**Curriculum Vitae**

Of

**Dr. Edmund Merem**

Full Professor

Founding BA Program Coordinator 2004-2005

MA Program Coordinator 2005-2006

PhD Program Coordinator 2006-2012 and Present

Coordinator Graduate Admission 2016-March 2017

Member Vanier Canada Higher Education Scholarship Board 2017-2019

**Personal Data:**

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Jackson State University

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Country of Citizenship:United States of America

Canada

**Education:**

  2003 Philosophy of Doctor

Jackson State University

 Jackson, MS

Urban & Regional Planning

Major: Environment and Landuse

1995-2002 PhD. Student & ABD

University of Ottawa

Ottawa, ONT

Environmental Geography

Major: Environmental Planning

1995 M.E.S.

York University

North York, ONT

Environmental Studies/City Planning

Major:  Environmental Planning

 1992          B.A.

York University

North York, ONT

Social Sciences: Communications

             M.A.

       1983                            Pontifical Lateran University

Vatican, Vatican City/ Rome

 Family Studies

1986                        University of   Health  Sciences,

                                         St. Johns Antigua

College of Medicine

**Courses Taught\*/Scheduled To Teach:**

 Environmental Impact Assessment

 Natural Resources Management\*

 URP 539; 739 (Spring 2004 and Spring 2007)

Global Cities and Planning

Environmental Management

Ecology in Third World Development

Development Studies and Sustainability

Rural Planning and Development\*

 URP 533 (Fall 2003, Summer 2007and Summer 2009)

Environmental Policy

Landscape Ecology

Ecological Economics and Corporate Environmental Accounting

Environmental Ethics\*

 URP 732 (Spring 2004 and Spring 2007)

Introduction to Environmental Planning Ethics\*

 URP 532 (Spring 2004 and Spring 2007)

Introduction to Environmental Planning\*

 URP 530 (Spring 2006, Fall 2004, Fall 2007, Fall 2009 and Fall 2010)

Environment and Land Use\*

 URP 730 (Spring 2006 and Fall 2007)

Landuse Studio\*

 URP 735 (Spring 2004, Fall 2009, Fall 2011 and Fall 2012)

Comprehensive Planning\*

 URP 535 (Spring 2004, Fall 2009, Fall 2011 and Fall 2012)

International Human Settlement\*

 URP 736(Spring 2005, Fall 2008, Fall 2009, Fall 2010, Fall 2011 and Fall 2012)

Environmental planning of Developing Nations\*

URP 536(Spring 2005, Fall 2008 through Fall 2012)

Planning Practices In Other Countries\*

UA 228 (Fall 2005)

Ethics In Planning\*

 URP 714 (Fall 2005 through Fall 2012)

Introduction toEnvironmental Planning/ Studies\*

 UA 400 (Fall 2004 and Fall 2006)

Directed Study Urban Affairs

 UA 493 (Spring 2008 and Spring 2009)

IndependentStudy\*

 URP 555 (Fall 2006 and Fall 2007, Summer 2006 through 2012)

PhD Dissertation Hours\*

 URP 899 (Fall 2006 through Fall 2012)

Doctoral Research Hours\*

 URP 777 (Spring 2007-2009; Spring 2011-2012; Fall 2010; and Fall 2012)

Plan Implementation/Urban Imp Strategies\*

 URP537/737 (Summer 2010 through 2012)

Growth Management

 URP 531\* (Spring 2010 through 2012)

Historical Development of Cities

 URP 700\* (Fall 2010 through 2012)

**Courses Taught As Teaching Assistant**

Introduction to Sociology

Global Economic Systems

Applications of Geographic Techniques to Environmental Issues

**PhD. Dissertation:**

Merem, E. C. “Regional Environmental Accounting for Agricultural Land Use                         Change in Ottawa South Central from 1981-1996"

**Research Interests:**

 Energy, Oil and Natural Gas Accounting

 Environmental Planning and Farmland Protection

 Environmental Justice/Ethics

 Ecosystem Valuation, Plan Implementation

 Environmental Accounting

 Landscape Ecology and Ecological Footprints

 Deep Ecology, Hydrology and Watershed Management

 Sustainability, Land Use Analysis, Land Use Policy

 Climate Change, Land Use Change

 GIS Applications in Natural Resources Management

 Image Analysis and Remote Sensing

 Hydropolitics of the Middle East and Africa

 Environment and Security

**Published Papers/ Peer Reviewed Abstracts and Proceedings**:

***Peer Reviewed Journal Articles***

Merem, E. C. (2024 January). Analyzing Water Resource Challenges in the US Eastern Zone. Marine Science. 1:1

Merem, E. C. (2024 January). Exploring Shifts in Yam Production Trends In Nigeria’s Southern Region. International Journal of Food Science and Nutrition Engineering. 14:1

Merem, E. C. (2024 January). Analyzing The Capacities of Cotton Production In Sudan.   International Journal of Agriculture and Forestry. 14:1

Merem, E. C. (2024 January). Investigating The Ecological Effects of Agricultural Assistance Schemes In California's Central Valley Area. Food and Public Health. 14:1.

Merem, E. C. (2024 January). The Effects of Changing Climate In The US Western Region.  International Journal of Ecosystem.13:1

Merem, E. C. (January 2024). The Analysis of Extreme Climate Threats In Maryland’s Lower Region. World Environment. 14:1

Merem, E. C. (2024 January). Assessing The consequences of Climate Change Dangers in the South Florida Region. Resources and Environment. 14:1

Merem, E. C. (2024 January). Evaluating Climate Change Hazards Within the Midwest Zone.

 American Journal of Environmental Engineering. 14:1

Merem, E.C.  (2022 December). Bioenergy Crops as a Promising Alternative to Fossil Fuels in Louisiana: A Geographic Information System (GIS) Perspective. *Journal of Sustainable Bioenergy* *Systems*. 12:4: 57-81

Merem, E.C.  (2022 December). An Assessment of the Potential Use of Forest Residues for the Production of Bio-Oils in the Urban-Rural Interface of Louisiana. *Open Journal of Forestry*.12:479-502

Merem, E.C.  (2022 December). Analysis of Precipitation Trends and Prediction in Selected Cities in Southeast Louisiana. *Atmospheric and Climate Sciences*. 12:4:698-727

 *Information*

Merem, E.C.  (2022 December). Fusion of Landsat 8 OLI and PlanetScope Images for Urban Forest Management in Baton Rouge. *Louisiana. Journal of Geographic System*. 14 5:444-461

Merem, E.C.  (2022 December ). Flood Mapping in Mozambique Using Copernicus Sentinel-2 Satellite Data. *Advances in Remote Sensing*. 11:3:80-105

Merem, E.C.  (2022). Gauging Cassava Land Use Trends in Nigeria’s Lower South Region. *International Journal of Food Science and Nutrition Engineering.*12:1: 1-19

Merem, E.C. (2022). The Evaluation of Wind Energy Potentials in South Africa. *Energy and* *Power*. 2022, 12:1: 9-25

Merem, E.C.  (2022). Assessing Issues in Water Resources Use within Countries in West Africa. *International Journal of Ecosystem*. 12:1: 1-19

Merem, E.C. (2022). Analyzing Water Resources Management Issues Along the US Midwest Region. *Resources and Environment*. 12:2: 25-46.

Merem, E.C. (2022). Assessing the Environmental Impacts of Farm Subsidy in North Texas Region. *International Journal of Agriculture and Forestry.* 2022, 12:1: 9-28

Merem, E.C.  (2022). Examining the Effects of COVID-19 Pandemic on Africa’s Natural Resources Sector. *Public Health Research.* 12:2: 31-50

Merem, E.C.  (2022). The Analysis of Dairy Production and Milk Use in Africa Using GIS. *Food and Public Health.* 12:1: 14-28

Merem, E.C. (2021). Time Series Analysis on Selected Rainfall Stations Data in Louisiana Using ARIMA Approach. *Open Journal of Statistics*. 11:5:655-672.

  Merem, E. C. (2021). Land Resource Areas and Spatial Analysis of Potential Location of Bioenergy Crops Production in Mississippi. *Journal of Sustainable Bioenergy System*s,11: 4:187-214.

  Merem, E.C. Merem. (2021). Estimation of Land Surface Temperature from Landsat-8 OLI Thermal Infrared Satellite Data. A Comparative Analysis of Two Cities in Ghana. *Advances in Remote Sensing*, 10:4: 131-149.

  Merem, E. C. (2021). Assessing Hydraulic Fracking Issues in the US South East and Western Region, *Energy and Power*, 11 (1) 1-19.

       Merem, E. C. (2021). Assessing the Risks from Changing Climate in South Texas Region, *Resources and Environment*, 11 (1) 18-34.

      Merem, E. C. (2021). The Assessment of China’s Scramble for Natural Resources Extraction in Africa, *World Environment*, 11 (1). 9-25.

       Merem, E. C. (2021). Analyzing the Environmental Risks from Electronic Waste Dumping in the West African Region, *Journal of Health Science*, 11(1) 1-16.

      Merem, E.C. (2021). Analyzing the Use of Genetic Modified Organisms (GMOs) in Agriculture in the US Midwest Region, *Food and Public Health*, 11 (1) 1-17.

       Merem, E. C. (2021). The Regional Assessment of Groundnut Farmland Use in Northern Nigeria, *International Journal of Food Science and Nutrition Engineering*, 11 (1). 1-19.

Merem, E. C.  (2020).  *Evaluating Geothermal Energy Potentails In The US Western Region With GIS*. International Journal of Engineering.  10(2): 23-40

        Merem, E. C.  (2020). *Assessing Water Resource Issues Among States in the US South     East  Region*. Marine Science.  8(1): 1-23

        Merem, E. C.  (2020). *Analyzing Organic Food Farming Trends in The US Western Region.* Public Health Research.  10(2): 41-57

        Merem, E. C.  (2020).  *Issues In Transboundary Water Use In The River Nile Basin Area of Africa*. World Environment. 10(2): 27-44

        Merem, E. C.  (2020). *Exploring Cocoa Farm Landuse Trends in The West African Region.* International Journal of Agriculture and Forestry. 10(1): 19-39

        Merem, E. C.  (2020). *Appraising the Changing Trends In Oil Palm Farming in Nigeria’s Lower South Region*. International Journal of Ecosystem. 10(1): 1-22

Merem, E. C.  (2020). *Analysis of Precipitation and Temperature Variability Over Central Africa (1901-2015).* Atmospheric and Climate Sciences. 10:2: 220-239

  Merem, E. C. (2020 March). *Degradation of Urban Green Spaces in Lagos, Nigeria: Evidence from Satellite and Demographic Data*. Journal: Advances in Remote Sensing. 9:1: 33-52

Merem, E. C. (2020). *Use of GIS and Remote Sensing Technology as Decision Support Tool in Flood Disaster Management: The Case of Southeast Louisiana, U.S.A*.  Journal: Journal of Geographic Information System. Accepted For Publication

Merem, E. C. (2020 April).*Spatial Distribution of Toxic Sites in Louisiana, U.S.A.: The GIS Perspectives.* International Journal of Geosciences. 11:4:  288-303

Merem, E. C.  (2019). Analyzing the Tragedy of Illegal Fishing on the West African Coastal Region. *International Journal of Food Science and Nutrition Engineering,* 9(1): 1-15.

Merem, E. C.  (2019). Assessing Water Resource Issues in the US Pacific North West Region. *International Journal of Mining Engineering and Mineral Processing,* 8(1): 1-19.

Merem, E. C.  (2019). Analyzing Geothermal Energy Use in the East African Region: The Case of Kenya. *Energy and Power*, 9(1): 12-26.

