

## **Lawrence Folajimi Awosika (Nigeria)**

### **Occupational objectives**

A professional position of challenge where my knowledge in Oceanography, Marine Geology/Geophysics, Hydrography, Land Ocean Interactions, Coastal and Marine Management in general and project management can be fully utilized.

### **Personal information**

Date of birth: 27 July 1949

Place of birth: Ondo, Ondo State, Nigeria

### **Education**

Aquinas College Akure Ondo State Nigeria 1964-1968

West African School Certificate Grade 1.

Howard University Washington, D.C., United States of America 1974-1977

B.Sc. Geology G.P.A., 3.36 Cum Laude

George Washington University Washington, D.C., USA 1978-1980

M.Sc. Geology 1980

Emphasis: Geophysics, Sedimentology, Stratigraphy, Field Geology and Geochemistry  
Research: Seismic and Gravity Survey of Triassic Sediments in Arcola Quadrangle, Virginia, USA

Thesis: "Magnetic Survey of Basalt Flows in Remington Quadrangle, Virginia, USA

University of Obafemi Awolowo Ile Ife.

PhD. Applied Geophysics 2005

Thesis: Geophysical Survey of Avon Canyon in the Western Nigeria Continental Shelf.

Emphasis: Seismic interpretation and continental shelf transport/circulation dynamics and coastal area implications

### **Post-graduate training**

Diploma, Marine Geophysics

Spanish Institute for Oceanography, Fuengirola, Malaga, Spain, June to Oct 1985

Course on Ocean Waves and Tides

International Center for Theoretical Physics

Trieste, Italy. Sept. 26-Oct. 28, 1988

Seventh Sea Level Training Course

Proudman Oceanographic Laboratory, Merseyside Bidston United Kingdom

12-30 June 1989. Course organized by the Intergovernmental Oceanographic Commission (IOC) of UNESCO for Global Sea Level Observing System (GLOSS)

Five-month work study at Dept of Oceanography, University of Southampton, United Kingdom, Oct. 1990 to March 1991 ("Sediment transport dynamics of the western Nigerian Continental Shelf")

Certificate of Achievement for successfully completing Mobil/Nigeria OIL MAP Training course May 1998

**Professional awards**

Best NIOMR Scientist 1999

Commander — Federal Republic of Equatorial Guinea. Merit award by the President of Equatorial Guinea for outstanding services during the Nigeria/ Equatorial Guinea Maritime Boundary Negotiations, 2002

Professional Merit Award of Excellence, 2004: Fisheries Society of Nigeria

Intergovernmental Panel on Climate Change (IPCC) Award presented for contributing to the award of the NOBEL PEACE PRIZE for 2007 to the IPCC

Emeritus member of the United Nations Joint Group of experts on the Scientific Aspects of Marine Protection (GESAMP), 10 May 2011

Intergovernmental Oceanographic Commission (IOC) of UNESCO Medal of Excellence in Oceanography. Awarded at the UNESCO Headquarters Paris on 22 June 2011

**Affiliations**

American Geophysical Union

Association of American Petroleum Geologist

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Lecturer — DOALOS Training on Article 76 Accra Ghana 5-9 December 2005

Lecturer — DOALOS Training on Article 76 Cape Town South Africa 13 to 17 August 2007.

Member: United Nations CLCS subcommission for the consideration of submission of Extended continental shelf claim made by Norway.

Member and Chairman: United Nations CLCS subcommission for the consideration of submission of Extended continental shelf claim made the United kingdom in the Ascension Area

Member: United Nations CLCS subcommission for the consideration of submission of Extended continental shelf claim made

Member IOC Editorial Board for the International Bathymetric Map of the Central Eastern Atlantic (IBCEA) 1989-present.

Vice Chairman United Nations Group of Experts on the Scientific Aspects of the Marine Environmental Protection (GESAMP)

Member United Nations Group of Experts on the Scientific Aspects of the Marine Environmental Protection (GESAMP) working group 30 on impacts of anthropogenically mobilized sediments in coastal areas (1992-present).

Member UNEP Task Team on Global Climate Change and impacts on the West and Central African Region (1990- 2004).

