

**DR. DENIS MUTAMA MASIKA**

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**EDUCATION**

2013 to 2019: PhD in Environmental Science	Maseno University.
2000 – 2005 Master of Science (Hydrology)	University of Nairobi
1995 – 1999 Bachelor of Education (Science)	Kenyatta University

**RESEARCH EXPERIENCE**

1. Flood Disaster Risk Reduction in Bunyala, Busia County, Kenya funded by African Climate Policy Centre (ACPC) of the United Nations Economic Commission for Africa (UN-ECA) in collaboration with African Development Bank.
2. Hydrological assessment for water abstraction project for Boito Tea Factory on Itare River in Kericho County, Lake Victoria South Catchment Area; October 2015
3. Hydrological assessment on Gucha River for Itumbe Small Hydropower Project, Sameta Sub-County, Kisii County, Itumbe Tea Factory in Lake Victoria South Catchment Area; August 2015
4. Hydrological assessment for Chebich Coffee Cooperative and Community hydro project on Kuywa River at Kimorong, Bungoma County, Lake Victoria North Catchment Area; April 2015
5. Hydrological assessment for Chemosit Small Hydro Power Project on Chemosit River in Kericho County in Lake Victoria South Catchment Area September 2014
6. Hydrological assessment for Central Kakamega Micro Hydro Power Project on River Sasala in Navakholo sub-County, Kakamega County; April 2014
7. Consultant - Multiface Research and Development Centre - Project on “Household and Community Experiences and Perceptions on Climate Change Impacts due to Floods, and Expectations on Policy in Budalangi, Western Kenya”. A USAID funded project under African and Latin American Resilience to Climate Change (ARCC) April 2013 – March 2014.
8. Socio-economic survey for Lusumu Water Resource Users’ Association (LUSUWRUA), Lake Victoria North Catchment Area. January 2013
9. Hydrological assessment for the proposed abstraction of water from River Tana, Tseikuru District, World Vision/Tseikuru IPA Tana Catchment Area, December, 2012
10. Developed Water Allocation Plan for Kuywa Sub-catchment in collaboration with community members and stakeholders in Lake Victoria North Catchment Area, December 2012
11. Consultant - Kenya Case Study on “Loss and Damage associated with flooding in Budalangi Division, Western Kenya.” CDKN Loss and Damage in Vulnerability Countries Initiative coordinated by United Nations University in Bonn (UNU) Institute for Environment and Human Security and the African Climate Policy Centre (ACPC) of United Nations Economic Commission for Africa May, 2012 – May, 2013.
12. Socio-economic survey for Sosio Water Resource Users’ Association in Lake Victoria North Catchment Area, March 2012

13. Carried out water abstraction survey in Kuywa sub-catchment in collaboration with Kuywa Water Resource Users Association in Lake Victoria North Catchment Area, November 2011
14. Carried out water abstraction survey in Maragoli Hill sub-catchment in collaboration with Maragoli Hill Water Resource Users Association; Lake Victoria North Catchment Area , July 2011

### TEACHING EXPERIENCE

September 2019 to date	Lecturer	Department of Hydrology and Water Resources Management
October 2011 to August 2019	Tutorial Fellow	Department of Hydrology and Water Resources Management

### PROFESSIONAL MEMBERSHIP

- Member: Hydrological Society of Kenya

### SKILLS AND TRAINING

1. Hydrological Modelling Offered by Centre for Integrated water and Basin Management, Faculty of Engineering and Technology, Egerton University. Held on 24<sup>th</sup>-28<sup>th</sup> July 2017
2. WEAP Online Training Course for Beginner's September, 2014 session held on 18/09/2014
3. Certificate Course in Monitoring and Evaluation at AMREF International Training Centre-Nairobi 22<sup>nd</sup> October – 16<sup>th</sup> November 2007
4. Participatory Integrated Community Development (PICD) Process And Natural Resource Management – Tom Mboya Labour College- Kisumu 12<sup>th</sup>-23<sup>rd</sup> January 2009
5. Effective Management Options for Flood and Drought in Budalangi held at Sunset Hotel-Kisumu, 23<sup>rd</sup> - 28<sup>th</sup> February 2009
6. GIS training in Kisumu Hotel 16<sup>th</sup> – 21<sup>st</sup> March, 2009
7. Environmental and Social Management Framework (ESMF) held at Kisumu Hotel 20<sup>th</sup>-24<sup>th</sup> April 2009
8. Participatory Integrated Water Resources Management Planning in Lower Sosiani River micro-catchment held at Spring Park Hotel-Turbo, 2<sup>nd</sup>- 9<sup>th</sup> June 2009
9. Mapping and spatial information management in Disasters - Map Action, Oct 2009
10. Software, technical and maintenance for Sutron hydro-meteorological stations - Kenya Meteorological Department, November, 2010

### LEADERSHIP EXPERIENCE

August 2008 to October 2011 : Water Resource Data Analyst, Western Kenya Community-Driven Development & Flood mitigation Project. A World Bank Funded Project

December 2007 to July 2008: Project Officer, Vihiga Community Development Organization seconded to Uganda under the Fredskorpset Exchange Programme-FK Norway

### CONFERENCES AND WORKSHOPS

Obiri. J. and **Masika, D.** (2012) Assessment of water resource potential in Maragoli Hill sub-catchment, Kenya: Proceedings of the Hydrological Society of Kenya workshop, 13th to 15th May 2012, Naivasha, Kenya.

**Masika D.** and Obiri J. (2012) Assessing the baseline water quality for the Noigameget River in Nzoia basin in relation to its suitability for agricultural use: Conference on “Sustainable water management in African Countries, 1<sup>st</sup>-3<sup>rd</sup> October, 2012, Kisumu, Kenya”.

### PUBLICATIONS

**Masika, D.M.** and Abuom, P.O. (2018). Impacts of small scale water abstractions on Sosiani River, Kenya. Researchjournal's Journal of Geography. Vol. 5, No. 6 August, 2018

**Masika, D.M.** and Abuom, P.O. (2018). Rainfall Runoff Modeling Using HEC-HMS SMA for water balance determination in Sosiani catchment, Kenya. Researchjournal's Journal of Geography Vol. 5, No. 6 August, 2018

Opondo, D.O., Anyona, G. O. and **Masika, D.** (2014). Household and community experiences and perceptions on climate change impacts due to floods, and expectations on policy in Bunyala sub-County, Western Kenya. African and Latin American Resilience to Climate Change (ARCC). A United States Agency for International Development funded project implemented by Tetra Tech ARD.

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