



NANA YAW DANQUAH TWUMASI (Lecturer)

Wa Polytechnic

Civil Engineering Dept.

P.O. Box, 553, Wa, Ghana

Tel: +233-0249439043

E-mail: bnydt45.ny@gmail.com

Personal Information:

DATE OF BIRTH: 27th July 1978

RELIGION: Christianity

PLACE OF BIRTH: Amansie West District

NATIONALITY: Ghanaian

Work Experience:

1. Since November 2013, Lecturer, Wa Polytechnic,
2. September 2007 – October 2013, Senior Instructor, Wa Polytechnic.
3. September 2011-December 2011, Demonstrator, Geomatic Engineering Department, KNUST
4. December 2014 – October 2016, Manager, Kat Jatrads Dev. Ltd., Wa
5. April 2007 – April 2009, Manager - Kat Jatrads Dev. Ltd. Wa.
6. July 2009 – August 2009, Field Surveyor – ACIDI-VOCA, Farm mapping with hand-held GPS
7. October 2003 – August 2004. Representative for Environmental Protection Agency (EPA), Many Krobo District, attached to the District Planning Office,

Positions held:

1. 1st Nov. 2014 – 11th Sept. 2017 Head of Department, Civil Engineering, Wa Polytechnic
2. 1st Nov. 2012 - 31st Oct. 2014, Examinations Officer, Civil Engineering Wa Polytechnic
3. July 2015 – October 2016, Business Manager (Consultancy Services), Kat Jatrads Dev. Ltd.

Education & Professional Trainings:

- Since 2017, PhD (Pending) Photogrammetry and Remote Sensing, Wuhan University, China
- 2010 - 2013, MSc Geomatic Engineering, Kwame Nkrumah University of Science and Technology, Kumasi.
- 1999 - 2003, BSc. Geodetic Engineering, Kwame Nkrumah University of Science and Technology, Kumasi.
- 1995 - 1997, S. S. S. C. E., Akosombo International School, Akosombo

Research Interests:

Environmental and Water Resources

Agriculture, Climate and Climate Change

Urban Remote Sensing

Research contributions:

- Time Series Analysis of Maize Production in Ghana Using ARIMA Models – A Statistical Approach, AIABDA, Macau, 2018 (Conference Paper)
- Comparison of Impervious Surface Annual Dynamics of Accra and Colombo Using Landsat Time Series from 1980 to 2017 (*Article under review*. Submitted to Episodes – Journal of International Geosciences)
- **Yaw Danquah Twumasi**, Edward Mathew Osei Jnr., Rev. John Ayer. “Flood prediction of the Black Volta in a climate change scenario”, INTERNATIONAL JOURNAL OF GEOMATICS AND GEOSCIENCES, Volume 5, No 3, 2014.
- **Yaw Danquah Twumasi**, Rev. John Ayer, Edward Mathew Osei Jnr. “Computing Flood Volume of Dikpe Catchment using HEC-HMS”, GLOBAL JOURNAL of HUMAN-SOCIAL SCIENCE: B Geography, Geo-Sciences, Environmental Science & Disaster Management, Volume 15 Issue 2 Version 1.0 Year 2015.
- **Y.D. Twumasi**, C. Kwang, L. Boakye, S. Agyei-Frimpong, J.E. Opong-Twum. Abattoir Waste Contribution to Municipal Waste Generation. International Journal of Scientific Research and Management (IJSRM). Volume 4 Issue 11 Pages 4812-4825, 2016.
- Clement Kwang, **Yaw Danquah Twumasi**, Louvis Boakye, John Eakin Opong-Twum, Seth Agyei-Frimpong. “Optimal Landfill Sites for Kumasi Metropolis using Geographic Information Systems and Multi Criteria Decision Analysis”. SciTechnol Journal - Geoinformatics & Geostatistics: An Overview. Volume 5 Issue 4, 2017. DOI: 10.4172/2327-4581.1000163
- **Yaw Danquah Twumasi**, Clement Kwang. “GIS Aided Prospect Siting of Boreholes for Maximum Yield”. International Journal of Scientific Engineering and Science. Volume 1, Issue 9, pp. 4-8, 2017