Intergovernmental Oceanographic Commission Committee of the East Central Atlantic (IOCEA) Regional Coordinator for Global Level of the Sea Surface (GLOSS) 1993-present.

Consultant to FAO on Integrated Coastal Area Management (ICAM) project for the Gambia — Project WACAF 11 for FAO/UNEP (1995-present).

Member of Scientific Steering Committee for Land Ocean Interaction in the Coastal Zone (LOICZ) of the International Geosphere Biosphere Programme (IGBP) 1996-2002.

Member IOC ad-hoc committee on DOSS II (1995-2000)

Member of Joint IOC/SCOR/SCOPE assessment of the State of Marine Science and its Contribution to Sustainable Development. 1995-1999.

Member — Lead author: African region special report on the Regional Impacts of Climate Change for the Intergovernmental Panel on Climate Change (IPCC) 1997.

IOCEA (Western African region) regional coordinator for IODE (International Oceanographic data exchange) of IOC (1997- present).

Member of Inter-Governmental Panel on Climate Change (IPCC) working group on the second assessment.

Member of advisory board on Marine Natural Resources Management of ACOPS (Advisory Committee on Protection of the Sea) 1997-2005.

Member of the UNEP group of experts on the development of a GEF project for a Global International Waters Assessment (GIWA) 1997.

Member Intergovernmental Oceanographic Commission (IOC) group of expert on GOOS (Global Ocean Observing System) Coastal Module.

Member United Nations Environment Program (UNEP) group of expert on the revitalization of Abidjan and Nairobi Conventions.

Participating Scientist — Synthesis and Upscaling of Sea level Rise Vulnerability Assessment Studies (SURVAS) Project funded by European Union. International Project Office — Middlesex University Enfield United Kingdom. 1999

Member of Working Group on the Development of Methodology for the implementation of the Global International Waters Assessment (GIWA). 2000-2003

Nigerian National Coordinator: Global Environmental Facility Medium Sized Sub Sahara African Project on Development and Protection of the Coastal and Marine Environment in Sub Sahara Africa. 2001 to 2003.



Ibe, A. C., Awosika, L. F., Antia, E. A., (1984a). Progress report No 2. Coastal erosion research programme. Work accomplished in 1983. *NIOMR* Special Pub. 106p.

Ibe, A. C., Awosika, L. F., (1986a). Sedimentology of beaches of barrier bar complexes in Nigeria. *NIOMR* Tech. Paper No. 28.



*Inter-African committee on Oceanography, sea and inland fisheries.* Cairo Egypt 12 to 17 April 1993.

Awosika L. F. (1993) The west African coastal zone: Regional approach to the process of Integrated coastal zone management policy. In proc. *World coast conference 1993*, Noordwijk The Netherlands.

Awosika L. F. (1993). Towards an Integrated coastal zone management policy for Nigeria in response to global climate change and sea level rise. In Proc. *IPCC world coast Preparatory conference on Integrated coastal zone management and response to climate change.* New Orleans, U.S.A 13-16 July 1993.

Awosika L. F. (1993). The Nigerian coast: Addressing the coastal Impacts of Climate Change through Integrated Coastal Zone Management (ICZM). In Proc. International conference on coastal zone management, World coast conference 1993, Noordwijk, The Netherlands.

Awosika, L. F., A. C. Ibe and C. E. Ibe (1993). Anthropogenic activities affecting sediment load balance along the West African coastline. *Coastlines of western Africa, Coastal zone 93.* Ed. Larry Awosika, Chidi Ibe and Peter Schroder. Pub. American Association of civil engineers N.Y., N. Y.

Ibe, A.C., Awosika, L.F. and Ibe, C. E. (1993) Factors responsible for varying granulometric characteristics of sediments from the western Nigeria coastline. *Coastlines of western Africa, Coastal zone 93.* Ed. Larry Awosika, Chidi Ibe and Peter Schroder. Pub. Ameri.38 700.38 TmN Pule edRdg 0.348TD[3tngiad4(r)1(-7(e-4(onfe)--6(eers 3( F)7)1(e fo

Awosika, L. F., Ibe, A.C., Oyewo A. and Ibe, C.E.(1994). Navigational and surveying techniques employed during the first IOCEA cruise in the Gulf of Guinea. In proc. *International symposium on the results of the first IOCEA cruise in the Gulf of Guinea*, 17-20 May 1994. Pub Centre for Environment and Development in Africa. p 14-18.

