

CURRICULUM VITAE

Akiwumi, Fenda A.

Research Interests Resource policy and management with a focus on water; political ecology of resource exploitation in Africa; culture, gender and water use; environmental and social justice in resource exploitation related to indigenous peoples, race, and ethnicity; linkages between environmental history and sustainable development.

EDUCATION/TRAINING

Institution and Location	Degree	Years	Field of Study
Texas State University-San Marcos	Ph.D.	2003-2006	Environmental Geography
University of London	M.Sc.	1987-88	Hydrogeology
University of Manchester	B.Sc. (Hons)	1974-77	Geology

Additional Post-graduate Education

October 9-28, 1988

International Training Services (ITS) Management Training Course for Scientists and Engineers, Chester, UK

August 25-September 26, 1985

10th Post-Graduate Training Course in Groundwater Tracing Techniques, Graz, Austria, (Austrian Government and UNESCO)

May 19- June 5, 1980

Fifth International Training Course on Remote Sensing for Water Resources, FAO Headquarters, Rome, Italy

A. Positions and Honors.

Positions and Employment

2006-Present – Assistant Professor, Department of Geography, University of South Florida

2003-2004 - Graduate Instructional Assistant, Environmental Geography, Department of Geography, Texas State University-San Marcos

1992-2006 - Geology and Geography Instructor, Hill College, Hillsboro, Texas

1978-1992 - Hydrogeologist and Head, Water Resources Section, Land Resources Survey Project (LRSP) of the Food and Agricultural Organization/United Nations Development Programme (SIL73/002/UNDP/FAO)/ Land and Water Development Division

(LWDD)/Ministry of Agriculture, Natural Resources and Forestry (MANRF), Freetown, Sierra Leone, West Africa

1983-1985 - Adjunct Lecturer, Hydrogeology, Fourah Bay College, University of Sierra Leone

1977-1978 - High School Teacher, Freetown Secondary School for Girls, Freetown, Sierra Leone

1987-1992

Co-Director, Environmental Consultant, Environmental and Scientific Consulting Group (ESCG), Freetown, Sierra Leone

Professional Memberships

Association of American Geographers (**AAG**) (Specialty Groups: Africa, Water Resources, Indigenous People, Ethnic Geography)

National Women's Studies Association (**NWSA**)

International Water History Association (**IWHA**)

International Association of Hydrological Sciences (**IAHS**)

Society for Applied Anthropology (**SfAA**)

Honors

2006 - CAS International Travel Award, USA

2006 - Recipient of Brooks Cole Award for Outstanding Doctoral Student

1998 - Recipient of the National Institute for Staff and Organizational Development's (NISOD) Excellence in Teaching Award for Community College Faculty

Other

2007 - Member, UNESCO Expert Advisory Group on 'Water and Cultural Diversity.'

B. Peer-reviewed publications

Akiwumi, Fenda A. and David R. Butler. 2007. Mining and environmental change in Sierra Leone, West Africa: A remote sensing and hydrogeomorphological study. *Environmental Monitoring and Assessment*. DOI 10.1007/s10661-007-9930-9.

Akiwumi, Fenda A. 2006. Conflict timber, conflict diamonds: The political ecology of 19th and 20th century resource exploitation in Sierra Leone. In *Africa's Development in the Twenty-First Century: Pertinent Socio-economic and Development Issues*, eds. Kwadwo Konadu-Agyemang and Kwamina Panford, pp 109-126. VT: Ashgate.

Akiwumi, Fenda A. 2006. Limitations to "indigenous people participation": Conflict in water use in an African mining economy. In *The World of Water* Vol. 3, IWHA Book Series, pp 49-77. U.K: I.B. Taurus.

Akiwumi, Fenda A. 2005. Indigenous people, women and water: The importance of local knowledge in water project planning in an African context. In *The business of water and sustainable development*, eds. Jonathan Chenoweth and Juliet Bird, pp 188-197, U.K.: Greenleaf Publishing. Reprint.

