

CURRICULUM VITAE

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EDUCATIONAL

- A. Kwame Nkrumah University of Science & Technology, Kumasi, Ghana
- 1973 - 1977
- B. University of New South Wales, Sydney, Australia
- 1982 - 1984
- C. University of New South Wales, Sydney, Australia
- 1988 - 1993

QUALIFICATIONS:

- A. BSc (Hons) Mathematics, - 1977
- B. M. Eng Sc, Hydrology & Water Resources Management - 1984
- C. Ph.D, Hydrology - 1993

CURRENT POSITION:

Acting Director of CSIR Water Research Institute, Ghana.

LANGUAGES

English and French

COMPUTER SKILLS

Excellent computer skills including Word, Excel Spreadsheet, Power Point and Database Management Softwares.

DUTIES:

In charge of CSIR Water Research Institute

Commissioner of Water Resources Commission on behalf of CSIR Water Research Institute

Member of National Science Committee of the Ghana National Commission for

UNESCO

Ghana Representative of FRIEND AOC Project, UNESCO IHP

Member of the National Committee for International Hydrology and Water Resources Programmes.

PROFESSIONAL ASSOCIATION

Member of International Association of Hydrological Sciences (Membership No. 5886)

Member of Ghana Science Association

EXPERIENCE

Have carried out a number of studies in surface water hydrology for river basin management.

Specific Areas include:

- Surface water resources assessment of major rivers in Ghana including the Volta River.
- Impact of climate change on water resources of major hydro-climatic zones in Ghana.
- Evaluation of spring sources and monitoring of low flows for developing rural water supply schemes.

Recent studies include a preliminary diagnostic analysis of the Volta River Basin for the development of a preliminary strategic Action Programme for addressing transboundary concerns in the basin and downstream coastal area. The other study is a hydro-political assessment of water governance in the Volta basin.

SOME CONSULTANCIES UNDERTAKEN:

1. The identification and elaboration of demonstration projects under the UNEP/GEF project "Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area" for UNEP Collaborating Centre for Water and Environment, 2005.
2. Situation Analysis for the "Project for Improving Water Governance for the Volta River Basin" (PAGEV) implemented by IUCN, 2004.
3. UNEP/FAO Project on "Addressing water-related environmental Impacts in Agriculture for the next 30 years", 2004.

4. Led a group of experts in a study of Climate Change Vulnerability and Adaptation Assessment on Water Resources of Ghana, 2000.
5. Prepared the component of Climate Change Vulnerability and Adaptation Assessment on Water Resources of the Ghana Communication on Climate Change, 2000
6. Water Resources Management Study, Information Building Block Study. Runoff and Surface Water Resources. Ministry of Works and Housing, 1998.
7. Inventory of data for water resources assessment in the Northern part of the Volta Region, Community Water and Sanitation Division (GWSC), Volta Rural and Water Supply and Sanitation Project, 1996.
8. Water Resources Monitoring - Low Flow of Springs and Streams, Volta Region Rural Water Supply and Sanitation Project, Royal Danish Embassy, Accra, 1996.
9. Environmental Monitoring: Land Use Changes and Water Resources, Volta Region Rural Water Supply and Sanitation Project, Royal Danish Embassy, Accra, 1996.

SELECTED PUBLICATIONS

1. Y. Opoku-Ankomah & Z. Minia (2005) Climate Change Scenarios and Impacts on Water Resources of the Volta River Basin. A paper presented at International Seminar on Climate and Anthropogenic Impacts on the Variability of Water Resources. Montpellier, 22-24 November, 2005.
2. Y. Opoku-Ankomah, Y. Dembelé, B.Y. Ampomah & I. Somé (2005) The HydroPolitical Assessment of Water Governance from the Top-Down in the Volta Basin. International Water Management Institute Working Paper.
3. Hydrological Modelling and Assessment of Effects of Potential Climate Change on River Runoff *in Climate Change Vulnerability and Adaptation Assessment on Water Resources of Ghana* (2000) Water Research Institute Technical Bulletin. Accra.
4. Y. Opoku-Ankomah & B.A. Amisigo (1998) Rainfall and runoff variability in the South-Western river system of Ghana. IAHS Publication No. 252. Water Resources Variability in Africa during the XXth Century, pp 307-314.
5. Opoku-Ankomah, Y. and Forson, M.A. (1998) Assessing surface water resources of the South-Western and Coastal basin systems of Ghana. *Hydrological Sciences*, **43**(5).
6. Opoku-Ankomah, Y. and Manful, G. (1998) Assessment of the vulnerability of the Ghana's water resources to Climate Change. Proceedings of Conference on National Assessment Results of Climate Change Impacts and Responses, San

Jose, Costa Rica, March.

7. Opoku-Ankomah (1996) Rainfall Patterns in Ghana (1935-1995) and Flooding in Accra. Proceedings of Ghana Institutions of Engineers, 27th Annual General Meeting and Conference on "The Accra Floods: Towards a Total Solution".
8. Opoku-Ankomah, Y. and J.Y. Diiwu (1994) Rainfall Variation and Indices of Location in Ghana, Water Resources Research Institute Tech. Publication, Accra.
9. Opoku-Ankomah, Y. (1994) Towards prediction of monsoonal rainfall variability in Ghana. Proceedings of the International Conference on Monsoon Variability and Prediction, Trieste, Italy, 9-13 May, pp 56-63.
10. Opoku-Ankomah, Y. and I. Cordery (1994). Atlantic sea-surface temperatures and rainfall variability in Ghana. Jour. of Climate 7, 551-558.
11. Cordery, I. and Y. Opoku-Ankomah (1994). Temporal Variation of Relations between Tropical sea-surface temperatures and New South Wales Rainfall, Aust. Met Magazine, 43, 73-80.
12. Opoku-Ankomah, Y. and I. Cordery (1993). Temporal Variation of Relations between New South Wales Rainfall and the Southern Oscillation, Int. Jour. Climatol, 13, pp 51 - 64
13. Cordery, I., Y. Opoku-Ankomah and Y. Shih-Lien (1993). Can statistical methods help to forecast drought? Proc. of Engineering Hydrology Symposium, San Francisco, California, July 25-30, 1993 pp 317-322.
14. Cordery, I., Y. Shih-Lien and Y. Opoku-Ankomah (1993) Forecasting Drought - Is it possible? I.E. Australia Hydrology and Water Resources Symposium, New Castle, June 30-July 2, 1993. pp 387-391.
15. Ontoyin, Y. and Y. Opoku-Ankomah (1992). A preliminary study of monthly streamflow characteristics of major river basins of Ghana, Water Resources Research Institute Tech Publication, Accra.
16. Opoku-Ankomah, Y. (1986) Annual Streamflow Characteristics of Major Ghanaian Rivers, Water Resources Research Institute Tech. Publication, Accra.