Merem, E. C.  (2019). Assessing Issues in Wildland Habitat Management in the State of Mississippi. *Frontiers in Science*, 9(1): 5-19.

Merem, E. C.  (2019). Regional Assessment of Climate Change Hazards in Southern Nigeria with GIS. *Journal of Safety Engineering*, 8(1): 9-27

Merem, E. C.  (2019).  Regional Assessment of the Food Security Situation in West Africa with GIS.  *Food and Public Health*. 9(2): 60-77

Merem, E. C.  (2019). Analyzing Land Use and Change Detection in Eastern Nigeria Using GIS and Remote Sensing. *American Journal of Geographic Information System*.  8(2): 103-117.

Merem, E. C.  (2018). Assessing the Menace of Illegal Wildlife Trade In the Sub Saharan African Region. *Advances in Life Sciences,* 8(1), 1-23.

Merem, E. C.  (2018). Appraising Variations In Climate Change Parameters Along The Lower West African Region. *Journal of Safety Engineering,* 7(1), 1-19.

Merem, E. C.  (2018). Assessing The Effects of Fuel Based lighting: The Case of Kerosene Use and Disasters In Nigeria.  *Public Health Research*, 8(1), 1-17.

Merem, E. C.  (2018). Assessing Renewable Energy Use In Ghana: The Case of the Electricity Sector. *Energy and Power*, 8(1), 1-17.

Merem, E. C.  (2018). Analyzing Emerging Environmental Issues in Major Areas: The Case of Lagos in South West Nigeria. *Architecture Research*, 8(1), 1-19.

Merem, E. C.  (2018). Analyzing Changing Trends In Forest Land Areas of Mississippi. *International Journal of Agriculture and Forestry*, 8(1), 1-15.

Merem, E. C.  (2017). Techniques of Remote Sensing and GIS as Tools for Visualizing Impact of Climate Change-Induced Flood in the Southern African Region. *American Journal of Climate Change,* 6: 306-327

Merem, E. C.  (2017). Analyzing rice production issues in Niger state area of Nigeria’s middle belt. *Food and Public Health,* 7(1), 7-22.

Merem, E. C. (2017).  Regional assessment of energy trends in West Africa using GIS.  *International Journal of Energy Engineering,* 7(1), 1-27.

Merem, E.C. (2017). Analyzing water management issues using GIS: The case of Nigeria. *Geosciences,* 7(1), 20-46.

Merem, E. C.  (2017). Assessing ecosystem liabilities of oil and gas activities in southern Nigeria. *Public Health Research,* 7(1), 3-26.

Merem, E. C.  (2017).  Assessing the ecological effects of mining in West Africa: The case of Nigeria.  *International Journal of Mining Engineering and Mineral Processing,* 6:(1), 1-19.

Merem, E. C.  (2016). Coupling GIS and remote sensing techniques for coastal zone disaster management: The case of southern Mississippi. *Geoenvironmental Disasters,* 3:25.

 Merem, E. C. (2016). Assessing the vulnerability of the us pacific north west region to tsunami hazards. *American Journal of Environmental Engineering*, 6(1), 1-19.

Merem, E. C. (2016). The growing issue of mercury exposure and the threats in the African American community.  *Journal of Frontiers in Science*, 1-15.

Merem, E. C. (2016). The geography of wind energy use in the mid-west region of the U. S. *Journal of Energy and Power*, 6(1), 1-15.

Merem, E. C. (2016). Assessing the environmental impacts of agricultural subsidy in the Mississippi Delta region using GIS. *International Journal of Agriculture and Forestry*, 6(1), 1-21.

Merem, E. C. (2015). GIS assessment of farm landscape change in South Carolina lower region.  *International Journal of Agriculture and Forestry*, 5(2), 92-112.

Merem, E. C. (2015). Analyzing environmental issues in the lower Savannah watershed, in Georgia and South Carolina.  *American Journal of Environmental Engineering,* 5(1), 1-20.

Merem, E. C. (2014). Analyzing water issues in the state of Mississippi. *British Journal of Applied Science & Technology*, 4(2), 3179-3216.

Merem, E. C. (2014).  Analyzing the changing agricultural landscape of northern Louisiana. *Journal of Scientific Research and Reports,* 3(20), 2638-2664.

Merem, E. C. (2014).  Assessing agricultural landscape change in northern Mississippi region. *World Environment*, 4(2), 43-60.

Merem, E. C. (2014). The analysis of coal mining impact on West Virginia’s environment. *British Journal of Applied Science and Technology*, 4(8), 1171-1197.

Merem, E. C.  (2013).  Geospatial assessment of the impacts of changing agricultural   landscape in Louisiana. *Journal of Marine Sciences,* 3, 19-29.

Merem, E. C. and Twumasi, Y. A., (2012). Using GIS to assess the contributions of farming activities to climate change in the state of Mississippi. *British Journal of Environment and Climate Change,* (2)2, 1-15.

Merem, E. C. (2012). Using geospatial information systems in assessing water quality in the mid-atlantic region agricultural watershed of Maryland. *International Journal of Ecosystem,* 2(5), 112-139.

Merem, E. C. (2012). The applications of geo-info systems to gauge the susceptibility of coastal areas in Louisiana and Mississippi. *American Journal of Geographic Information Systems,* 1(3), 46-65.

Merem, E. C. (2012). Tropical landscape change and the role of agroforestry in southern Nigeria. *British Journal of the Environment and Climate Change,* (2):3, 285-319.

Merem, E. C., Twumasi, Y. A., Richardson, C., and Forster, D.  (2012). Using GIS and climate risk information systems to analyze the vulnerability of coastal counties in Louisiana and Mississippi.  *Resources and Environment,* (1)1, 1-18.

Merem, E. C., Twumasi, Y. A. and Richardson, C. (2012). The use of geospatial information systems in the analysis of pollution trends in southern Mississippi region. *American Journal of Environmental Science and Engineering,* 1(1), 14-29.

Merem, E. C., Twumasi, Y. A. and Manu, A. (2012). Visualization of the rangeland resources from space: A case of Sahel region, West Africa.  *International Journal of Geomatics and Geosciences,* 3(1), 259-267.

Merem, E. C., Twumasi, Y. A., Wesley, J. C Richardson and B. Robinson. (2011). The applications of GIS in the analysis of the impacts of human activities on south Texas watersheds.  *International Journal of Environmental Research and Public Health,* 8(6), 2418-2446.

Merem, E. C., Wesley, J., Richardson, C., Forster, D., Romano, C. and Williams, J. (2011). Using geospatial information systems in analyzing urbanization impacts on stream southern habitats in Mississippi coastal ecosystem.  *Journal of Environmental Science and Engineering,* 5(12), 1624-1641.

Merem, E. C. (2011). Geospatial information analysis of land uses impacts in southern Alabama. *Journal of Environmental Monitoring and Restoration,* 7, 1-25.

Merem, E. C. and Twumasi, Y. A. (2011). Relationships between climate parameters and forest vegetation at and near Digya National Park. *Ghana the British Journal of Environment and Climate Change,* 1(4), 2011-2115.

Merem, E. C. and Twumasi, Y. A. (2010).  Using GIS in environmental management: Green assessment of the impacts of petroleum activities in the state of Texas. *International Journal of Environmental Research and Public Health,* *7*(5), 2101-2130.

Merem, E. C. and Twumasi, Y. A. (2008).  Using spatial information technologies as monitoring devices in international watershed conservation along the Senegal River basin of West Africa.  *International Journal of Environmental Research and Public Health,* 5(5), 464-476.

Merem, E. C. and Twumasi, Y. A. (2008). Geospatial information systems analysis of regional environmental change along the Savannah River Basin of Georgia. *International Journal of Environmental Research and Public Health*, 5(1) 281-294.

Merem, E. C. and Twumasi, Y. A. (2008). Using geospatial information technology in natural resources management: The case of urban land management in West Africa. *Sensors,*8, 607-619.

 Merem, E. C. and Twumasi, Y. A. (2007). Using GIS and remote sensing in the analysis of ecosystem decline along the River Niger Basin: The case of Mali and Niger. *International Journal of Environmental Health and Public Health,* 4(2), 278-289.

Merem, E. C. and Twumasi, Y. A. (2007).GIS applications in global environmental protection:The case of environmental monitoring of fossil fuel emission fromoil andgasactivities in Africa.*World Resources Review,*19(3), 657-680.

Merem E. C. (2006). The loss of agricultural land among black farmers, *Western Journal of Black Studies*, 1-17.

 Merem, E. C. and Twumasi, Y. A. (2006). GIS and remote sensing applications in the assessment of change within a coastal environment in the Niger delta region of Nigeria. *International Journal of Environmental Health and Public Health,* 3(1), 98-106.

Merem, E. C. and Twumasi, Y. A. (2006). Hydropolitics: Case of the Niger River Basin. *GIS Development: Africa,* 24-28.

Merem, E. C. and Twumasi, Y. A. (2005). GIS based analysis of growth management and environmental decline of central Mississippi region. *Geographic Information Scienc*es, 11(2), 130-137.

Merem, E. C. and Twumasi, Y. A. (2005). GIS based analysis of growth management and environmental decline of the central Mississippi region. *Annals of GIS* 11(2). 130-138.

Merem, E. C. and Twumasi, Y. A. (2005). GIS applications in land management: The loss of high quality land to land development in central Mississippi from 1987-2002. *International Journal of Environmental Research and Public Health,* 2(2), 234-244.

Merem, E. C. and Twumasi, Y. A. (2005). Issues in wildlife habitat conservation: the current initiatives in the south east, the case of Mississippi. *Journal of the Alabama* *Academy of Science*, 76(2), 123.

Merem, E. C. and Twumasi, Y. A. (2004). Analysis of trends on forested land areas: the case of Mississippi. *Journal of the Alabama Academy of Science*, 75(2), 82.

Merem, E. C. and Twumasi, Y. A. (2003). Environmental initiatives of community-based development organization: The case of the federation of southern co-operatives of Alabama. *Journal of the Alabama Academy of Science*, 74(2), 97.

Merem, E.C. (2003). Environmental accounting for agricultural land use change in Ottawa, south central from 1981-1996. *The Graduate*, 20(3), 1.

***Peer Reviewed Proceedings***

Merem, E. C. and Twumasi, Y. A. (2004). *GIS applications in growth management: The case of central Mississippi.* Proceedings of a conference held at the ACSM-ASPRS Annual Convention and Exhibition on CD ROM ISBN 1-57083-072 American Society for Photogrammetry and Remote Sensing. Denver CO, 28th May 2004.

Merem, E. C. (2004). *Multi-jurisdictional issues in international water quality monitoring: The case of Lake Chad Basin in West Africa.* Proceedings of a conference held at the Fourth National Water Quality Monitoring Council Conference held at Building and Sustaining Successful Monitoring Programs, Chattanooga, TN, 17th-20th May 2004.

Merem, E. C. and Twumasi, Y. A. (2004). *GIS applications in land management: The loss of high quality land to land development in central Mississippi from 1987-2002.* Proceedings of a conference held at the First International Symposium on Recent Advances in Environmental Health Research held at Jackson, MS, 20th September 2004.

Merem, E. C. (2004). *Landlessness in the black farming community: The way out.* Proceedings of the fourth annual conference of the University of Wisconsin-Madison Land Tenure Center’s North American Program held in Madison, WI, 25th May 2004.

Merem, E. C. (2004). *Environmental accounting for oil and natural gas in Texas, Louisiana, and Mississippi from 1967-2000.* Proceedings of the Jackson State University center for university scholars, annual university scholars’ symposium held at Jackson State University, Jackson, MS, 4th November 2004.

