



## **CURRICULUM VITAE**

**Richard Owino Ongowo**

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### **BIO-DATA**

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**Date of Birth:** 18<sup>th</sup> March 1972

**Marital Status:** Married

**Nationality:** Kenyan

**Religion:** Christian

### **PERSONAL PROFILE**

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I have 17 years of experience in research in science teaching and 19 years teaching and examining high school students in Biology and Chemistry. I hold a PhD in Pedagogy-Biology of Maseno University, MEd(Science Education) of Egerton University and BEd(Science) of Moi University. My career aspiration is to be a Professor of Pedagogy in Science, committed to science education programs that will enable learners to apply scientific knowledge, to develop scientific skills and education, to acquire positive attitudes towards Science.

### **KEY COMPETENCIES**

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- Research in Science teaching
- Teaching and examining students at university level
- General Methods of Teaching
- Special Methods of Teaching Biology
- Teaching and examining students in Biology and Chemistry at high school level
- Human Resource Management in Science Departments at high school level
- Experience in designing teaching Materials for Biology and Chemistry
- Computer Skills

### **EDUCATIONAL BACKGROUND**

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2011-2015: PhD ( Pedagogy-Biology)  
Thesis Title: *“Relationship between Students’ Perception of Biology Learning Environment and their Achievement, Motivation and Attitude in Co-educational Secondary Schools in Siaya County, Kenya”*  
Maseno University

- 2004-2010: MEd (Science Education)  
Thesis Title: *“Effects of Concept Mapping Teaching Strategy on Achievement and Attitude towards Secondary School Biology in Bondo District, Kenya”* Egerton University
- 1993-1997: BEd(Science)  
Subjects: Botany/Zoology, Chemistry and Education Courses  
Second Class Upper Division.  
Moi University
- 1988-1991: Certificate in Secondary Education (KCSE)  
B- (Minus)  
Chianda High School, Rarieda Sub-County
- 1980-1987: Certificate in Primary Education (KCPE)  
60 out of 72 Points  
Nyasidhi Primary School, Gem Sub-County

## **EMPLOYMENT HISTORY**

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**March 2022-To date** Maseno University  
**Lecturer**  
Department of Educational Communication Technology & Curriculum Studies  
School of Education

**Aug 2017-Feb 2022** Rongo University  
**Lecturer**  
Department of Curriculum Instruction and Media  
School of Education

**2009-July 2017** Gongo Warom Secondary School  
**Teacher and HOD of Science Department**

- Taught and Examined students in Biology and Chemistry
- Managed the Human Resource in Science Department
- Counseled and guided students on Career aspirations
- Budgeted and Procured Laboratory Equipments and Chemicals
- Supervised curriculum implementation in Science Department
- Supervised students projects for science congress

**2013- 2015** Jaramogi Oginga Odinga University of Science and Technology  
Department of Special Needs and Early Childhood Education  
**Part Time Lecturer (School based program)**

- Taught and examined students in Educational and Measurement and Evaluation in ECDE
- Taught and examined students in Environmental Education

**2012**

Maseno University  
Department of Educational Communication Technology and  
Curriculum Studies

**Part Time Lecturer (School based program)**

- Taught and examined students in Special Methods of Teaching Biology
- Developed eLearning Content for Special Methods of Teaching Biology
- Online tutoring of Special Methods of Teaching Biology

**1997- 2009**

Bar Chando Girls High School

**Teacher and HOD of Science Department**

- Taught and Examined students in Biology and Chemistry
- Managed the Human Resource in Science Department
- Budgeted and Procured Laboratory Chemicals and Equipments
- Supervised students' projects for Science Congress

**UNIVERSITY CAREER**

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**Lecturer-**

August 2017 –Present

Department of Curriculum Instruction and Media

**Courses Taught**

- General Methods of Teaching
- Methods of Teaching Biology
- Methods of Teaching Chemistry
- Science Education
- Micro-teaching and Media Practicals
- Teaching Practice

**Administrative Responsibilities**

- Member of Rongo University Research Conference Planning committee for 2021
- Member of Senate Committee on Library and Bookshop- January 2018-Present
- Chairperson Departmental Graduate Studies Committee- October 2019-Present

**Internal Appointment as Examiner**

- Examination of Thesis for Mr. Oloo Collins Odhiambo-MEDH/1003/2014  
Title of Thesis: *Influence of Parental Involvement on Academic Achievement of Pupils in Rachuonyo South Sub-County, Kenya*- May 2018.
- Examination of Thesis for Mr. Philip Otieno Aduda-MEP/9205/2014  
Title of Thesis: *Effects of Class Repetition on the Academic Performance of Pupils in Lower Primary Schools in Homa-bay Sub-County*- Nov 2019

### **Appointments to Board of Examination**

- Examination of thesis for Ms. Langat Pauline Chemutai- MED/ED/ 008/13  
Title of Thesis: *Influence of Leadership Styles of Middle Level Managers on Employees Talent Development at Rongo University, Migori County*- September 2018
- Examination of thesis for Mr. Joshua Ochieng-MECD/1010/2014  
Title of Thesis: *Factors Affecting Supervision of Curriculum Implementation in Class Four in Public Primary Schools in Rongo Sub-County*- November 2018
- Examination of thesis for Ms. Awuor Dorothy Okayo- MEDH/1020/2014  
Title of Thesis: *An Examination of Children's Behavior Problems in Learning in Early Childhood Education in Rongo Sub-County, Migori*- July 2019

