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**EDUCATION**

1991 – 1995: University of Nairobi (MSc)

1988 – 1991: University of Nairobi (BSc)

**RESEARCH EXPERIENCE**

**2016:** Flood Disaster Risk Reduction in Bunyala, Busia County Kenya.

**2016:** Hydrological assessment report preparation for hydroelectric power generation from Yala River at Ndano falls in Yala sub County, Siaya County. This task was carried out for Gem Gen Power Company County.

**2016:** Hydrological assessment for abstraction of water from Nyangweta River, for Renewable Energy, Sugar & Distillery Project At Nyangweta, South Mugirango, Kisii County. This task was carried out for Kenoria group

**2015:** Hydrological assessment for abstraction of water from Lake Victoria for small scale irrigation in Rarieda and Bondo Sub Counties in Siaya County. This task was carried out for Ace Africa Kenya

**2015:** Hydrological assessment for abstraction of water from Chebango Spring, Bomet County. This task was carried out for Chebango EPZ Tea Company Limited

**2015:** Hydrological assessment for abstraction of water from Sosiani River, Uasin Gishu County. This task was carried out for Timber Treatment International (TTI) Limited

**2015:** Hydrological assessment for proposed abstraction of water from Chemosit River, Kericho County. This task was carried for Everseasons Limited

**2014:** Hydrological assessment for the proposed abstraction of water from Nyando River, Kisumu County

2013 - 2014: A Co-Principal Investigator in a study on “Household and Community Experiences and Perceptions on Climate Change Impacts due to Floods, and Expectations on Policy in Budalangi, Western Kenya”. This study is sponsored by USAID through African and Latin American Resilience to Climate Change (ARCC) grant.

2012 - 2013: Assessment of “Loss and Damage Associated with impacts of Flooding due to Climate Change” in Budalangi Division, Kenya. This was a Kenya case study on “Loss and damage in Vulnerable Countries Initiatives” sponsored by UN University Institute for Environment and Human security.

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**2011:** Hydrological survey during the feasibility study for reverse osmosis plant at Van Den Berg Ltd in Naivasha. This is intended to provide sustainable water for irrigation flowers for the cut flowers. Duties considered included assessment of sources of water and temporary storage basins.

**2010:** Document reviews and meta-data development on water and related projects carried out in Kuja – Migori River basin. This work was carried out for the Nile Basin Initiative (NBI).

**2010:** Hydrological study for Lake Victoria Management Project (LVEMP II) leading to development of wetland management plans for King'wal (Kapsabet district) and Ombeyi (Nyando district) wetland sites. Duties included collection of hydrological data, analysis and reporting.

**2009:** Hydrologist for Geoplan Consultants Ltd during the feasibility study of Uyara Kalara dam in Boro Division, Siaya district for Ministry of Agriculture. Duties included collection of hydrological data, analysis and reporting.

**2009:** Hydrologist for Tertiary Consulting Engineering during the feasibility study and detailed design of Nyahururu Water Supply Project. Duties included collection of hydrological data, analysis and reporting.

**2008:** Hydrological study of Sio-Malaba River system wetlands for Lake Victoria Environmental Management Programme (LVEMP) leading to the development of a wetland management plan for the Sio-Malaba system. This was a Nile Basin Initiative project. Duties included collection of hydrological data, analysis and reporting.

**2008:** Hydrological Survey for HVA consultants during the feasibility study for the irrigation project of the proposed Kwale Sugar (formerly Ramisi Sugar). Duties included collection of hydrological data, analysis and reporting.

**2008:** A hydrologist with Norken Kenya Ltd during the feasibility study for the proposed sewage treatment plant for Kiserian Town. Duties included hydrological survey, calculation of environmental flows and dry weather flow.

**2007:** A hydrologist with APEC Consortium during the feasibility study and design for the proposed Thika Road. Duties included hydrological survey of the project area, identification of impacts of the proposed project on the hydrology and water resources in the project area and device appropriate mitigation measures.