Merem, E. C. (2005). *The agroforestry systems of west Africa: the case of Nigeria.* Proceedings of the ninth north America  agroforestry conference at the University of  Minnesota, St. Paul, MN, 12th June 2005.

Merem, E. C. (2005). *The effects of toxic chemicals in forest vegetation management: A review of the incidents in selected forest regions of the United States.* Proceedings of the 5th international conference on forest vegetation management at Oregon State University, Corvallis, OR, 20th June 2005.

Merem, E. C. (2009). T*he use of stewardship principles in rural environmental protection:*  *Proceedings of USDA-CRESS conference, Kansas City, MO, 8th February 2009.*

Merem, E. C. (2009). *The use of spatial technologies in environmental management: The case of ecosystem assessment of oil and gas activities in Texas.* Proceedings of the American Environmental Health Association, San Diego, CA, 9th March 2009.

Merem, E. C. (2009). The *applications of spatial information systems in ecosystem restoration: The case of Colorado Rocky Mountain arsenal.* Proceedings of National Conference on Ecosystem, Los Angeles, CA, 23th – 24th July 2009.

Merem, E. C. (2008). *The application of spatial information technologies in international watershed management:* Proceedings of the 4th  International Conference on the Latest Advances  in Environmental Health,  Jackson, MS, 14th September 2008.

Merem, E. C. (2008). *Applying GIS and remote sensing as monitoring tools in multinational watershed management the case of the Senegal River Basin of  West Africa*.  Proceedings of the National Water Quality Monitoring Council, Atlantic City, NJ, 18th -22th May 2008.

Merem, E. C., Richardson, C., Wesley, J., and Miller, K. (2012, September). *Geospatial assessment of agricultural landscape variations in the northern Mississippi region.* Poster presented at the 9thinternational Symposium on the Recent Advances in Environmental Health, Jackson, MS.

Merem, E. C., Svenska, D., Twumasi, Y. A., Richardson, C., Wesley, J., and K. (2012). *Environmental history of African Americans: the case of mining towns and African Americans.*  Proceedings of the 20th Annual National Association of African American Studies and Affiliates NAAAS Conference, Baton Rouge, LA, 13th – 18th February 2012.

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J., Williams, J. and Forster, D. (2012). *Using GIS to analyze the changing agricultural landscape of northern Mississippi.*  Proceedings of the AEHS 22nd Annual International Conference on Soil, Water, Energy and Air, San Diego, CA, 19th – 24th March 2012.

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J., Williams, J. (2012). Using *GIS to analyze the changing agricultural landscape of southern Louisiana.* Proceedings of the National Water Quality Association Conference NWAQC, Portland, OR, April 2012.

Merem, E. C.,Twumasi, Y. A., Richardson, C. and Wesley, J. (2011). *Using GIS to gauge the vulnerability of coastal areas in the south east states of Mississippi and Louisiana.* Proceedings of the 8th International Conference on the Latest Advances in Environmental Health, Jackson, MS, 20th September 2011.

Merem, E. C., Wesley, J. and Robinson, B. (2011).  Regional *assessment of tsunami hazard management plans: the case of the pacific northwest.* Proceedings of the Disaster Resistance Workshop, New Orleans, LA, 16th February 2011.

Merem, E. C., Wesley, J., Twumasi, Y. C., and Walker, T. J. (2011).  *Using GIS in ecological assessment of ground water resource use in Mississippi.* Proceedings of the AEHS Western Regional Conference, San Diego, CA, March 2011.

Merem, E. C., Wesley, J., Williams, J. and Foster, D. (2011). *The analysis of Brownfields land reuse programs: the state of Mississippi.* Proceedings of the poster presented at the Sustainable Remediation Conference, Amherst, MA, 1st – 3rd June 2011.

Merem, E. C., Wesley, J. M. and  Fuller, H. D.  (2011).  *Environmental sustainability: A vision of relevance for environmental justice groups.*  Proceedings of the ACSP Conference, Salt Lake City, UT, November 2011.

Merem, E. C., Twumasi, Y. A., Wesley, J., Yeramilli, S. and Richardson, C. (2011). *Using climate risk information in assessing the vulnerability of coastal areas in the southeast:  the case of Louisiana and Mississippi.* Proceedings of the CIMRI Conference, Orlando, FL, 24th – 27th May 2011.

Merem, E. C, Wesley, J. M.  and Roberts, S. (2011).  *A challenging trinity:  Poverty, health and geography.* Proceedings of the Sino-American Research Forum, Jackson State University, Jackson, MS, 10th – 13th April 2011*.*

Merem, E. C. and Romarno, C*.* (2010). *The applications of spatial information systems in ecosystem restoration: The case of the Colorado Rocky Mountain Arsenal.* Abstract, in Proceedings of the NCER and ASCE Conference, Phoenix, AZ, December 2010.

Merem, E. C., Yerramilli, S. and Robinson, B. (2010). *The applications of GIS in the analysis of the impacts of human activities in south Texas watersheds.* In Proceedings of the 6th International Conference on the Latest Advances in Environmental Health in Jackson, MS,12th – 16th September 2010.

Merem, E. C., Yerramilli, S., Robinson, B., Twumasi, Y. A., and Wesley, J. (2011). *Using GIS in ecological assessment of ground water resource use in Mississippi.* In proceedings of the Western Regional Chapter of the American Environmental Health Association Conference, San Diego, 3rd February 2011.

Merem, E. C., Yeramilli, S. and Robinson, B. (2010). *Using GIS to analyze the environmental impacts of mining on water resources in the state of West Virginia.* Proceedings of the Seventh National Water Monitoring Conference: Monitoring from the Summit to the Sea, Denver, CO, 25th – 29th April 2010.

Merem, E. C., Yeramilli, S., and Robinson, B. (2010). A*nalyzing the effects of human activities on agricultural watersheds in southern Texas.* Paper presented at the 2010 Land Grant and Sea Grant National Water Conference, Hilton Head, SC, 21st – 25th February 2010.

Merem, E. C., Robinson, B. and Twumasi, Y. A. (2009). *Using GIS in environmental management: Green assessment of the impacts of petroleum activities in the state of Texas.* Paper presented at the 6th International Conference on the Latest Advances in Environmental Health, Jackson, MS, 12th – 16th September 2009.

Merem, E. C., Twumasi, Y. A., and Wesley, J. (2009). *The Use of stewardship principles in rural environmental protection.* In proceedings of the USDA-CREES, National Water Conference, St Louis, MO, 8th February2009.

Merem, E. C., Robinson, B., and Romano, C*.* (2009). *The applications of spatial information systems in ecosystem restoration: The case of Colorado Rocky Mountain Arsenal.*  In proceedings of the 3rd National Conference on Ecosystem, Los Angeles, CA, 23rd -24th July 2009.

Merem, E. C., Twumasi, Y. A., and Robinson, B*.* (2009). *The use of spatial technologies in environmental management: The case of ecosystem assessment of oil and gas activities in Texas.* In proceedings of the Western Regional Chapter of the American Environmental Health Association Conference, San Diego, CA, 3rd February 2009.

Merem, E. C. and Wesley, J.  (2009). *Neighborhood associations: A cross-neighborhood comparison*. In proceedings of Paper the Urban Affairs 34th Annual Meeting Chicago, IL, March 2009.

***Peer Reviewed Books Published /In Print:***

Merem, E. C. (2005). *Environmental accounting for changes in farmland use: A canadian case study*.  New York, NY:  Edwin Mellen Press.

Merem, E. C. (2011). *Environmental accounting for oil and natural gas a north american case study.*  New York, NY:  Edwin Mellen Press.

***Book Chapters Published***

Merem, E. C. (2020 January). *Using GIS to Assess the Contribution of Farming Activities   towards Climate Change in the State of Mississippi,* *Chapter* 10.  *In Current Perspectives to Environment and Climate Change. Vol. 3.* London, UK: Book Publisher International.

Merem, E. C. (2020 January). *Tropical Forest Landscape Change and the Role of Agroforestry Systems in Southern Nigeria, Chapter 1*. *In Current Perspectives to Environment and Climate Change. Vol. 3*. London, UK: Book Publisher International.

 Merem, E. C. (2020 January).  *The Analysis of Coal Mining Impacts on West Virginia’s Environment, Chapter 3. In Emerging Issues in Science and Technology. Vol. 1*. London, UK:  Book Publisher International.

Merem, E. C. (2020 January).  *Analyzing Water Resource Issues in the State of, Mississippi, Chapter 1. In Emerging Issues in Science and Technology Vol. 1*. London, UK: Book Publisher International.

Merem, E. C. (2019).  *Relationships Between Climate Parameters and Forest Vegetation at and Near Digya National Park Ghana,  Chapter 12.  In Current Perspectives to Environment and Climate Change Vol.2*.  London, UK: Book Publisher International .

Merem, E. C. (2015). *The geographic distribution of disease and health disparity in the state of Mississippi,* *Chapter 7. In the state of health and health care in Mississippi:* Oxford, MS:The University of Mississippi Press

***Books In Progress:***

Merem, E. C. (2017). The Anthology of  American  *Environmental history.* Pittsburgh, PA: Doern Press.

***Papers Submitted to Academic Journals:***

Merem, E. C.  (2012). Changing agricultural land use change for southern Louisiana. Paper submitted *Journal of Marine Science.*

Merem, E. C. (2009). The contributions of agriculture to climate change in Mississippi.  Paper submitted *World Resources Review.*

Merem, E. C. (2012). Tropical landscape change and the role of agroforestry in southern Nigeria.  Paper submitted to the *British Journal of the Environment and Climate Change*.

Merem, E. C. and Twumasi, Y.  (2007, September). *Geospatial information systems analysis of regional environmental change along the savannah river basin of Georgia.* Poster presented at the 4th International Conference on the Latest Advances in Environmental Health Jackson, MS.

Merem, E. C., Robinson, B., and Twumasi, Y. A. (2009). Using GIS in environmental management:   Green assessment of the impacts of petroleum activities in the state of Texas. Paper submitted to the *International Journal of Environmental Health*.

William, H. and Merem, E. C.  (2003). African American economic imagination a dream deferred.  *The Review of Black Political Economy*.

Merem, E. C., and Twumasi, Y. A. (2004). GIS applications in land management: The loss of high quality land to land development in central Mississippi from 1987-2002.   *International Journal of Environmental Health Research*.

Merem, E. C. (2004). The applications of environmental policy instruments. *Environmental Policy and Law*.

Merem, E. C. (2004). Synthesis of regional issues in international water resource  management: The case of north america, the middle east and horn of Africa.    *International Journal of Water Resources Development*.

Merem, E. C. and Twumasi, Y. A. (2004). The environmental efforts of African American  community development organizations.  *Western Journal of Black Studies.*

 Merem, E. C. and Twumasi, Y. A. (2005). GIS and remote sensing applications in the assessment of change within a coastal environment in the Niger delta region of Nigeria. *International Journal of Environmental Health Research*.

***Peer Reviewed Conference Paper Presentations:***

Merem, E. C. (2024 March). “Assessing Cotton Production Potentials in Nigeria’s Northern Region,” Conference Paper  Presented at 32nd Joint Conference of National Association of African American Studies (NAAAS). Arlington, TX. February 15-17, 2024.

Merem, E. C. (2024 March). Assessing Solar Energy Potentials in Nigeria. Paper Abstract Accepted for Presentation at the 33rd Annual International (West Coast) Conference on Soil, Water, Energy, and Air (AEHS).  San Diego, CA. March 19-21, 2024.

