

# Kwame Adu Agyekum

P. O. Box DK 278  
Darkuman, Accra  
GHANA  
Tel: +233-244-671350  
e-mail: [kaagyekum@gmail.com](mailto:kaagyekum@gmail.com)

## PERSONAL DETAILS

Present status: Student / Research Assistant, Marine Remote Sensing Lab, Department of Oceanography & Fisheries, University of Ghana  
Nationality: Ghanaian

## EDUCATION

Jan 2011 - present

PhD Candidate  
University of Ghana.  
PhD Oceanography  
Research area: Ocean climate variability and its impact on the fisheries of the Gulf of Guinea

2005 – 2008

University of Ghana, Legon  
MPhil. Oceanography  
Thesis Title: Assessment of primary productivity in the Guinea Current Large Marine Ecosystem using remote sensing.

2000 -2004

University of Ghana, Legon  
BSc. (Hons) Oceanography & Fisheries  
Dissertation Title: Spatial distribution of phytoplankton in the Kpeshie lagoon, Accra-Ghana.

1996 – 1998

St. Augustine's College, Cape Coast  
Senior Secondary Certificate Examination  
Distinction

## INTEREST AND ACTIVITIES

- Hydrological, productivity and conservation studies of coastal aquatic ecosystems and resources
- Image processing and analysis
- Application of Remote Sensing and Geographical Information Systems to tackle issues relating to coastal ecosystems, fisheries management and maritime security and safety.
- Coastal Shoreline Inventory Mapping

## TRAINING

October 2009 – April 2010

Internship in satellite imageries and geographic information system applications in coastal zone management and maritime domain awareness at US World Wildlife Fund, Washington and University of Southern California with financial support from the Office of Naval Research, US Navy

March – September 2007

Internship in remote sensing application in marine productivity studies at the Department of Oceanography, University of Cape Town, South Africa with financial support from Interim Guinea Current Commission, University of Ghana and Benguela Environment Fisheries Interaction and Training

2004 – 2005

National Service Personnel

- Teaching and research assistant at the Department of Oceanography and Fisheries, University of Ghana, Legon

## VOLUNTEER EXPERIENCE

- Member of Ecosystem Approach to Fisheries Management Studies (a collaboration between the Department of Oceanography & Fisheries, University of Ghana and the University of Newcastle Upon Tyne, UK)

- Off shore sampling of marine waters of Ghana, Togo, Benin and Nigeria for the West African Gas Pipeline Project, Environmental Baseline Survey on board RV GeoExplorer in June, 2003
- Environmental and biological studies of the Kpeshie, Sakumo, Bortianor and Djange Lagoons of the Greater Accra Region, Ghana
- NOAA-AOML African Partnership Station floats and drifter deployment demonstrations in the Gulf of Guinea on board US Naval Ship HSV 2 – Swift (11 -13 March, 2008)
- Department of Oceanography and Fisheries (University of Ghana) and African Partnership Station training workshop on coastal processes (7 – 11 April, 2008)
- Tropical Atlantic Climate Experiment (TACE)/Equatorial Undercurrent Cruise (EUC) of the equatorial Atlantic on board RV Endeavor (22 May -27 June, 2009)
- Coastal and Shelf Processes and Maritime Sensing Programme, Department of Oceanography & Fisheries, University of Ghana (2010 - present)

#### AWARDS

- Ghana Graduate Fellowship (2006/7)
- International Ocean Colour Coordinating Group (IOCCG) scholarship to attend Ocean Colour 2007 Africa training course in Mombasa, Kenya.

#### COMPUTER SKILLS

MS Office, Corel, SPSS  
 Bilko, Enviview, VISAT-Beam  
 Programming language: Matlab

#### PRESENTATIONS

Assessment of primary productivity in the Guinea Current Large Marine Ecosystem using remote sensing at the 7<sup>th</sup> AARSE International Conference on Earth Observation and Geoinformation for Governance in Africa, Accra-Ghana (27 October, 2008)

Observations of the thermal variability of the mixed layer depth of the equatorial Atlantic at the IEEE International Geoscience and Remote Sensing Symposium (IGARSS 2009), Cape Town, South Africa (13-17 July, 2009)

Identifying potential fishing zones of Tuna in the Gulf of Guinea using remote sensed sea surface temperature at the 8<sup>th</sup> AARSE International Conference on Earth Observation and Geoinformation for Governance in Africa, Addis Ababa - Ethiopia (25 – 29 October, 2010)

#### PUBLICATION

Agyekum, K. A, Wiafe G. and Appiah, A. (2008). Diversity and spatial distribution of phytoplankton in a tropical lagoon. *Journal of the Ghana Science Association*, 10, 9-14.

F.K.E. Nunoo, Josephine O. Boateng, Angela M. Ahulu, Kwame A. Agyekum, Ussif Rashid Sumaila (2009). When trash fish is treasure: The case of Ghana in West Africa Original Research Article *Fisheries Research*, Volume 96, Issues 2–3, pp. 167-172.

Agyekum, K.A., Wiafe, G., Houghton, B., Dolk, S., Drake, T., Vogel, A. (2009). Observations of thermal variations in the mixed layer depth of the equatorial Atlantic. *IEEE International Geoscience and Remote Sensing Proceedings*

#### REFEREES

Dr. George Wiafe  
 Department of Oceanography & Fisheries  
 University of Ghana  
 P. O. Box LG99  
 Legon, GHANA  
 Tel: +233-24-4657475  
 +233-21-513263  
 e-mail: wiafeg@ug.edu.gh

Dr. F K E Nunoo  
 Head of Department  
 Department of Oceanography & Fisheries  
 University of Ghana  
 P. O. Box LG99  
 Legon, GHANA  
 Tel: +233-20-8474852  
 e-mail: fkenunoo@ug.edu.gh

Mr. Dennis Aggrey-Ampiah  
 Administrative Analyst  
 UNDP  
 P O Box 1423  
 Accra-GHANA  
 Tel: +233-21-773890-6  
 +233-24-4329792  
 e-mail: dennis.aggreyampiah@undp.org