


**MR. DOUGLAS MOSOTI**

	
Department:	Biological Sciences
<b>PERSONAL INFORMATION</b>	
Name:	Mr. Rayori Douglas Mosoti
Nationality:	Kenyan
Address:	P.O. Box: 408                      Code: 40200 Town: Kisii
Office location (No.)	
E-mail:	<a href="mailto:drayori@kisiiversity.ac.ke">drayori@kisiiversity.ac.ke</a>
<b>Education</b>	
Masters:	MSc. Molecular Biology Katholieke Universiteit Leuven (KULeuven), Leuven, Belgium September 2010 - September 2012
Undergraduate:	Bachelor of Science: Biochemistry Kenyatta University , Nairobi, Kenya August 2005 - 2009
Secondary:	KCSE Lodwar High School 2000-2003
Primary/Elementary School:	KCPE Ortum Boys Boarding Primary School 1996-1999

## CAREER DEVELOPMENT/WORK EXPERIENCE

### A. Professional Experience

1. **January 2013-To date: Assistant Lecturer** Department of Biological Sciences, School of Pure and Applied Sciences, Kisii University

2. **January 2013-DEC 2013: PART-TIME Lecturer** Department of Biological Sciences, School of Pure and Applied Sciences, Kisii University

3. **November 2012 – January 2013: Faculty Associate at Mount Kenya University – Kisii Campus**

**Responsibilities:** Teaching undergraduate students

4. **22nd September 2009 – 30th February 2010: Attachment** at Kenya Agricultural Research Institute-Biotechnology Centre, Nairobi, Kenya

5. **2nd June 2009 – 31st August 2009: Industrial attachment** at Kenya Bureau of Standards (Kebs), Nairobi, Kenya

### B. Teaching/Work Experience

1. **January 2013-To date: Assistant Lecturer** Department of Biological Sciences, School of Pure and Applied Sciences, Kisii University

**Responsibilities:** Teaching undergraduate students and research, Faculty representative to the Board of Undergraduate Students

2. **January 2013-DEC 2013: PART-TIME Lecturer** Department of Biological Sciences, School of Pure and Applied Sciences, Kisii University

**Responsibilities:** Teaching undergraduate students

3. **November 2012 – January 2013: Faculty Associate at Mount Kenya University – Kisii Campus**

**Responsibilities:** Teaching undergraduate students

4. **1st July 2010 – 20th September 2010: Part-time lecturer** at Kenya Polytechnique University, Nairobi, Kenya Department of Biochemistry and Biotechnology

**Responsibilities:** Teaching diploma students

### C. Supervision of Ongoing Undergraduates

1. 2016-2018

10 students

## ADMINISTRATIVE AND MANAGEMENT DUTIES

1. **October 2016- To date: Industrial Attachment Coordinator**, School of Pure and Applied Sciences, Kisii University

**Responsibilities:** Coordination of industrial attachment program in the School of Pure and Applied Sciences

**2. September 2016: Acting Chairman of Department Biological Sciences,** School of Pure and Applied Sciences.

**Responsibilities:** Coordination of academic programmes in the department.

**3. May 2015- To date: Patron, Biological Sciences Students in PASSA student organization,** School of Pure and Applied Sciences, Kisii University

**January 2015- To date: Member Board of Undergraduate,** Kisii University

#### **SEMINARS / CONFERENCES ATTENDED**

1. International Symposium: Water quality and Harmful Algal Blooms Organized by Kisii University, Bowling Green State University (BGSU) and Kenya Marine Fisheries Institute (KEMFRI) in April 24<sup>th</sup>, 2018. Held at Ufanisi Hotel Kisii

2. Training **workshop on supervision** of Postgraduate students held on **14<sup>th</sup> June, 2017** at Kisii University- Old Moot Court.

3. Interuniversity Programme Molecular Biology Alumni Meeting **September 18<sup>th</sup>-19<sup>th</sup>, 2017** at Institute of Primate Research, Nairobi

a) **Oral Presentation:** Designing and developing laboratory equipment using open source ware and 3D printer. A case of Micropipettes

b) **Posters:** Yield Research Unit: A platform to promote research in Science

4. Training **Workshop on developing laboratory equipment by using Open Source Ware and 3D printing technology** held on **26<sup>th</sup> June-8<sup>th</sup> July, 2017** at the University of Ibadan, Nigeria. Organised by Trend in Africa, Sponsored by VolkSwagenstiftung, Germany.

5. Participated in a seminar on **Curriculum development and review**, which was organized by Kisii University.

6. Participated in a seminar on ***The role of maize leaf as a model organ in research*** in July 14<sup>th</sup> 2012, was organized by Plant Systems Biology-Ghent and facilitated by Dr.HeldiNelissen, held at Plant systems Biology, Ghent, Belgium

7. Participated in a seminar on ***Quantitative Polymerase chain reaction (qPCR) analysis*** in May 2012, was organized and sponsored by Bioline and facilitated by Dr. Steve Hawkins, held at Plant Systems Biology Ghent, Belgium

8. Participated in a seminar on ***Science and Risk communication of GM crops*** in December 8<sup>th</sup> 2011, was organized by Institute of Plant Biotechnology Outreach (IPBO), held at Het Pand, Gent, Belgium

#### **ABILITY TO SOURCE FOR FUNDS**

1. Ministry of Education, Kenya and African Development Bank. PhD scholarship training. 2018

2. Funded Workshop training on 3D printing technology. Trend in Africa. 2018

3. 3D printer laboratory equipment. Trend in Africa in conjunction with Volkswagen stiftung, Germany. 2017

4. **October 2010 - September 2012:** VLIR-UOS Scholarship for Inter-University program in Molecular Biology (IPMB)

#### **PUBLICATIONS/PAPERS**

1. Obed M. Nyabaro<sup>1</sup>, Titus M. Muthoka<sup>2</sup>, **Douglas Mosoti**<sup>3</sup>, Onyancha Evans<sup>4</sup>. Determination of the pollutant levels of waste water from Nakuru Tanners, Kenya.

2. Jasper Candaele, Kirin Demuyne, **Douglas Mosoti**, Gerrit T.S. Beemster, Dirk Inzé<sup>3</sup> and Hilde Nelissen<sup>3,\*</sup> Differential Methylation during Maize Leaf Growth Targets Developmentally Regulated Genes<sup>1[C][W][OA]</sup>

3. Makworo E Obwoye; Nyabaro O. Mainya; **Douglas Mosoti**. Opportunities and challenges of Application of 3D printing technology in Teaching and learning in developing countries Africa. Volume 7, Issue 1, January 2018

4. Obed M. Nyabaro<sup>1</sup>, Patrick Tum<sup>2</sup>, **Douglas Mosoti**<sup>3</sup>. Optimization of Essential oil extraction from *Eucalyptus grandis* leaves by Clevenger distillation. International Journal of Science and Research. Volume 5, Issue 7. Page 493-496

#### REFEREES

1. Dr. Evans K. Okemwa. PhD.  
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