A Paper Presented in Bridging Ages Conference 11th – 14th September 2018, Pretoria, South Africa
- The Time Travel method, Applied Heritage and Bridging Ages – In the Service of Society and its Development. An International Seminar held from 25th February – 2nd March 2018, Karlmar, Sweden
- Time Travel Methodology in National Dialogue: The Post-Election Violence through the Eyes of University Students in Kenya. 12th – 15th September 2017, Vaasa, Finland
- Unity in Diversity. A paper presented at The Bridging Ages International Conference in September 13th – 16th 2016 at Kalmar, Sweden.
- ELearning for Access, Quality and Equity in Education: Issues and Challenges. A paper Presented at the eLearning Africa in May 25th – 27th 2011 in Dar-es-Salaam, Tanzania

## PUBLICATIONS

- Namuyenga, W. S. A., Ayere, M., Rabari, J. (2019). Extent of Use of ASEI-PDSI Approach in Teaching of Science in Primary Schools in Emuhaya Sub-County, Vihiga County, Kenya. *European Journal of Education Studies*, 6(7), 322-344. Retrieved from <https://oapub.org/edu/index.php/ejes/article/view/2692>
- Ouma, O., Kembo, J., Ayere, M. A., & Ali, A. A. (2019). Teachers' Computer Capacity in Public Primary Schools in Homabay County, Kenya: The Case of the Digital Literacy Programme. *European Scientific Journal*, 15(19), 301 – 325: doi:10.19044/esj.2019.v15n19p301 .
- Otianga, R. A., Ayere, M. A., & Rabari, J. (2019). Influence of Integration of Information Communication Technology on Performance in Chemistry Among Public Secondary Schools in Kisumu County, Kenya. *International Journal of Scientific Research and Innovative Technology*, 6(1), 93 – 110. Retrieved from <https://www.ijrsrit.com/details.php?month=201812>
- Ayere M. A. (2018). Our diversity, our strength education, sports, culture and peace building in kenya (70 – 78). Title of Chapter in Westergren E. (Ed). *In the Service of Society and its Development*. Sweden, Kalmar läns museum
- Otianga, R. A., Ayere, M. A., & Rabari, J. (2018). Teacher Preparedness in The Pedagogical Integration of information Communication Technology (ICT) in Chemistry Among Public Secondary Schools in Kisumu County, Kenya. *International Journal of Scientific Research and Innovative Technology* 5(10), 43 – 58. Retrieved from <https://www.ijrsrit.com/details.php?month=201901>
- Winga, M. A., Agak, J., & Ayere, M. A. (2017). The Relationship Between Coping Style and School Adjustment Amongst Secondary School Students in Kisumu East Subcounty, Kenya. *European Journal of Scientific Research*, 13, 247 – 263: doi: 10.19044/esj.2017.v13n1p247
- Ayere M. A. (2016). Time Travel Events with Focus on Mathematics (35 – 42). Chapter in Johansson (Ed) *Tools in Life: Mathematics in the Historic Environment*. Karlmar, Linnaeus University Press.
- .Winga, M. A., Agak, J., & Ayere, M. A. (2016). The Relationship between School Burnout, Gender and Academic Achievement amongst Secondary School Students in Kisumu East Sub County,

Kenya. *Journal of Emerging Trends in Education and Policy Studies*, 7(5): 326-33. Retrieved from [http://jeteraps.scholarlinkresearch.com/issuesview.php?id=037&issue\\_name=Volume%207%20Number%205](http://jeteraps.scholarlinkresearch.com/issuesview.php?id=037&issue_name=Volume%207%20Number%205)