Awosika, L. F. and Ibe, A. C (1994). Geomorphologic features of the Gulf of Guinea shelf and littoral drift dynamics. In Proc. *International symposium on the results of the first IOCEA cruise in the Gulf of Guinea*, 17-20 May 1994. Pub Centre for Environment and Development in Africa. p.21-27.

Awosika, L. F., Collins, M. and Clay, A. T. (1994). Clay mineralogy variations in the Gulf of Guinea and implications for sediment transport dynamics. In Proc. *International symposium on the results of the first IOCEA cruise in the Gulf of Guinea*, 17-20 May 1994. Pub Centre for Environment and Development in Africa. p.99-103

Folorunsho, R., Awosika, L. F. and Dublin-Green, C. O (1994). An assessment of river inputs into the Gulf of Guinea shelf. In Proc. *International symposium on the results of the first IOCEA cruise in the Gulf of Guinea*, 17-20 May 1994. p.163-172.

Awosika L. F., Folorunsho, R., Isebor, C., Adegbe A, and Dublin-Green, C. O (1995). 1994 International Beach Cleanup Exercise at the Bar Beach Lagos Nigeria. *NIOMR Tech Pub. No. 98*. 14p

Awosika L. F., Folorunsho, R., and A. T Adegbe (1995). Regional and International Efforts at understanding Land Ocean- Atmosphere Interaction in the Gulf of Guinea Shelf of the Eastern Tropical Atlantic. In Proceedings *In the Tropical Ocean Global Atmosphere (TOGA) Programme*. p 205-209.

Awosika, L. F. (1995) Coastal changes in West Africa. In Proc. Conference on coastal change *BORDOMER* Report No. 105 supplement. p. 378-384.

Folorunsho, R., Awosika, L. F. (1995). Meteorologically induced changes along the Nigerian coastal zone and implications for integrated coastal zone management. In Proc. Conference on coastal change *BORDOMER*

- Folorunsho, R., and Awosika, L. (1997) Mapping inundation effects due to sea level rise along the Nigerian coastal zone using GIS. In Proc. *LOICZ 3rd Open Science Meeting*. The Netherlands 10-13 Oct 1997.
- Awosika L.F. (1997). Forging New Direction for Flooding and Erosion Control along the West African Coastal Zone. In Proc *Coastal Zone 97*. Boston USA. p.863-864
- Awosika, L. F. and Folorunsho, R. (1997). Land Ocean interaction in the Escravos Estuary. In Proc. *LOICZ 3rd Open Science Meeting*. The Netherlands 10-13 Oct. 1997.
- Awosika, L. F. and Ibe, A. C., (1998). Coastal circulation dynamics in the Gulf of Guinea: Important subsets of the Large marine Ecosystem Project. In: Ibe and Zabi (eds), State of the Coastal and marine Environment of the Gulf of Guinea. UNIDO/GEF GOG-LME Project, pp 111-118.
- Awosika L. F. (1998). Niger Delta Coastal Dynamics and Implications for Predicting Delta Stability. In Proc *World Delta Symposium* New Orleans, Louisiana, USA Aug 23-28, 1998.
- Maria Snoussi and Larry Awosika (1998). Marine Capacity building in North and West Africa. *Marine Policy* Vol. 22, No. 3 Pub. By Elsevier Science Ltd Great Britain. p.209-215.
- Awosika, L. F., and Magnus Ngoile (1998). State of the Coastal and Marine Environment of sub-Saharan Africa. (Background pub London October 1998). In pro. *Advisory Committee on the Protection of the Sea (ACOPS) and UNEP Conference on the Cooperation and Protection of the Marine and Environment of the sub-Saharan Africa, Cape Town*. October 1998.
- Oyewo, E. O., Ajayi, T.O., Dublin-Green, C. O., Ajao, E., Awosika, L. F. (1998) Anthropogenic Activities and their impact on aquatic resources in the Nigerian coastal zone. In Impact of pollution on Aquatic living resources in Africa. In Pro: *5th session of the Inter-African Committee on Oceanography, Sea and Inland Fisheries* p.79-102
- Awosika, L.F., and Ibe, A.C., (1998), "Gulf of Guinea Coastal Zone and Strategies for Integrated Coastal Management Plan," A.C. Ibe and S.G. Zabi, eds., State of the Coastal and Marine Environment of the Gulf of Guinea, UNIDO/IOC, CEDA Press, Cotonou, pp. 119-127.
- Awosika, L.F. and Folorunsho Regina (1999) Coastal erosion and flooding induced by air-ocean interactions along the Nigerian coast: Implications for Integrated Coastal Zone Management. In Proc. *National Climate Conference Lagos* Nov 29-Dec 1, 1999
- Awosika, L. F. and Marone Edwardo (2000) Scientific needs to assess the health of the ocean in coastal areas. A perspective of developing countries. Pub Elsevier. *Ocean and Coastal Management* 43 (2000) p781-791.
- Awosika, L. F. (2000) Marine Data and Information Exchange in West Africa: An