Akiwumi, Fenda A. 2003. Indigenous people, women and water: The importance of local knowledge in water project planning in an African context. *Greener Management International*, no. 42, pp 67-75.

Akiwumi, Fenda A. 1998. Effects of a dredge mining operation on the hydrogeological regime in a humid tropical environment. *IAHS Publication*, no. 253, pp 3-14.

Akiwumi, Fenda A. 1997. The need for more widespread use of geological criteria in water quality assessment in Africa. *IAHS Publication*, no. 243.

Akiwumi, Fenda A. 1997. Conjunctive water use in an African river basin: A case study in poor planning. *IAHS Publication*, no. 240.

C. Professional/Conference Presentations

2007

Akiwumi, Fenda A. and Foday M. Jaward. World-systems processes and mine waste generation in Sierra Leone, Africa. Conference on 'Dangerous trade: Histories of industrial hazards across a globalizing world', Stony Brook University, NY December 13-15.

Akiwumi, Fenda A. Destined to be dammed; Hydropower policy and exploitation in Africa. The 30th Annual Applied Geography Conference, Indianapolis, IN, October 17-20.

Akiwumi, Fenda A. and Lawrence E. Estaville. Somalis in Maine. The 30th Annual Applied Geography Conference, Indianapolis, IN, October 17-20.

Akiwumi, Fenda A. Afro-European trader-kings, Creole entrepreneurs and Mende warriors: Local agency and environmental deterioration in Sierra Leone's nineteenth century timber trade. Fourth European Society of Environmental History (ESEH) Conference, Amsterdam, The Netherlands, June 5-9.

Akiwumi, Fenda A. Female Marginalization and the World-system: Adaptation and Survival in an African Mining Environment Society for Applied Anthropology (SfAA) Annual Meeting, Tampa, FL March 28-31.

2005

Akiwumi, Fenda A. Challenges to Africa's water development: The paradox of "indigenous community participation. Abstracts of the Association of American Geographers 101st Annual Meeting, Denver, CO April 5-9.

2004

Akiwumi, Fenda A. Water is mystical space: Indigenous perspective and project planning in Sierra Leone, West Africa. Abstracts of the Applied Geography Conference, St. Louis, MO, October 20-24.

2003

Akiwumi, Fenda A. Conflict timber: The political ecology of 19th century resource exploitation in Sierra Leone. International Conference on the Forest and Environmental History of the British Empire and Commonwealth, University of Sussex, UK, March 19-21.

2001

Akiwumi, Fenda A. Apparent limitations to "indigenous people participation": Conflict in water use in an African mining economy. Abstracts of the 2nd International Water History Association Conference on the "Role of Water in History and Development," Bergen, Norway, August 10-12.

1998

Akiwumi, Fenda A. Water use in an African setting: History, culture and perception as a barrier to sustainability. Abstracts of the IAHS International Workshop on Barriers to Sustainable Management of Water Quantity and Quality, Wuhan, China, May 11-15.

1996

Akiwumi, Fenda A. Effects of a dredge mining operation on the hydrogeological regime in a humid tropical environment. IAHS International Symposium on "Hydrology in the Humid Tropic Environment," Kingston, Jamaica, November 17-22.

1994

Akiwumi, Fenda A. Reducing costs of monitoring networks in developing countries by collation and analysis of pre-existing hydrogeological data. International Association of Hydrological Sciences (IAHS) Conference on 'Future Groundwater Resources at Risk', Helsinki, Finland, June 11-16.

Akiwumi, Fenda A. Some humanistic perspectives on sustainable water resources development in an African nation. International UNESCO Symposium on Water Resources Planning in a Changing World, Karlsruhe, Germany, June 28-30.