Merem, E. C. (2024 March). Analyzing Sheanuts Land Use In Nigeria.  Abstract Presented  At the Conference of Minority Public Administrators (COMPA). New Orleans, LA March 2- 5, 2024.

Merem, E. C. (2024 March). The Analysis of Water Resources Management Issues In South Africa . Abstract Submitted for the 97th Annual Louisiana Academy of Science Conference. LSU Alexandria, LA. March 4th, 2024.

Merem, E. C. (2024 May). Examining Geothermal Energy Capacities. In the Northeast Africa Region. The Case of Ethiopia. Abstract  Submitted  For  the Mid South American Society For Photogrammetry and  Remote Sensing (ASPRS) Conference. Oakridge, TN.  May 4th, 2024.

Merem, E. C. (2024 March). Examining Geothermal Energy Capacities. In Western  Canada Region. Paper Presented At the  Alabama A&M University  Climate Change  Conference  .Huntsville, AL. February 21, 2024.

Merem, E.C. (2024 April). The  Analysis of New Generation of Faith Based Leaders In Africa. The Emergence of Evangelist Ebuka Anozie Obi of Zion Ministry: Prophecy With Instant Solution. Abstract Submitted For The JSU Spring Faculty Research Engagement Week Conference.  Jackson, MS. April 19, 2024.

Merem, E.C. (2024 April). Assessing  Community Based  Initiatives of Zion Ministry Under Evangelist Ebuka Obi. Abstract Submitted For The JSU Spring Faculty Research Engagement Week Conference.  Jackson, MS. April 19, 2024.

Merem, E. C. (2023 March). Assessing Yam Land Use Trends In Nigeria’s Lower South Region   Presented at 31st Joint Conference of National Association of African American Studies (NAAAS). Arlington, TX. February 16-18, 2023.

Merem, E. C. (2023 March). Assessing The Potentials of Cotton Land Use In Sudan Presented at the Conference of Minority Public Administrators (COMPA). Baltimore Mary land, MD.  March 2- 5, 2023.

Merem, E. C. (2023 March). The Environmental Impacts of Farm Subsidy in California’s South- Central Region. Presented at the 32nd Annual International (West Coast) Conference on Soil, Water, Energy, and Air (AEHS).  San Diego, CA. March 20-23, 2023.

Merem, E. C. (2023 March). Assessing Climate Change Impacts In The US Pacific North West Region. Presented at the 97th Annual Louisiana Academy of Science Conference. LSU Alexandria, LA. March 4th, 2023.

Merem, E. C. (2023 March). The Assessment of Climate Change Risks In Maryland’s Southern Region. Presented at the 87th Annual Mississippi Academy of Science Conference. Biloxi, MS. March 23, 2023.

Merem, E. C. (2023 April). Analyzing Issues in Water Resource Management Within the US Northeast Zone. To be Presented at The National Water Quality Monitoring Council Conference.  Virginia Beach, Virginia, April 24 – 28

Merem, E. C. (2023 April). The Anthology of African American Environmental History. To be Presented at The JSU Spring Faculty Research Engagement Week Conference.  Jackson, MS. April 19, 2023

Merem, E.C. (2022 October). Assessing Water Resource Issues Along the US Northeast Region. Presented at The JSU Research Engagement Week Conference.  Jackson, MS. October 25-27, 2022

Merem, E.C. (2022 February). Assessing Cassava Land Use Trends in Nigeria's Lower South Region.  To be presented at 31st Joint Conference of National Association of African American Studies (NAAAS). Dallas, TX. February 14-19, 2022.

Merem, E.C. (2022 March). The Analysis of Wind Energy Potentials In South Africa. To be presented at the Conference of Minority Public Administrators (COMPA). Dallas, TX. March 2- 5, 2022.

Merem, E.C. (2022 March). Evaluating the Ecological Effects of Agricultural Subsidy in The North Texas Region. To be presented at the 31st Annual International (West Coast) Conference on Soil, Water, Energy, and Air (AEHS).  San Diego, CA.  March 14-17, 2022.

Merem, E.C. (2022 March). Analysis of Climate Change Issues In Florida’s Southern Region. To be presented at the 96th Annual Louisiana Academy of Science Conference. LSU Alexandria, LA. March 12th, 2022.

Merem, E.C. (2022 March). Assessing Climate Change Risks In The US Midwest Region’s Environment. To be presented at the 86th Annual Mississippi Academy of Science Conference. Biloxi, MS. March 31-April 1, 2022.

Merem, E.C.  (2021, February).  *Analyzing Issues in Africa's Natural Resource Sector: The Case of COVID 19 pandemic Impacts.* Presented At 30th Joint Conference of National Association of African American Studies (NAAAS). Dallas, TX. February 16, 2021

 Merem, E.C. (2021, February). *Mississippi Evictions: Another Dimension to Housing Insecurity*”. Presented At 30th Joint Conference of National Association of African American Studies (NAAAS). Dallas, TX. February 18, 2021

 Merem, E.C. (2021, February). *Assessing Water Resource Management Issues In The US Midwest Region*,” Presented At Virtual Conference of Minority Public Administrators (COMPA).  Dallas, TX. February 25-28, 2021.

Merem, E.C. (2021, March). *The Assessment of Dairy Production and Milk Use: The Case Africa Using GIS*. Presented At Louisiana Academy of Sciences. Conference.  Alexandria, LA. March 16, 2021.

 Merem, E. C.  (2021, March). *Assessing Hydraulic Fracking Issues In The US South East and Western Region.* Presented At The 30th Annual International (West Coast) Conference on Soil, Water, Energy, and Air (AEHS).  Amherst, Massachusetts.  March 24, 2021

Merem, E. C.  (2021, April). *Appraising Issues in Water Resources Use Among Nations in the West African Region.* Presented At 12th National Monitoring Virtual Conference. Providence, Rhode Island. April 19, 2021.

 Merem, E. C. and Twumasi, Y. A. (2020, February). *Analyzing the Use of  Genetic Modified Organisms GMOs in US Agriculture In the Midwest Region*. Presented At The 2020     Mississippi Political Science Conference (MPCC),  Jackson, MS.

Merem, E. C. and Twumasi, Y. A. (2020, February). *Assessing the Environmental Risks from Electronic Waste Dumping in the West African* *Region*. Presented At The 2020     Mississippi Political Science Conference (MPCC),  Jackson, MS.

Merem, E. C. and Twumasi, Y. A. (2020, February). *The Regional Analysis of Groundnut Farmland Use in Northern Nigeria*. 87th Annual Conference of Association of Social and Behavioral Scientists, Inc (ASBS), Atlanta, 2020, March 4-7

Merem, E. C. (2020, February). *The Intersectionality of Climate Change, Health and Environmental Justice.* 87th Annual Conference of Association of Social and Behavioral Scientists, Inc (ASBS), Atlanta, 2020, March 4-7

Merem, E. C. and Twumasi, Y. A. (2020, February).  *The Analysis of  Palm Oil Production and Land Use In Nigeria’s Lower  South  Region.* 29th Joint Conference of National Association of African American Studies (NAAAS). Dallas, TX.

Merem, E. C. and Twumasi, Y. A. (2020, March). *Assessing The Risks From Changing Climate In South Texas Region.* 94th Annual Meeting of The Louisiana Academy of Science (LASC).Louisiana State University -Alexandria, Louisiana, March 14, 2020

Merem, E. C. and Twumasi, Y. A. (2020, March). *The Assessment of China’s Scramble for Natural Resources Extractions In Africa.* 16th  International Symposium on the Recent Advances in Environmental Health. Jackson, MS. 2020, March 29-April 1

Merem, E. C. and Twumasi, Y. A. (2020, March).  *Assessing Water Resource Issues Among States in the US Southeast Region.* To be Presented  at 28th Annual AEHS Conference. San Diego, CA.

Merem, E. C. and Twumasi, Y. A. (2020, March).  *Coupling LiDAR DEM and remote sensing data to support urban flood management in Baton Rouge.* Mapping Forum (ILMF). Washington, DC. March 23-25, 2020

Merem, E. C.  (2020 April).  A Framework for Community-Based Participatory Research: Getting It Right. The 50th Annual Urban Affairs Association (UAA) Conference in Washington,  DC April 2-4, 2020

Merem, E. C. and Twumasi, Y. A. (2019, November ). *Changes of Urban Green Spaces and Their Driving Forces: A Case Study of Lagos, Nigeria.* Society of American Foresters National Convention. Louisville, Kentucky. 2019, November

Merem, E. C.  (2019 November 2019).  November Assessing The Impacts of Climate Change Hazards In Low-Lying Black Communities In The US Southern Region. Paper Presented At HBCU Students Conference, New Orleans, LA

Merem, E. C. and Twumasi, Y.A. (2019, January).  *Fusion of High Resolution Satellite Imagery to Support Urban Forest Monitoring in Baton Rouge, LA* . 2019 ASPRS Annual Conference, Denver, CO.

Merem, E, C.  and   Wesley, J.  (2019 January*).*  *Evaluating Geothermal Power Use in the East African Region: The Case of Kenya.* 15th International Symposium on the Recent Advances in Environmental Health. Jackson, MS

Merem, E. C. and Wesley, J. (2019, March). *Assessing Geothermal Energy Potentials in The Western Region of the US With GIS*. 27th Annual AEHS Conference. San Diego, CA.

Merem, E. C. and Twumasi, Y. A. (2019, February). *Assessing Organic Farming Trends  in the West Region of the United States*”. 2019 Mississippi Political Science Conference (MPCC),  Hattiesbourg , MS.

Merem, E. C. and Twumasi, Y. A. (2019, February). *The Analysis of Cocoa Farming Activities  in the West African Region*. 28th Joint Conference of National Association of African American Studies (NAAAS). Dallas, TX.

Merem, E. C. and Twumasi, Y. A. (2019, March). *Analyzing Current Transboundary Water Issues and Hydro Politics of the Horn of Africa Region*”. 93rd Annual Meeting of the Louisiana Academy of Sciences, Baton Rouge, LA.

Merem, E. C. and Twumasi, Y. A. (2019, March). A Spatial Study of the Location of Toxic Sites and Its Impacts on Ecosystem: the Case of Louisiana”  93rd Annual Meeting of the Louisiana Academy of Sciences, Baton Rouge, LA.

Merem, E. C. and Twumasi, Y. A. (2019,October/November).  Changes of Urban Green Spaces and Their Driving Forces: A Case Study of Lagos, Nigeria. Society of American Foresters National Convention. Louisville, Kentucky.

Merem, E. C. and Wesley, J. (2019, April). Resident Empowerment through Community-based “Participatory Research. UAA Annual Conference, Los Angeles, CA.

Merem, E. C. and Wesley, J. (2018, March). *Regional Assessment of Climate Change Hazards in Southern Nigeria with GIS*. 26th Annual AEHS Conference. San Diego, CA.

Merem, E. C. and Twumasi, Y.A. (2018, February).  *Analysis of Temperatures Trends  In Kenya From 1970-2015*. 26th Joint Conference of National African American Studies (NAAAS). Dallas, TX.

Merem, E. C. and Wesley, J. (2018, February).  *Assessing Water Resource Issues in the US Pacific North West Region*. 2018 Mississippi Political Science Conference  (MPCC), Jackson, MS.

Merem, E. C. and Wesley, J. (2018, February). *From Jefferson Davis to Doug Jones:“The South Shall Rise Again”*. 2018 Mississippi Political Science Conference  (MPCC), Jackson, MS.