Awosika L. F. Dublin-Green C.O., Folorunsho R., et al (2000). Study of main drainage channels of Victoria and Ikoyi Islands in Lagos Nigeria and their response to tidal and sea level changes. *A report for the Coast and Small Island (CSI) Division UNESCO Paris*. 108pgs.

Awosika, L. F., Osuntogun, N.C., Oyewo, E. O., Awobamise, A, (2001) Development and Protection of the Coastal and Marine Environment in Sub Sahara Africa: *Report of the Nigeria Integrated Problem Analysis*. 142pg.

Awosika, L. F. (2001). Cooperation between intergovernmental oceanographic commission (IOC) and institutions established by UNCLOS with particular emphasis on the commission on the limits of the continental shelf (CLCS). Paper presented at the *ABELOS first meeting of the advisory body of experts on the law of the sea (ABE-LOS)* (Paris, 11-13 June 2001). IOC/ABE-LOS-13 ADD 1 (<http://ioc.unesco.org/oceansciences/unclos/ABE-LOS%20I%20-engl/ABE-LOSI-13%20add%201.doc>)

Awosika, L.F., (2002). The sub-Saharan African coastal zone: assessment of human induced and natural changes. In R.S. Arthurton, H.H. Kremer, E. Odada, W. Salomons and J.I. Marshall Crossland, African Basins: LOICZ Global Change Assessment and Synthesis of River Catchments — Coastal Sea Interaction and Human Dimensions. LOICZ Reports and Studies 25 p.81-96

Awosika, L. F., Osuntogun N., Oyewo, E. and Awobamise, A. (2002). Nigeria National Report Phase 1: Integrated problem analysis. Development and protection of the coastal and marine environment in Sub-Saharan Africa. GEF MSP Sub-Saharan Africa Project (GF/6010-0016)

Awosika, L. F., and Lombardi, D (2003). Establishing the infrastructure for Article 76 and beyond: a holistic approach. Paper presented at the *CARIS International Conference, Norfolk, United States 2003*. 14p

Awosika, L. F. (2003). Use of data centers for management of the coastal zones at national level in Nigeria. Paper presented at the *ODINAFRICA Final Symposium Brussels Sept 2003*.

Awosika, L. F. (2004) Capacity building needs and barriers to implementation: implications for the protection and sustainable use of oceans and coasts in





Awosika et al 1995. Hydrographic and beach survey of the Victoria beach Lagos

Awosika L. F., Doblin-Green C. O., Folorunsho, R. Adegbe S., Abdulkarim R and Omokhomion K. (2007). Lagos Master plan flood risk/protection. Phase 1 Report for Shell Nigeria Exploration and Production Company (SNEPCO). Pg 52.

Awosika, L. F. (2009). LIBERIA LDCF/GEF/UNDP COASTAL PROJECT. Enhancing Resilience of vulnerable coastal areas to climate change risks in Liberia” — Preparatory (PPG) phase. Mission report 2009.