### **Ongoing Supervision of students**

- Student: Beatrice Achieng-MSNE/9505/2014. Provisional title: *Factors Affecting Academic Performance of the Visually Impaired Learners in Inclusive Primary Schools in Uriri Sub-county , Migori County, Kenya.*
- Student: Paul Were- PEA/6005/2015. Provisional Title: *An Assessment of Performance Contracting in Service Delivery in Secondary Schools in Migori County, Kenya*

### **CONFERENCES, TRAININGS AND WORKSHOPS ATTENDED**

12 <sup>th</sup> -16 <sup>th</sup> August 2019	Presented a paper entitled " <i>Towards Teaching/Learning for Transfer of Knowledge: a Constructivist View</i> " in the 2 <sup>nd</sup> Rongo University Multidisciplinary Research Conference
June 12 <sup>th</sup> -14 <sup>th</sup> June 2019	Presented a paper entitled " <i>Towards a Competency Based Curriculum: a Pedagogic Perspective</i> " in the 9 <sup>th</sup> Annual International Conference-Eldoret Polytechnic
March 6 <sup>th</sup> - 9 <sup>th</sup> March 2018	Presented a paper on the <i>Transformational Potential of Science Process Skills in 21<sup>st</sup> Century</i> in the 1 <sup>st</sup> Rongo University International and Multidisciplinary Research Conference
April to June 2015	Certificate in Computing Bukura Agricultural College Bukura

## **MEMBERSHIP OF PROFESSIONAL ORGANIZATION**

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Member of Organization for Social Sciences Research in Eastern and Southern Africa (OSSREA)

## **PUBLICATIONS**

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**Ongowo, R. O.** (2021). Students' Epistemological Beliefs from Grade Level Perspective and Relationship with Science Achievement in Kenya, *Education Inquiry*,  
DOI: 10.1080/20004508.2021.1892917  
<https://doi.org/10.1080/20004508.2021.1892917>

Ochieng, B. A. , Namunga, N., & **Ongowo, R. O.** (2021). Factors Influencing Academic Performance of Learners with Visual Impairment in Inclusive Primary Schools in Uriri Sub-County, Migori County, Kenya, *The International Journal of Humanities & Social Studies* 9 (2), 128-143.  
DOI: 10.24940/theijhss/2021/v9/i2/HS2102-040

**Ongowo, R.O.** (2020). Science Epistemological Beliefs from the Perspective of Culture and Gender in Co-educational Secondary Schools, Kenya. *Creative Education* 11(7), 1162-1178  
<https://doi.org/10.4236/ce.2020.117087>

**Ongowo R.O.** (2019). Students' Motivation to Learn Biology. In A.G. Mag (Ed.) *Perspectives of Arts and Social Studies Vol.3*, (pp.104-117), Book Publisher International, United Kingdom.

**Ongowo R.O.** (2018). Motivation to Learn Biology: Gender and School Type Differences in Co-Educational Schools in Siaya County, Kenya. *Journal of Education, Society and Behavioral Science* 27 (3), 1-13. DOI: 10.9734/JESBS/2018/44722  
<https://www.researchgate.net/publication/328690809>

**Ongowo R.O.** (2017). Secondary School Students' Mastery of Integrated Science Process Skills in Siaya County, Kenya. *Creative Education* 8 (12), 1941-1956.  
<https://doi.org/10.4236/ce.2017.812132>

**Ongowo, R.O.**, Indoshi, F.C. & Ayere, M. A. (2015). Perception of Constructivist Learning Environment: Gender and School Type Differences in Siaya County, Kenya. *Advances in Research*, 4 (1), 15-26. <http://www.sciencedomain.org>.

- Ongowo, R.O.**, Indoshi, F.C. & Ayere, M. A. (2014). Relationship between Students' Perception of a Constructivist Learning Environment and Motivation towards Biology in Siaya County, Kenya. *Global Journal of Interdisciplinary Social Sciences*, 3(4), 23-30.  
[www.gifre.org/gjiss/gjisscurisu.aspx](http://www.gifre.org/gjiss/gjisscurisu.aspx)
- Ongowo, R.O.** (2014). *Science Process Skills in Biology Practical Examinations and Books*, Germany, Lambert Academic Publishing.
- Ongowo, R. O.** & Hungi, S. K. (2014). Motivational Beliefs and Self-Regulation in Biology Learning: Influence of Ethnicity, Gender and Grade Level in Kenya. *Creative Education*, 5 (4), 218-227.  
<http://dx.doi.org/10.4236/ce.2014.54031>
- Ongowo, R.O.** & Indoshi, F.C. (2013). Science Process Skills in the Kenya Certificate of Secondary Education Biology Practical Examinations, *Creative Education*, 4 (11), 713-717.  
<http://dx.doi.org/10.4236/ce.2013.411101>
- Ongowo, R.O.**(2013).Secondary school teachers' perceptions of a Biology constructivist learning environment in Gem District, Kenya. *International Journal of Educational Research and Technology*, 4 (2), 1-6. <http://soeagra.com/ijert/ijert.htm>
- Ongowo, R.O.** (2012). Reducing Gender Differences in Achievement in Biology through Concept Mapping Strategy. *Kenya Journal of Education Planning, Economics and Management*, 5 (5) 26-33.
- Ongowo, R.O.**, Keraro, F.N., Okere, M.O.(2011).Concept Mapping: An Interactive Teaching Strategy that Enhances Active Learning and Student Achievement in Biology. *Journal of Education & Pedagogy*, 3, (2), 1-12.
- Ongowo, R.O.**, Keraro, F.N., Okere, M.O.(2011). Effects of Concept Mapping Teaching Strategy on Students' Attitude towards Secondary School Biology. *Kenya Journal of Education Planning, Economics and Management*, 3 (3), 11-18.

## REFEREES

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Dr. Kennedy O. Otieno (PhD)  
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