**2006:** A hydrologist with APEC Consortium during the feasibility study and design for the proposed reconstruction of Mai Mahiu – Naivasha – Lanet Road. Duties included hydrological survey of the project area, identification of impacts of the proposed project on the hydrology and water resources in the project area and device appropriate mitigation measures.

**2006:** A hydrologist with APEC Consortium during the feasibility study and design for the proposed reconstruction of Keroka – Nyangusu - Kiamokama Road. Duties included hydrological survey of the project area, identification of impacts of the proposed project on the hydrology and water resources in the project area and device appropriate mitigation measures.

**2004 to 2007:** A hydrologist with Aquaclean Consultants where the main projects consisted of roads, buildings, water supply and sewerage, industries, and hotels. The main tasks included:

- Hydrological surveys;
- Water resources assessments; and
- Feasibility studies
- EIA and EA under a lead expert

**2004:** A hydrologist and a Wetland Consultant for SMEC International Pty Ltd. Duties included: Characterisation of catchments, measurements of inflows and outflows and hydrological Processes for Kericho and Eldoret Buffering Capacity of Wetlands Study Sites.

**2000 - 2003:** A researcher at Wetlands Component of Lake Victoria Environment Project (LVEMP). LVEMP is a World Bank sponsored project funded by GEF and IDA. Duties included research on hydrology of wetlands in the Lake Victoria Drainage Basin, planning and management of wetland activities in the Lake Victoria drainage basin, promotion of community conservation and sustainable management of wetland resources at various wetland sites in the Lake basin and editing all the technical reports within the wetlands component

## **TEACHING EXPERIENCE**

**2007 to date:** Assistant Lecturer in the Department of Hydrology and Water Resources Management in the School of Environment and Earth Sciences, Maseno University.

## **SKILLS AND TRAINING**

- Planning, implementing and monitoring of community water and wetlands management projects through community participation.
- Rapid assessment of wetlands and buffering capacity studies.
- Climate change and Flooding.

## **LEADERSHIP EXPERIENCE**

- 2006 to date: Time Table and Examination Coordinator, Department of Hydrology and Water Resources Management
- 1998 -2000: A District hydrologist (Based in Busia District) in the Ministry of Environment and Natural Resources, Water Department.

## **CONFERENCES AND WORKSHOPS**

- Attended Monthly Technology Transfer Workshops conducted by SMEC International Pty Ltd for LVEMP Staff at Kericho (August) and Eldoret (9<sup>th</sup> September)
- Presented a brief on "LVEMP research on wetlands/Yala Swamp at Ecotools Scientific Workshop on the Yala swamp at SWITEI Hotel, Bondo, 9-10 December, 2003
- A Resource Person at a Training Workshop for District Environment Officers from Lake Victoria Basin Districts on LVEMP – Wetland Database Development held from 16<sup>th</sup> to 20<sup>th</sup> September 2003 at Farm View Hotel in Busia (K).
- 1996: Participated at a National Dissemination Seminar at Milimani Hotel, Nairobi, to disseminate the results of "The study on the Situation of Women and Children in the Four ASAL Districts of Kajiado, West Pokot, Isiolo and Turkana".

## **PUBLICATIONS**

- 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.
- Anyona G.O. (2000): The Hydrology of Swamps in Siaya: A case study of Yala Swamp. A paper presented at a workshop during the 10<sup>th</sup> anniversary and annual conference of the East African Environmental Network (EAEN) held in Nairobi on 26<sup>th</sup> -27<sup>th</sup> May 2000.
- Obudho R.A., Owuor S.O., Awino J.O. and Anyona G.O. (1995): "The Role of Small Urban Centres in the Economic Recovery and Regional Development in Africa: A case of the Western

Region of Kenya". This paper was commissioned by the United National Centre for Regional Development (UNCRD), Africa Office.