Merem, E. C. and Wesley, J. (2018, February).  *Analyzing the Tragedy of Illegal  Fishing  By  Foreign Vessels on the  West  African Coastal Region*. 26th Joint Conference of National Association of African American Studies (NAAAS). Dallas, TX.

 Merem, E. C. and Wesley, J. (2018, March).  *The Analysis of  Food Security  Trends  In The  West African Region*.  The Association of  Social  and Behavioral  Scientists (ASBS), INC Conference. Nashville, TN.

Wesley, J. M., Williams-Washington, J., McCelleis, N., Foster, D. G., Merem, E. C., Purry, V., (2018, August). Social inclusion: Applying knowledge to action. International Council of Professors of Educational Leadership. Charlotte, NC.

Merem, E, C.  and   Wesley, J.  (2017 September *). Assessing Variations  in Climate Change  Parameters In The Lower West African Region*.  14th International Symposium on the Recent Advances in Environmental Health. Jackson, MS

Merem, E, C.  (2017 August).  *Departmental Action Plan For the 21st Century  For the DCRP*. Presented at the Campus Invitation of The Alabama A&M University. Huntsville, AL

    Merem, E, C.  and  Nwagboso, E.  (2017 February*). Leadership, Culture and Power in the Global System*.   Annual Conference of Mississippi Political Science Association,   Jackson: MS

Merem, E. C. and Wesley, J. (2017, March). *Assessing the Effects of Fuel Based Lighting: the Case of Kerosene Disasters in Nigeria*. 25th Annual AEHS Conference*.* San Diego, CA.

Merem, E. C. and Wesley, J. (2017, March).  *Analyzing Renewable Energy Use in Ghana: the Case of the Electricity Secto*r.  Race, Gender & Class Conference*.* New Orleans, LA.

Merem, E. C. and Wesley, J. (2017, March). Environmental Justice and Health: Added Dimensions to Climate Change.  Race, Gender & Class Conference*.* New Orleans, LA.

Merem, E. C. and Wesley, J. (2017, March). *Under the Watch of MLK: Bernie Sanders’ Political Revolution and Call for Social Justice*.  Race, Gender & Class Conference*.* New Orleans, LA.

Merem, E. C. and Wesley, J. (2017, February).  *the Menace of  Illegal Wildlife Trade  In Sub-Saharan Africa*. 25th Joint Conference of National Association of *Assessing* African American Studies (NAAAS). Dallas, TX.

Merem, E. C. and Wesley, J. (2017, April). *Urban Health, Housing, and City Planning; the Forgotten Trinity* *.* 47th Urban Affairs Association Annual Conference*.* Minneapolis, MN.

Merem, E. C., & Wesley, J. (2016). *Regional Assessment of Energy Trends in West Africa*. 13th International Symposium on the Recent Advances in Environmental Health. Jackson, MS.

Merem, E. C. and Wesley, J. (2016, March). *Assessing the Effectiveness of Environmental Policy Instruments in the Containment of Lead Exposure in African American Communities.* 81st Annual Conference of the Association of Social and Behavioral Scientists Inc. (ASB*).* Jackson, MS.

Merem, E. C. and Wesley, J. (2016, March).  *Assessing the Ecological effects of mining in West Africa: The case of Nigeria*. Poster presented at *24th Annual AEHS Conference*. San Diego, CA.

Merem, E. C. and Wesley, J. (2016).  *Incorporating Social Justice in Planning Education Curriculums.*  Race, Gender & Class Conference*.* New Orleans, LA.

Merem, E. C. and Wesley, J. (2016).  Analyzing the Impacts of Globalization on Major Areas: The Case of Lagos, South West Nigeria.  *Race, Gender & Class Conference.* New Orleans, LA.

Merem, E. C. and Wesley, J. (2016).  *Analyzing Water Management Issues Using GIS in West Africa the Case of Nigeria*. 10th National Water Quality Association Conference NWAQC. Tampa, FL.

Merem, E. C. and Wesley, J. (2016).  Water and African Americans in Environmental History. 24th *Joint Conference of National Association of African American Studies (NAAAS).* Baton Rouge, LA.

Merem, E. C., Wesley, J., Leggett, S. (2016, February). *Black home ownership and housing: More than an aspiration.* Poster presented at National Association for African American Studies and Affiliates Conference. Baton Rouge, LA.

Merem, E. C. and Wesley, J. (2015, September*). Ecosystem liabilities of oil and gas activities in southern nigeria*. Poster presented at 12th International Symposium on the Recent Advances in Environmental Health, Jackson, MS.

Wesley, J., Merem, E. C., and Odom, L. (2015). A *Closer Look at Diversity: Non-Black Students Enrolled in Planning Programs at Historically Black Colleges and Universities*. Association of Collegiate Schools of Planning*.* Houston, TX.

Merem, E. C. and Wesley, J. (2015, March). *The Environmental impacts of farm subsidy in the Mississippi delta using GIS.* Poster presented at 25th Annual AEHS Conference, San Diego, CA.

Merem, E. C. and Wesley, J. (2015). *The Growing Issue of Mercury Exposure in the African American Community*. Paper presented at23rd Joint Conference of National Association of African American Studies (NAAAS), Baton Rouge, LA.

Merem, E. C. and Wesley, J. (2014, September). *The geography of wind energy in the midwest region of the united states using analysis.* Poster presented at the 11th International Symposium on the Recent Advances in Environmental Health, Jackson MS.

Merem, E. C. and Wesley, J. (2014). *Exploring the Demographic Dimensions and Expressions of Hispanic Latino Lesbians, Gays, Bisexuals and Transgenders.* Paper presented at National Association of African American Studies (NAAAS), Eastern Regional Conference*,* Tampa, FL.

Merem, E. C. and Wesley, J. (2014). *Analyzing the Impacts of Climate Change on African American Communities in the United States*. Paper presented at *22nd Joint Conference of National Association of African American Studies (NAAAS),* Mississippi College, Jackson, MS.

Merem, E. C. and Wesley, J. (2014). *GIS Assessment of the Ecological Impacts of Farm Landscape Change in South Carolina Lower Region*. Presented at the National Water Quality Association Conference NWAQC, Cincinnati, OH.

Merem, E. C. and Jackson, W.  (2014, October). *The analysis of lead pollution*. Poster presented at the Joint Fall Conference of the Mississippi and Alabama Chapters of the American Planning Association Conference, Tupelo, MS.

Merem, E. C. and Wesley, J. (2014, March). *GIS analysis of environmental issues in lower savannah watershed.* Poster presented at 24th Annual AEHS Conference, San Diego, CA.

Merem, E. C. and Wesley, J. (2014). *Rural Tourism in Mississippi: Leveraging Assets, Diversifying the Economy*. Paper presented at the Urban Affairs Association 44rd Annual Conference*,* San Antonio, TX.

Merem, E. C. and Wesley, J. (2013, September). *GIS analysis of shifting farm landscape in  northern Louisiana region.* Poster presented at the 10th International Symposium on the Recent Advances in Environmental Health, Jackson, MS.

Merem, E. C. and Wesley, J. (2013, March). *Environmental justice issues in the Gulf of Mexico region.* Poster presented at EPA Environmental Justice Conference on the Gulf of Mexico, Biloxi, MS.

Merem, E. C. and Wesley, J. (2013). *Hispanics In Mississippi: Creating Sense of Place in Urban Spaces and Rural Spaces*. Paper presented at the Urban Affairs Association 43rdAnnual Conference. Building the 21st Century City, Inclusion, Innovation and Globalization, San Francisco, CA.

Merem, E. C. and Wesley, J. (2013). *Analyzing Environmental Conservation Issues Along the Lower Savannah Watershed. Abstract accepted for presentation* at the *13th* National Watershed Conference, Tunica, MS.

Merem, E. C. and Wesley, J. (2013, March). *Analyzing the changing agricultural landscape of northern Louisiana using GIS.* Poster presented at the AEHS Conference, San Diego, CA.

Merem, E. C. and Wesley, J. (2012). *A Comparative Approach to Building Capacity and Strengthening Organizational Infrastructure in Environmental Justice Communities*.

       US EPA, Region IV EJ Conference Atlanta, GA.

Merem, E. C. Richardson, C., Wesley, J., and Miller, K. (2012, September). *Geospatial assessment of agricultural landscape variations in the northern Mississippi region.* Poster presented at the 9th International Symposium on the Recent Advances in Environmental Health, Jackson, MS.

Merem, E. C. Svenska, D., Twumasi, Y. A., Richardson, C., Wesley, J., and Miller, K. (2012). *Environmental history of African Americans: The case of mining towns and African Americans.* Paper presented at the 20th Annual National Association of African American Studies and Affiliates NAAAS Conference, Baton Rouge, LA.

Merem, E. C., Twumasi, Y. A., Richardson, C. Wesley, J., Williams, J., and Forster, D.  (2012). *Using GIS to analyze the changing agricultural landscape of northern Mississippi.* Paper presented at the *AEHS* 22nd Annual International Conference on Soil, Water, Energy and Air, San Diego, CA.

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J., and Williams, J. (2012). *Using GIS to analyze the changing agricultural landscape of southern Louisiana*. Paper presented at the National Water Quality Association Conference NWAQC, Portland, OR.

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J., and Williams, J. (2012). *The use of GIS to analyze the changing agricultural landscape of south Georgia.* Abstract accepted at USDA-CREES National Conference*,* Portland, OR.

Merem, E. C.,  Twumasi, Y. A., Richardson, C., and Wesley, J. (2011, September). *Using GIS to gauge the vulnerability of coastal areas in the south east states of Mississippi and Louisiana.* Poster presented at the 8th International Conference on the Latest Advances in Environmental Health, Jackson, MS.

Merem, E. C., and Twumasi, Y. A. (2011). *Satellite image fusion with dem for 3d terrain visualization and coastal zone management: A case of southern Mississippi.* Paper presented at the 12th  Annual Coastal Development Strategies Conference, IP Casino Resort Spa, Biloxi, MS.

Merem, E. C., Yeramilli, S., and Twumasi, Y. A. (2011). *The applications of spatial information systems in the mapping of ground water use in agriculture in the state of Mississippi.* Abstract accepted by USDA –Cress Conference, Washington, DC.

Merem, E. C., Wesley, J., and Robinson, B. (2011). *Regional assessment of tsunami hazard management plans: The case of the pacific north west.*  Paper presented at Disaster Resistance Workshop, New Orleans, LA.

Merem, E. C., Wesley, J., Twumasi, Y. A., and Walker, T. J. (2011, March). *Using GIS in ecological assessment of ground water resource use in Mississippi.* Poster presented at the AEHS Western Regional Conference, San Diego, CA.

Merem, E. C. (2011). *Environmental accounting for oil and natural gas:  A north american case study of united states and Canada.* New Book Review and Presentation Ceremony in the Doctoral Seminar of the Department of Urban and Regional Planning, Jackson State University, Jackson MS.

Merem, E. C., Wesley, J., Williams, J. and Foster, D.(2011, June). *The analysis of brownfields land reuse programs: The state of Mississippi.* Poster presented at the Sustainable Remediation Conference, Amherst, MA.

Merem, E. C., Wesley, J. M., and  Henry D. Fuller.  (2011). *Environmental sustainability: A vision of relevance for environmental justice groups.* Paper presented at ACSP Conference, Salt Lake City, UT.

Merem, E. C., Twumasi, Y. A., Wesley, J., Yeramilli, S., and Richardson, C. (2011, May).   *Using climate risk information in assessing the vulnerability of coastal areas in the southeast:  The case of Louisiana and Mississippi.* Poster presented at the CIMRI Conference, Orlando, FL.