Tanzania Extended continental shelf project. Provided advise to the Tanzania during the preparation of the its submission for continental shelf beyond 200M. 2010 to 2012

### **Books edited/authored or co-authored**

Principal — co author: Global Climate Change and the Rising Challenge of the Sea. Intergovernmental Panel on Climate Change Response Strategies Working Group May 1992.

Editor — Coastlines of Western Africa (Ed. Larry Awosika, Chidi Ibe and P. Schroeder). Published by the American Association of Civil Engineers New York, New York. 1993. 399p.

Co-author — Implications of Climatic Changes and Sea Level Rise on the Niger Delta, Nigeria. A report for UNEP.

Co-author — Global Climate Change and the Rising Challenges of the Sea. Report of the Coastal Zone Management Subgroup. Intergovernmental Panel on Climate Change Response Strategies Working Group May 1992.

Co-Author — Management Arrangements for the Development and Implementation of Coastal Zone Management Programmes. International Conference on Coastal Zone Management World Coast. The Netherlands 1-5 November 1993.

Near shore Dynamics and Sedimentology of the Gulf of Guinea. Ed. A. Chidi Ibe, Larry Awosika and Kouame Aka 1998. 211p. Proceedings of the First Symposium on the IOCEA cruise in the Gulf of Guinea 1995.

Tortel and Awosika L. F — Oceanographic Survey Techniques and Living Resources Assessment Methods. Intergovernmental Oceanographic Commission Manuals and Guides No. 32. 1996.34p.

A Sea of Troubles (2001).

IMO/FAO/UNESCO/WMO/WHO/IAEA/UN/UNEP (GESAMP) Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection. GESAMP Reports and Studies No 70. Printed by RID-Arendal for the United Nations Environment Programme. 35p.

Protecting the Oceans from Land based activities (2001).

IMO/FAO/UNESCO/WMO/WHO/IAEA/UN/UNEP (GESAMP) Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection. GESAMP Reports and Studies No 71. Printed by RID-Arendal for the United Nations Environment Programme. 162p.

**International meetings organized**

I have been responsible for successfully organizing the following International meetings and workshops:

IOC Regional Committee for the Central Eastern Atlantic second session. Hosted by the Nigerian Institute for Oceanography and Marine Research Lagos from 19-23 February 1990.

IOC International Workshop on the results of the first IOCEA cruise in the Gulf of Guinea. Hosted by the Nigerian Institute for Oceanography and Marine Research Lagos from 17-20 May 1994.

IOC/NIOMR Pilot training course on Physical Oceanography Hosted by the Nigerian Institute for Oceanography and Marine Research Lagos from 17-27 October 1994. Also was a resource person.

Chairman LOC for the IOC/JGOFS/LOICZ International workshop on continental shelf fluxes of Carbon, Nitrogen and Phosphorous. Hosted by the Nigerian Institute for Oceanography and Marine Research Lagos from 14-18 October 1996.

Coordinator and organizer of the International beach cleanup exercise in Nigeria in 1994, 1995 and 1996. This activity is globally coordinated by the Center for Marine Conservation in the United States of America.

Convener — African session on coastal erosion and flooding at the 1997 Coastal Zone conference in Boston July 1997.

International Coordinator — START/IOC/LOICZ Workshop on Climate Change and Coastal processes in West Africa, Cotonou 23-25 Nov 1998.

Conveyer and organizer — African session on Developmental conflicts along the African Coast. Coastal Zone 1999 Conference July 23-29, 1999 San Diego USA.

**Special proficiency**

Versatility in use of micro-computers for word processing, Electronic mail communication, analysis and evaluation of oceanographic data and information (e.g. Ocean-PC, GIS etc.)

Versatility in Automobile repairs and elementary electronics.

Vessel navigation using trisponder, syledis, satellite sat nav, GPS, Radar and other conventional methods.

Experienced in deployment of buoys, current meters, wave riders, tide gauges and other oceanographic equipment.

Have travelled far and wide in Africa as well other parts of the world.

**Languages**

English — Very proficient

French — slight

Spanish — slight