1987

Akiwumi, Fenda A. Groundwater exploration and development in the crystalline basement rocks of Sierra Leone. Commonwealth Science Council (CSC) Workshop on 'Groundwater exploration and development in the regions underlain by crystalline basement aquifers,' Harare, Zimbabwe, June 10-17.

1983

Akiwumi, F. Some environmental considerations in improved water management for agriculture. Proceedings of the Seminar on "The role of extension in environmental management and agriculture." Freetown, Sierra Leone: FAO/UNDP, USAID, MANRF, May.

1982

Akiwumi, F. Water resources development in Sierra Leone: A summary of proposals and developments in the field of water resources planning. Proceedings of the seminar on "Land Use planning for rural development with special attention to environmental management", Freetown, Sierra Leone: FAO/UNDP, USAID, MANRF, November.

Published Papers from Professional Presentations

1994

Akiwumi, Fenda A. Reducing costs of monitoring networks in developing countries by collation and analysis of pre-existing hydrogeological data. *IAHS Publication*, no. 222.

Akiwumi, Fenda A. Some humanistic perspectives on sustainable water resources development in an African nation. Proceedings International UNESCO Symposium on Water Resources Planning in a Changing World, Karlsruhe, Germany, June 28-30.

1987

Akiwumi, Fenda A. Groundwater exploration and development in the crystalline basement rocks of Sierra Leone. In: *Groundwater exploration and development in crystalline basement aquifers*. (CSC (89) WMR-13 TP273) vol. II, sessions 6 to 15.

Akiwumi, F., S. C. Jayakaran, and S. Owusu. Rural water supply development in Sierra Leone. Proceedings 13th Water, Environment and Development Conference (WEDC), Lilongwe, Malawi, April 13-19.

Published Abstracts from Professional Presentations

2007

Akiwumi, Fenda A. Destined to be dammed: Hydropower exploitation in Africa. Abstracts of the Applied Geography Conference, Indianapolis, IN, October 17-20.

Akiwumi, Fenda A. and Lawrence E. Estaville. Somalis in Maine. Abstracts of the Applied Geography Conference, Indianapolis, IN, October 17-20.

2005

Akiwumi, Fenda A. Dammed if they do, Dammed if they don't: African hydropower policy and indigenous populations. Abstracts of the Applied Geography Conference, Washington DC, November 2-5.

Akiwumi, Fenda A. Challenges to Africa's water development: The paradox of "indigenous community participation. Abstracts of the Association of American Geographers 101st Annual Meeting, Denver, CO April 5-9.

2004

Akiwumi, Fenda A. Water is mystical space: Indigenous perspective and project planning in Sierra Leone, West Africa. Abstracts of the Applied Geography Conference, St. Louis, MO, October 20-24.

2003

Akiwumi, Fenda A. Roots of conflict: water, worldview and sustainability in a West African environment. UCOWR, NIWR, EWRI 2003 Joint Conference: Water Security in the 21st Century, Washington, DC July 30-August 1.

Akiwumi, Fenda A. Conflict parallels in 19th and 20th century Sierra Leone: Timber, diamonds, death and the nation-state. Abstracts of the Association of American Geographers 99th Annual Meeting, New Orleans, LA, March 4-8.

2001

Akiwumi, Fenda A. Apparent limitations to "indigenous people participation": Conflict in water use in an African mining economy. Abstracts of the 2nd International Water History Association Conference on the "Role of Water in History and Development," Bergen, Norway, August 10-12.

1998

Akiwumi, Fenda A. Water use in an African setting: History, culture and perception as a barrier to sustainability. Abstracts of the IAHS International Workshop on Barriers to Sustainable Management of Water Quantity and Quality, Wuhan, China, May 11-15.

D. Technical Reports

Jayakaran, S., and F. Akiwumi. 1986. A study of saltwater intrusion carried out in Port Loko, Kambia District for Rural Water Supply Project Port Loko-Kambia districts. Freetown, Sierra Leone: LWDD/MANRF.