Merem, E. C., Wesley, J. M., and Roberts, S. (2011). *A challenging trinity: Poverty, health and geography.* Paper presented at Sino-American Research Forum, Jackson State University, Jackson, MS.

Merem, E. C., Twumasi, Y. A., Wesley, J. M., Yerramilli, S. and Richards, C. (2011). *Using GIS to analyze the restoration of degraded coastal areas in the gulf region.* Abstract submitted to Global Summit on Coastal Seas, Baltimore, MA.

Merem, E. C. and Twumasi, Y. A.  (2010). *The use of GIS technologies in transportation planning.* Abstract presented in the Annual Transportation Conference, Jackson, MS.

Merem, E. C. and Romarno, C. (2010). *The applications of spatial information systems in ecosystem restoration: The case of the Colorado Rocky Mountain arsenal.* Abstract submitted to NCER and ASCE Conference, Phoenix, AZ.

Merem, E. C., Yerramilli, S., and Robinson, B. (2010). *The applications of GIS in the analysis of the impacts of human activities in south Texas watersheds.* Paper   presented at the 6th International Conference on the Latest Advances in Environmental Health, Jackson, MS.

Merem, E. C., Yerramilli, S., Robinson, B., Twumasi, Y. A., and Wesley, J. (2011*.)  Using GIS in ecological assessment of ground water resource use in Mississippi.* Abstract submitted to the Western Regional Chapter of the American Environmental Health Association Conference, San Diego, CA.

Merem, E. C. and Wesley, J.  (2010, January). *Thirty years later: Columbia, MS revisited.* Poster presented at a Conference on Environmental Justice, New Orleans, LA.

Merem, E. C., Yeramilli, S. and Robinson, B. (2010). *Using GIS to analyze the environmental impacts of mining on water resources in the state of West Virginia.* Paper presented at the Seventh National Water Monitoring Conference: Monitoring from the Summit to the Sea, Denver, CO.

Merem, E. C. Yeramilli, S. and Robinson, B. (2010). *The spatial analysis of watershed issues in Georgia.*  Paper accepted for presentation at the 2010 World Environmental Congress, Providence, RI.

Merem, E. C., Yeramilli, S and Robinson, B. (2010). *Analyzing the effects of human activities on agricultural watersheds in southern Texas*. Paper presented at the 2010 Land Grant and Sea Grant National Water Conference, Hilton Head, SC.

Merem, E. C., Robinson, B. and Twumasi, Y. A. (2009). *Using GIS in environmental management: Green assessment of the impacts of petroleum activities in the state of Texas*. Paper presented at the 6th International Conference on the Latest Advances in Environmental Health, Jackson, MS.

Merem, E. C., Twumasi, Y. A., and Wesley, J. (2009). *The use of stewardship principles in rural environmental protection*. Paper presented at USDA-CREES, National Water Conference, St Louis, MO.

Merem, E. C., Twumasi, Y. A., Robinson, B. and Wesley, J. (2009). *The analysis of water resources management in developing countries: The case of Volta region in Ghana.* Abstract submitted at World Environmental and Water Resources Congress, Kansas City, MO.

Merem, E. C., Robinson, B. and Romano, C. (2009, July). *The applications of spatial information systems in ecosystem restoration: the case of Colorado Rocky Mountain arsenal.*  Poster presented at the 3rd National Conference on Ecosystem in Los Angeles, CA.

Merem, E. C., Twumasi, Y. A., and Robinson, B. (2009). *The use of spatial technologies in environmental management: The case of ecosystem assessment of oil and gas activities in Texas.* Paper presented at the Western Regional Chapter of the American Environmental Health Association, Conference San Diego, CA, February 3, 2009.

Merem, E. C. and Wesley, J. (2009). *Neighborhood associations: A cross-neighborhood comparison.* Paper presented at Urban Affairs 34th Annual Meeting, Chicago, IL.

Merem, E. C., Wesley, J., and Robinson, B. (2009). *The use of spatial technologies in the management of natural areas within the urban environment.* Paper abstract submitted presented at the 47th International Making Cities Livable Conference Portland, OR.

Merem, E. C. and Twumasi, Y. A.  (2008). *The application of spatial information technologies in international watershed management.* Paper presented at the 4th International Conference on the Latest Advances in Environmental Health, Jackson, MS.

Merem, E. C. and Yeramilli, S. (2008). *Geospatial information analysis of land use change in southern Alabama.* Paper presented at the Annual Conference of the Western Chapter of the American Association of Environmental Health, San Diego, CA.

Merem, E. C. (2008, April). *The applications of Geospatial information systems in the Analysis of pollution abatement trends in Southern Mississippi*. Paper presented at the Ecocity World Summit, San Francisco, CA.

Merem, E. C. and  Twumasi, Y. A. (2008). *Applying GIS and remote sensing as monitoring tools in multinational watershed management the case of the Senegal River basin of West Africa*.  Paper presented at the Sixth National Monitoring Conference, Atlantic City, NJ.

Merem, E. C. (2008). *The applications of geo-information tools in agro-watershed management and analysis: The case of mid-atlantic region.* Paper presented at UDSA-CRESS National Water Conference, Sparks, NV.

Merem, E. C. and Yemerill, S. (2008, June). *The contribution of agriculture to climate change in Mississippi. Climate information for management risks CIMR.* Poster presented at International Symposium of the University of Florida, St Pete Beach, FL.

Merem, E. C. (2008). *The application of spatial information systems in ecological and design. The analysis of urbanization impacts on Stream Habitat Ecosystem*.  Paper   presented at the 2nd International Conference on Design Principles and Practice, University of Miami, FL.

Merem, E. C. and Twumasi, Y. A. (2007, September). *Geospatial information systems analysis of regional environmental change along the Savannah River basin of Georgia*.  Poster presented at the 4th International Conference On the latest Advances in Environmental Health, Jackson, MS.

Merem, E. C. and Twumasi, Y. A.  Osei, A., Manu, A., Coleman, T.  (2007). *Using GIS and remote sensing in land use assessment: The case of eastern Nigeria.* Paper presented at the 4th International Conference of the African Soil Science Society (ASSS), Institute of Management and Public Administration, GIMPCA, Accra, Ghana.

Merem, E. C. and Twumasi, Y. A. (2007). *GIS and remote sensing application in the conservation of water bodies. The case of Pearl River watershed in Mississippi.* Paper presented at the USDA–CRESS Annual National Water Conference, Savannah, GA.

Merem, E. C., Twumasi, Y. A., and Taylor, C. (2007). *The analysis of agro-environmental ethics among black farmers.* Paper presented at the Black Environmental Thought Conference, Tuskegee University, Aurbon, AL.

Merem, E. C. and Twumasi, Y. A. (2007). *Geospatial information systems assessment of environmental change in Georgia.*  Paper presented at the 17th Annual Meeting of the National Association for Environmental Health and Sciences, San Diego CA.

Merem, E. C. and Twumasi, Y. A. (2007). *Using geospatial information system in watershed management:  The case of Yazoo River watershed in Mississippi.*  Paper presented at the 2nd National Conference on Ecosystem Restoration, Kansas City, MO.

Merem, E. C. and Twumasi, Y. A., Coleman, T. L., and Manu, A. (2007). *Mapping seasonal flooding in Sub-Saharan Africa using temporal remote sensing data.* Paper presented at the American Society for the Photogrammetry and RemoteSensing (ACSM-ASPRS) Annual Convention and Exhibition, Tampa, FL.

 Merem, E. C. and Twumasi, Y. A. (2007). *Using GIS and remote sensing in the assessment of watershed change along southern Mississippi.* Paper presented at World Environmental and Water Resources Congress, Tampa, FL.

Merem, E. C., Twumasi, Y. A., Manu, A., Coleman, T. L.,  Amamoo-Otchere, E., Petja, B. M., and Osei, A. (2007). *Climate change and biodiversity in tropical Africa rain forests.* Paper presented at the First International Conference on Environmental Research, Technology, and Policy: Building Tools and Capacities for Sustainable Production,  Accra, Ghana.

Merem, E. C., Twumasi, Y. A, and Albert, O. (2006). *The applications of geospatial information technology in land management:  A case study of Lagos Nigeria.* Paper presented at the Fifth GSDI-9 Conference, Santiago, Chile.

Merem, E. C. and Twumasi, Y. A.  (2006). *Using GIS and remote sensing in the analysis of  ecosystem decline along the River Niger basin: The case of Mali and Niger.* Paper  presented at the 3rd Annual International Conference on the Latest Advances in Environmental Health, Jackson, MS.

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Merem, E. C. and Twumasi, Y. A. (2006). *Watershed management using remote sensing: The case of River Niger delta of southern Nigeria.* Paper presented at the Annual Conference of the American Society for Photogrammetry and Remote Sensing, Reno, NV.

Merem, E. C. and Twumasi, Y. A. (2006). *GIS and remote sensing applications in the hydropolitics of Sub-Saharan Africa: The case of multinational management of the River Niger water basin.* Paper presented at the National Water Monitoring Conference, San Jose, CA.

Merem, Edmund, Twumasi, Y. A., and Osei, A. (2006). *Use of remote sensing data to detect environmental degradation in coastal region of southern Nigeria.* Paper presented at the International Society for Photogrammetry and Remote Sensing (ISPPRS), Mid Term Symposium, Enschede, Netherlands.

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Merem, E. C. and Twumasi, Y. A. (2006). *GIS and remote sensing assessment of oil and gas impacts in a tropical ecosystem. The case of Niger delta of Nigeria.*  Paper presented at the 16th Annual Meeting of the National Association for Environmental Health and Sciences, San Diego, CA.

Merem, E. C., Twumasi, Y. A., and Osei, A. (2006). *Use of**GIS and remote sensing technology as decision support tool in land administration: The case of Lagos Nigeria.*Paper presented at the 5th International Federation of Surveyors Regional Conference for Africa, Accra, Ghana.

Merem, E. C. (2006). *The analysis of current issues in water use within the agricultural sector: A south east and western perspective.* Paper presented at the USDA-CSREES National Water Conference, San Antonio, TX.

Merem, E. C. (2006). *Using geo-spatial information systems as decision support tool in agricultural education: The case of agricultural land use monitoring in the Ottawa region and central Mississippi.* USDA Agricultural GIS Education Symposium Pismo Beach, San Louis Obispo, CA.

Merem, E. C. (2005). *GIS and remote sensing applications in watershed management in Sub-Saharan Africa.* Presented at the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Summer Institute and Symposium, Sioux Falls, SD.

Merem, E. C. and Twumasi, Y. A. (2005). *GIS and remote sensing applications in the assessment of change within a coastal environment in the Niger delta region of Nigeria*. Paper presented at the 2nd Annual International Conference on the Latest Advances in Environmental Health, Jackson, MS.

Merem, E. C. (2005). *The role of international environmental conventions in land management.* Paper presented at the Annual Conference of the American Society for Soil and Water Conservation, Rochester, NY, August, 2005.

Merem, E. C. (2005). *The effects of toxic chemicals in forest vegetation management. A review of the incidents in selected forest regions of the United States.* Paper presented at the 5th International Conference on Forest Vegetation Management at Oregon State University, Corvallis, OR.

Merem, E. C.  (2005, June). *The agroforestry systems of West Africa: the case of Nigeria.*  Poster presented at the Ninth North American Agroforestry Conference at the University of Minnesota, St Paul, MN.

Merem, E. C. (2005, April). *The role of ecotourism in the preservation of natural areas:  The case of the African American Community.* Paper presented at the Annual Meeting of the American Society for Applied Anthropology, Santa Fe, NM.