- Ayere M. A. (2015) Model for Blended Supervision of Post-Graduate Students (379 – 392). Chapter in Gradinarova (Ed) *E-Learning - Instructional Design, Organizational Strategy and Management*, InTech publishers
- Onyango, M. A., Indoshi, F. C., & Ayere, M. A. (2015). Assessment of causes of poor reading culture of secondary school students in Ugunja District, Siaya County, Kenya. *International Journal of Educational Policy Research and Review*, 2(6), 60-68: doi:<http://dx.doi.org/10.15739/IJEPRR.014>
- Fleming, E., Zachariah Mbasu, Z., Stern, D., Parsons, D., Ayere, M., Hoffmann, F., Musyoka, J., Mawora, T., Clarke, C., Borio, S., & Obiero, M. (2015). Exploring the Role of Curricula Maths Camps and Clubs in Kenya and Beyond, EDULEARN, Spain. Retrieved from <https://library.iated.org/view/FLEMING2015EXP>
- Ongow, R. O., Indoshi, F. C., & Ayere, M. A. (2014). Perception of Constructivist Learning Environment: Gender and School Type Differences in Siaya County, Kenya, *Science Domain International*, 4(1): 15-26: doi:10.9734/AIR/2015/13843.
- Ariko, C. O., Simatwa, E. M. W., & Ayere, M. A. (2014). Influence of Organizational Factors on Education Management Information Systems Outcomes in Counties of Nyanza Region, Kenya. *Greener Journal of Educational Research* 4(3) 071-084. Retrieved from <https://gjourneys.org/2019/08/02/ariko-et-al/>
- Omolo D., Indoshi F. & Ayere M. A. (2013). Attitude of Teachers and Students Towards use of Information and Communication Technology in the implementation of Biology Curriculum in Selected Secondary Schools, *Research Journal in Organizational Psychology and Educational Studies*, 2(3) 76-83, 2013
- Stern, D., Ogame, B., Ayere, M., & Kim, R. (2012). Aiming Towards Life Long Learning by Adding an ECampus to a Kenyan University, INTED Conference, Spain. Retrieved from <https://library.iated.org/publications/INTED2012/start/800>
- Ayere, M. A. (2011). ELearning for Access, Quality and Equity in Education: Issues and Challenges. A paper Presented at the Elearn Africa Conference, Dar Es Salaam, May, 2011. Retrieved from the book of Abstracts at <http://www.elearning-africa.com/>
- Winga, M. A., Agak, J., & Ayere, M. A. (2011). The Relationship among School Adjustment, Gender and Academic Achievement among Secondary School Students in Kisumu District, Kenya. *Journal of Emerging Trends in Education and Policy Studies*, 2(6): 493-497. Retrieved from [https://journals.co.za/content/sl\\_jeteraps/2/6/EJC135461](https://journals.co.za/content/sl_jeteraps/2/6/EJC135461)
- Ayere M. (2010). E-Learning in Secondary Schools in Kenya: A Case of NEPAD E-Schools. LAP LAMBERT Academic Publishing (October 29, 2010) ISBN-10: 3843365431 (Available online)
- Ayere, M. A., Odera, F. Y., & Agak, J. O. (2010). A Comparison of Information and Communication Technology Application in NEPAD and Non-NEPAD Schools in Kenya. *Journal of Information Technology Education*, 9 249-267. Retrieved from <https://www.learntechlib.org/p/111367/>
- Ayere, M. A., Odera, F. Y., & Agak, J. O. (2010). E-learning in Secondary Schools in Kenya: A Case of NEPAD E-Schools. *Education Research and Reviews* 5 (5), pp. 218-223. Retrieved from <https://eric.ed.gov/?id=EJ887342>
- Ayere, M. A. & Odera, F. Y. (2010). Evaluation of Extent of Achievement of Objectives of NEPAD Schools' ICT Project in Kenya. *Malaysian Journal of Distance Education* 12(1) 53-75. Retrieved from [http://mjde.usm.my/vol12\\_1\\_2010.html](http://mjde.usm.my/vol12_1_2010.html)

- Ayere, M. A. & Odera, F. Y. (2010). A Comparison of Information and Communication Technology Application in NEPAD and Non-NEPAD Schools in Kenya. *Malaysian Journal of Educational Technology*, 9(1), 17-27. Retrieved from <http://www.mjet-meta.com/past-issues-2009-2010-online-2001-2008-print.php>