Jayakaran, S., and F. Akiwumi. 1985. Report on surface geo-electric prospecting for ground water carried out in Sierra Leone. Freetown, Sierra Leone: LWDD/MANRF.

Blyden, F., and D. C. Schwaar. 1980. The lineaments of the basement complex of Sierra Leone: A reconnaissance survey and appraisal for ground water. *Technical Document 39*. SIL/73/002 LRSP, FAO/UNDP/MANRF.

Blyden, F., C. Palmer, and A. Williams. 1979. Investigations to determine the extent of internal waters in Sierra Leone. Freetown, Sierra Leone: LRSP, FAO/UNDP/MANRF.

E. Consultancy Reports

Lamin A. S, Akiwumi F. A. et al. 1991. Water balance of the Sierra Rutile mining area: Water year May 1990 - April 1991. Report to Sierra Rutile Ltd., Freetown, Sierra Leone: ESCG.

Akiwumi F. A., Lamin, A.S. et al. 1991. The effects of the Lanti move water reticulation on downstream areas. Report to Sierra Rutile Ltd., Freetown, Sierra Leone: ESCG.

_____. 1991. A preliminary assessment of potential seepage losses beneath the Lanti ponds. Report to Sierra Rutile Ltd., Freetown, Sierra Leone: ESCG.

_____. 1990. Water balance of the Sierra Rutile mining area: A preliminary study. Report to Sierra Rutile Ltd., Freetown, Sierra Leone: ESCG.

_____. 1990. Water management and environmental impact assessment of the Sierra Rutile mining operations. Report to Sierra Rutile Ltd., Freetown, Sierra Leone: ESCG.

Akiwumi, F. 1987. The appraisal of water supply potential at the new locations for Pejebu, Vaama and Mondoko. Report to Sierra Rutile, Ltd. Freetown, Sierra Leone.

F. Professional Activities

2007

Faculty participant, USF Study abroad program to Ghana, May 16-30.

Reviewer: African Geographical Review and Southeastern Geographer.

Member, UNESCO expert panel on 'Water and Cultural Diversity'

2006

Reviewer: African Geographical Review, Southeastern Geographer.

Presenter: USF Eric Symposium lecture series

2004

Participating faculty in summer institute hosted by The Gilbert M. Grosvenor Center for Geographic Education, Department of Geography, Texas State University-San Marcos to motivate and encourage African-American and Hispanic youths to seek higher education. Volunteer – helped to organize Geography Department Alumni Reunion Celebration at Texas State University, April 2004.

1995-2000

Contributer: International Journal on Hydropower and Dams. Provided hydrological information on Sierra Leone for World Atlas of Hydropower and Dams.

1998

Guest lecturer: Dr Toyin Falola's Fall 1998 Guest Speaker Series, Center for African and African American Studies, University of Texas at Austin. Topic: "The politics and culture of water in West Africa."

Session co-chairperson: International Workshop on Barriers to Sustainable Management of Water Quantity and Quality, Wuhan, China. Co-chaired session on "Problems in arid and semi-arid areas."

1997

Reviewer: United States Institute of Peace (USIP) - selected to review applications of candidates for participation at the June 1997, USIP Community College Faculty Seminar.

1996

Participant: United States Institute of Peace (USIP) Community College Faculty Seminar on 'Approaches to Peace in a Changing World', Washington D.C., USA June 8-15.

1995

Consultant: Jemison Institute for the Advancement of Technology to Developing Countries at Dartmouth College - reviewed and edited project proposal.

1992

Co-founder: "Voyage to Africa." Present educational summer programs for children at community and youth centers; lectures and presentations on African culture at schools, churches, service and social organizations.

1986

Participant, UNESCO West African Sub-regional Workshop on 'Groundwater in Rural Water Supply', Accra, Ghana, October 20-24.

1984

Participant, FAO Workshop on "Small Scale Swamp Development," Freetown, Sierra Leone, November 26-30.