Merem, E. C.  (2005). *The environmental effects of urban sprawl on the quality of public parks: A comparative analysis of park management approaches in the face of sprawl in north and south Jackson of  central Mississippi.* Paper presented at the Interdisciplinary Conference: New Visions of Suburban Life at the Center for Suburban Studies Hofstra University, Hempstead, NY.

Merem, E. C.  (2005*).  Issues in wild life habitat conservation: The current initiatives in the south east, the case of Mississippi.* Paper presented at the 82nd Annual Meeting of the Alabama Academy of Sciences, Birmingham Southern College University, Birmingham, AL.

Merem, E. C. and Twumasi, Y. A.  (2005). *GIS and remote sensing applications in coastal zone resource management: An analysis of the environmental impacts of development in the Mississippi Gulfport region.* Paper presented at the Annual Conference of the American Society for Photogrammetry and Remote Sensing at Baltimore, MD.

Merem, E. C. (2005). *Water quality monitoring in rural Mississippi.* Paper presented at The USDA-CSREES National Water Quality Conference, San Diego, CA.

Merem, E. C. (2004). *Environmental accounting for oil and natural gas in Texas, Louisiana and Mississippi From 1967-2000.* Paper presented at Jackson State University Center for University Scholars during Jackson State University Annual Symposium Faculty Scholars, Jackson MS.

Merem, E. C. and Twumasi, Y. A.  (2004). *Deforestation and GIS application to forest management in Nigeria.*  Paper submitted at the 5th Annual Meeting of the African Association of Remote Sensing of the Environment, Nairobi Kenya, KN.

Merem, E. C. and Twumasi, Y. A. (2004, September). *GIS applications in land management: The loss of high quality land to land development in central Mississippi from 1987-2002*. Poster presented at the First International Symposium on Recent Advances in Environmental Health Research, Jackson, MS.

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Merem, E. C. (2004). *Landlessness in the black farming community: The way out.* Paper presented at the Fourth Annual Conference of the University of Wisconsin-Madison Land Tenure Center’s North American Program, Madison WI.

Merem, E. C. (2004*). Multi-jurisdictional issues in international water quality monitoring: The case of Lake Chad basin in West Africa.* Paper presented at the Fourth National Monitoring Conference: Building and Sustaining Successful Monitoring Programs Chattanooga, TN.

Merem, E. C. and Twumasi, Y. A. (2004). *Analysis of trends on forested land areas: The case of Mississippi.* Paper presented at the Annual Meeting of the Alabama Academy of Sciences, University of Montevallo, Montevallo, AL.

Merem, E. C. and Twumasi, Y. A. (2003). *The environmental initiatives of community based development organizations: The case of the federation of southern cooperatives of Alabama.* Paper presented at the Annual Meeting of the Alabama Academy of Sciences, Jacksonville State University, Jacksonville, AL.

Harris, W. and Merem, E. C. (2003). *African American economic imagination a dream deferred.* Paper presented at the 26th Annual Meeting of Black Studies Conference, Olive Harvey College, Chicago, IL.

Merem, E. C. (1998). *Applications of environmental accounting in Canada’s oil industry.*  Paper presented at the Annual Meeting of the Environmental Studies Association of Canada, Ottawa, ONT.

**Peer Reviewed Abstracts**

Merem, E. C. and Wesley, J., “*Analyzing the changing agricultural landscape of northern Louisiana using GIS,”* abstract, AEHS Conference, (March 2013).

Merem, E. C. and Wesley, J., “*A comparative  approach  to  building  capacity  and strengthening organizational infrastructure  in  environmental  justice communities,”*

       abstract, US EPA, Region IV EJ Conference, (August 10, 2012).

Merem, E. C., Richardson, C., Wesley, J., and Miller, K. (September, 2012). *Geospatial assessment of agricultural landscape variations in the northern Mississippi region.* Poster abstract submitted and presented at the 9th International Symposium on Recent Advances in Environmental Health, Jackson, MS.

Merem, E. C., Svenska, D., Twumasi, Y. A., Richardson, C., Wesley, J., and Miller, K., “*Environmental history of African Americans: The case of mining towns and African Americans,”* abstract, 20th Annual National Association of African American Studies and Affiliates NAAAS Conference, (February 13-18, 2012).

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J., Williams, J., and Forster, D.,  *“Using GIS to analyze  the changing  agricultural  landscape of  northern Mississippi,”* abstract, AEHS 22nd Annual International  Conference  On Soil, Water, Energy  and Air, (March 19-24, 2012).

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J., and Williams, J. *“Using GIS to analyze the changing agricultural landscape of southern Louisiana,”* abstract, National Water Quality Association Conference NWAQC, (April 2012).

Merem, E. C., Twumasi, Y. A., Richardson, C., Wesley, J. and Williams, J. “*The use of   GIS to analyze the changing agricultural landscape of south Georgia,”* abstract, USDA-CREES National Conference, (April 30-May 5. 2012).

Merem, E. C., Twumasi, Y. A., Richardson, C., and Wesley, J. (2011, September). *Using GIS to gauge the vulnerability of coastal areas in the south east states of Mississippi and Louisiana.* Poster abstract accepted and presented at the 8th International Conference on the Latest Advances in Environmental Health, Jackson, MS.

Merem, E. C. and Twumasi, Y. A., “*Satellite image fusion with DEM for 3d terrain visualization and coastal zone management: A case of southern Mississippi,”* abstract, Accepted and presented at the 12th Annual Coastal Development Strategies Conference, IP Casino Resort Spa, (May11-12, 2011).

Merem, E. C., Yeramilli, S., and Twumasi, Y. A. *“The applications of spatial information systems in the mapping of ground water use in agriculture in the state of Mississippi,”* abstract, USDA –Cress Conference, (February 2011).

Merem, E. C., Wesley, J., and Robinson, B. *“Regional assessment of tsunami hazard management plans: The case of the pacific north west,”* abstract, Disaster Resistance Workshop, (February 16, 2011).

Merem, E. C., Wesley, J., Twumasi, Y. A., and Walker, T. J. (2011, March). *Using GIS in ecological assessment of ground water resource use in Mississippi.* Poster abstract accepted and presented at the AEHS Western Regional Conference, San Diego, CA.

Merem, E. C., *“Environmental Accounting for Oil and Natural Gas:  A North American Case Study of United States and Canada,”* abstract, New Book Review and Presentation Ceremony  in the Doctoral Seminar, Department of Urban and Regional Planning, Jackson State University, (March 2011).

Merem, E. C., Wesley, J., Williams, J, and Foster, D. (2011, June). *The analysis of brownfields land reuse Programs: The state of Mississippi.* Poster abstract accepted and presented at the Sustainable Remediation Conference, Amherst, MA.

Merem, E. C., Wesley, J. M., and  Fuller, H. D. “*Environmental sustainability: A vision of relevance for environmental justice groups,”*abstarct, ACSP Conference, (November 2011).

Merem, E. C., Twumasi, Y. A., Wesley, J., Yeramill, S., and Richardson, C. (2011, May). *Using climate risk information in assessing the vulnerability of coastal areas in the southeast: The case of Louisiana and Mississippi.* Poster abstract accepted and presented at the CIMRI Conference, Orlando, FL.

Merem, E. C., Wesley, J. M., and Roberts, S.*“A challenging trinity: Poverty, health and geography,”* abstract, Sino-American Research Forum, Jackson State University, (April 10 -13, 2011).

Merem, E. C., Twumasi, Y. A., Wesley, J.Yerramilli, S., and Richards, C. *“Using GIS to analyze the restoration of degraded coastal areas in the gulf region,”* abstract, Global Summit on Coastal Seas, (August 28-31, 2011).

Merem, E. C. and Twumasi, Y. A. “*The use of GIS technologies in transportation planning,”* abstract, Annual Transportation Conference, (November, 2010).

Merem, E. C. and Romarno, C. *“The applications of spatial information systems in ecosystem restoration: The case of the Colorado Rocky Mountain arsenal,”* abstract, NCER and ASCE Conference, (December 2010).

Merem, E. C., Yerramilli, S., and Robinson, B. *“The applications of GIS in the analysis of the impacts of human activities in south Texas watersheds,”* abstract, 6th International Conference on the Latest Advances in Environmental Health, (September 12-16, 2010).

Merem, E. C., Yerramilli, S., Robinson, B., Twumasi, Y. A., and Wesley, J. “*Using GIS in Ecological Assessment of Ground Water Resource Use in Mississippi,”* abstract,  Western Regional Chapter of the American Environmental Health Association Conference, (February 3, 2011).

Merem, E. C. and Wesley, J.  (2010, January). *Thirty years later: Columbia, MS revisited.*  Poster abstract accepted and presented at Conference on Environmental Justice, New Orleans, LA.

Merem, E. C., Yeramilli, S. and Robinson, B. *“Using GIS to analyze the environmental impacts of mining on water resources in the state of West Virginia,”* abstract, Seventh National Water Monitoring Conference: Monitoring from the Summit to the Sea, (April 25-29, 2010).

Merem, E. C. Yeramilli, S. and Robinson, B.*“The spatial analysis of watershed issues in Georgia,”* abstract, 2010 World Environmental Congress, (May 16-20, 2010).

Merem, E. C., Yeramilli, S., and Robinson, B.*“Analyzing the effects of human activities on agricultural watersheds  in southern Texas,”* abstract, 2010 Land Grant and Sea Grant National Water Conference, (Feb 21-25, 2010).

Merem, E. C., Robinson, B., and Twumasi, Y. A.*“Using GIS in environmental management: Green assessment of the impacts of petroleum activities in the state of Texas,”* abstract, 6th International Conference on the Latest Advances in Environmental Health, (September 12-16, 2009).

Merem, E. C., Twumasi, Y. A., and Wesley, J.*“The use of stewardship principles in rural environmental protection,”* abstract, USDA-CREES National Water Conference, (February 8,2009).

Merem, E. C., Twumasi, Y. A., Robinson, B. and Wesley, J., “*The analysis of water resources management in developing countries: The case of Volta Region in Ghana,”* abstract, World Environmental and Water Resources Congress, (May 17-21, 2009).

Merem, E. C., Robinson, B and Romano, C. (2009, July).  *The applications of spatial information systems in ecosystem restoration: The case of Colorado Rocky Mountain arsenal.*  Poster abstract accepted and presented at the 3rd National Conference on Ecosystem, Los Angeles, CA.

Merem, E. C., Twumasi, Y. A., and Robinson, B.*“The use of spatial technologies in Environmental Management: The Case of Ecosystem Assessment of Oil and Gas activities in Texas,”* abstract, Western Regional Chapter of the American Environmental Health Association Conference, (February 3, 2009).

Merem, E. C. and Wesley, J. “*Neighborhood associations: A cross-neighborhood comparison,”* abstract, Urban Affairs 34th Annual Meeting, (March 2009).

Merem, E. C., Wesley, J., and Robinson, B. *“The use of spatial technologies in the management of natural areas within the urban environment,”* abstract, 47th International Making Cities Livable Conference, (May 10-13, 2009).

       Merem, E. C. and Twumasi, Y. A. *“The application of spatial information technologies in international watershed management,”* abstract, accepted and presented at the 4th International Conference on the Latest Advances in Environmental Health, (September 14, 2008).

       Merem, E. C. and Yemerill, S. *“Geospatial information analysis of land use change in southern Alabama,”* abstract, accepted and presented at the Annual Conference of the Western Chapter of the American Association of Environmental Health, (March 2008).

 Merem, E. C. *“The applications of geospatial information systems in the analysis of pollution abatement trends in southern Mississippi,”* abstract, accepted and presented at the Ecocity World Summit, (April 24-26, 2008).

Merem, E. C. and Twumasi, Y. A. *“Applying GIS and remote sensing as monitoring tools in multinational watershed management the case of the Senegal River Basin of West Africa,”* abstract, accepted and presented at the Sixth National Monitoring Conference, (May 18-22, 2008).

Merem, E. C. *“The applications of geo-information tools in agro-watershed management and analysis the case of mid-atlantic region,”* abstract, accepted and presented at UDSA-CRESS National Water Conference, (February 3-7, 2008).

Merem, E. C. and Yeremelli, S. (2008, June). *The contribution of agriculture to climate change in mississippi*. *Climate Information for Management Risks CIMR.* Poster/Paper abstract presented and accepted Aa International Symposium of the University of Florida, St Pete Beach, FL.

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Merem, E. C., Twumasi, Y. A., Osei, A., Manu, A., and Coleman, T. L.*“Using GIS and Remote Sensing In Land Use Assessment: The Case of Eastern Nigeria,”* abstract,  4th International Conference of the African Soil Science Society (ASSS), Institute of Management and Public Administration, (January 7-13, 2007).

Merem, E. C. and Twumasi, Y. A. “*GIS and remote sensing application in the conservation of water bodies: The case of Pearl River watershed in Mississippi,”* abstract, USDA-CRESS Annual National Water Conference, (January 28 - February 1, 2007).

Merem, E. C.and Twumasi, Y. A. and Taylor, C. *“The analysis of agro-environmental ethics among black farmers,”* abstract, Black Environmental Thought Conference, Tuskegee University, (May 22-24, 2007).

Merem, E. C. and Twumasi, Y. A. *“Geospatial information systems assessment of environmental change in Georgia,”* abstract, 17th Annual Meeting of the National Association for Environmental Health and Sciences, (March, 2007).

Merem, E. C. and Twumasi, Y. A. *“Using geospatial information system in watershed  management: The case of Yazoo River watershed in Mississippi,”* abstract, 2nd National Conference on Ecosystem Restoration, (April 22-27, 2007).

Merem, E. C., Twumasi, Y. A., Coleman, T. L., and Manu, A. *“Mapping seasonal flooding in sub-saharan Africa using temporal remote sensing data,”* abstract, American Society for the Photogrammetry and RemoteSensing (ACSM-ASPRS) Annual Convention and Exhibition, (May 7-11, 2007).

Merem, E. C. and Twumasi, Y. A. *“Using GIS and remote sensing in the assessment of  watershed change along southern Mississippi,”* abstract, World  Environmental and Water Resources Congress, (May 15 -19, 2007).

Merem, E. C., Twumasi, Y. A., Manu, A., Coleman, T. L., Amamoo-Otchere, E., Petja, B. M.  and Osei, A. *“Climate Change and Biodiversity in Tropical Africa Rain Forests,”* abstract, accepted First International Conference on Environmental Research, Technology, and Policy: Building Tools and Capacities for Sustainable Production,  (July 16-19, 2007).

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Merem, E. C. *“Environmental accounting for oil and natural gas in Texas, Louisiana and Mississippi from 1967-2000,"*  abstract, presented and accepted at the Jackson State University Center for University Scholars during the Jackson State University Annual Symposium Faculty Scholars, (November 4, 2004).

Merem, E. C. and Twumasi, Y. A*. “Deforestation and GIS application to forest management in Nigeria,”* abstract, accepted at the 5th Annual Meeting of the African Association of Remote Sensing of the Environment, (October 19, 2004).

Merem, E. C. and Twumasi, Y. A. (2004, September).  *GIS applications in land management: The loss of high quality land to land development in central Mississippi from 1987-2002.*  Poster paper abstract presented and accepted at the First International Symposium on Recent Advances in Environmental Health Research, Jackson, MS.

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Merem, E. C. and Twumasi, Y. A. *“Analysis of trends on forested land areas: The case of Mississippi,”* abstract presented and accepted at the Annual Meeting of the Alabama Academy of Sciences, University of Montevallo, (March 19, 2004).

Merem, E. C. and Twumasi, Y. A. *“The environmental initiatives of community based development organizations: the case of the federation of southern cooperatives of Alabama,”* abstract, presented and accepted at the Annual Meeting of the Alabama Academy of Sciences, Jacksonville State University, (March 22, 2003).

William, H. and Merem, E. C. *“African American economic imagination a dream deferred,”* abstract, presented and accepted  at 26th Annual Meeting of Black Studies Conference, Olive Harvey College, (April 2003).

Merem, E. C. *“Application of environmental accounting in Canada’s oil industry,”* abstract, presented and accepted at the Annual Meeting of the Environmental Studies Association of Canada, (June 1998).

**Research Fellowship, Grants and Awards**

     Merem, E. C. and Wesley, J. (2019, March). *Assessing Geothermal Energy Potentials in The Western Region of the US With GIS*. Title III research grant funded by JSU Center for University Scholars. Amount awarded, $1,200.  Paper Presented at the 27th Annual AEHS Conference. San Diego, CA.   March 19-22, 2019

      Merem, E. C. and Wesley, J. (2018, March). *Regional Assessment of Climate Change Hazards in Southern Nigeria with GIS*. Title III research grant funded by JSU Center for University Scholars. Amount awarded, $1,200.  Paper Presented at the 26th Annual AEHS Conference. San Diego, CA.   March 19-22, 2018

Merem, E. C. and Wesley, J. *Assessing the Effects of Fuel Based Lighting: the Case of Kerosene Disasters in Nigeria*. Title III research grant funded by JSU Center for University Scholars. Amount awarded, $1,200.   Paper Presented at the 25th Annual AEHS Conference*.* San Diego, CA,   March 19-22, 2017.

Merem, E. C. and Wesley, J. “Analyzing Water Management Issues Using GIS in West Africa the Case of Nigeria”. Title III research grant funded by JSU Center for University Scholars. Amount awarded, $1,200.  Paper Presented at the 10th National Water Quality Association Conference NWAQC. Tampa, FL, May 1-4, 2016.

Merem, E. C. and Wesley, J. “The Growing Issue of Mercury Exposure in the African American Community.” Title III research grant funded by JSU Center for University Scholars. Amount awarded, $1,200.   Paper presented at 23rd Joint Conference of National Association of African American Studies (NAAS), Baton Rouge, LA, February 9-14, 2015.

Merem, E. C. and Wesley, J. “GIS Assessment of the Ecological Impacts of Farm Landscape Change in South Carolina Lower Region.” Title III research grant funded by   JSU Center for University Scholars. Amount award, $1,200.   Paper presented at the National Water Quality Association Conference NWAQC, Cincinnati, OH, April 28- May 2, 2014.

Merem, E. C.  DHS Scientific Leadership Awards For Minority Serving Institutions Granting Bachelors’ Degrees.  Project in the Department of Biology. Amount awarded, $2,000.  July of 2012.

Merem, E. C. Isokepechi, E., and others. “Scientific Leadership in Quantitative Microbial Risk Assessment." Amount awarded, $500,000 (collaborator).  September 1, 2011 to August 31, 2014.

Merem, E. C. “Environmental History of African Americans: The Case of Mining Towns and African Americans”.  Funded research through the Office of the College Dean. Amount awarded, $ 500. The 20th Annual National Association of African American Studies and Affiliates NAAAS Conference, Baton Rouge, LA, February 13-18, 2012.

Merem, E. C. “Using GIS to Analyze the Changing Agricultural Landscape of Southern Louisiana.” Title III research grant funded by the JSU Center for University Scholars. Amount awarded $1,200.  National Water Quality Association Conference NWAQC, Portland, OR, April 2012.

Merem, E. C. “Using Climate Risk Information in Assessing the Vulnerability of Coastal Areas In The Southeast:  The Case of Louisiana and Mississippi.” Title III research grant funded by JSU Center for University for Scholars. Amount awarded, $1,250.  CIMRI Conference, Orlando, FL, May 24-27 2011.

Merem, E. C. “The Analysis of Brownfields Land Reuse Programs: The State of Mississippi.” Amount awarded, $1,120. Research  funded  by the US EPA and the  Institute For  Environmental Studies of the University of  Massachusetts at Amherst  for  the  International Sustainable  Remediation Conference, Amherst,  MA,  June 1-3, 2011.

Merem, E. C. Researcher of the Year Award Fund from College of Public Service, Jackson State University for Outstanding Achievements in Research. Amount awarded, $500. Redeemed for Faculty and Student Conference Research, Jackson, MS, April 2011.

Merem, E. C. “Analyzing the Effects of Human Activities on Agricultural watersheds in Southern Texas.”  Title III research grant funded by JSU Center for University Scholars.  Amount awarded, $1,250.  2010 Land Grant and Sea Grant National Water Conference, Hilton Head, SC, February 21-25, 2010.

Merem, E. C. and the Southern Regional Group. “Evaluation of State Water Plans in the Southern Region.” Amount, $44,102. Federal grant submitted to the USDA, 2010.

Merem, E. C. and the Southern Regional Group. “Residential Water Conservation Strategies Regional Outreach Program.” Amount, $44,253.  Federal grant submitted to the USDA, 2010.

Merem, E. C. “Climate Change Education for High Schools in Central Mississippi.”  Amount $20,000. Federal grant submitted to NASA Federal.

Merem, E. C. and Twumasi, Y. A. “Improved Understanding of the Niger Delta Environment.” Amount $450,000. Federal grant submitted to the US National Geospatial Intelligence Agency (NGA) and the National Space Research and Development Agency (NARSDA), Nigeria, 2010.

Merem, E. C.  Researcher of the Year Award, College of Public Service Jackson State University for Outstanding Achievements in Research 2006\2007 Year, Jackson MS, May 9, 2008.

Merem, E. C.  Researcher of the Year Award, College of Public Service Jackson State University for Outstanding Achievements in Research, Jackson, MS, May 12, 2006.

Merem, E. C.  Researcher of the Year Award, College of Public Service Jackson State University for Outstanding Achievements in Research, Jackson, MS, April 2005, (Amount awarded, $200).

Merem, E. C.  “African Americans in the Annals of American Environmentalism” Fellowship research proposal submitted to Fletcher Foundation, Boston, MA, October 2004.

Merem, E. C.  “Environmental Accounting for Oil and Natural Gas in Texas, Louisiana and Mississippi from 1967-2000," Award winning research proposal funded by the Jackson State University Summer University Scholars Program, Jackson, MS, April 2005, (Amount awarded, $8,000).

Merem, E. C. “The Regional Planning Aspects of the Methodology in the Ghana Project” Joint federal grant proposal submitted to the Millennium Development Agency of Ghana MDA, Accra, June 2007, (Amount, $1,000,000).

Merem, E. C. “GIS and Remote Sensing Applications in watershed management in Sub Saharan Africa,” Grant scholarship offered by the U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS), Sioux Falls, SD, September 2005,

 (Amount, $1,700).

Merem, E. C.  “Using Geo-Spatial Information Systems as Decision Support Tool in Agricultural Education: The Case of Agricultural Land Use Monitoring in the Ottawa Region and Central Mississippi,”  Symposium Grant from the USDA for the Agricultural GIS Education Symposium Pismo Beach, San Louis Obispo, CA, January 20, 2006, (Amount, $1,600).

Merem, E. C. “The Analysis of Agro-Environmental Ethics Among Black Farmers,” funded through the Faculty Development Fund That Covered the Black Environmental Thought Conference, Tuskegee University, Aurbon, AL, May 22-24, 2007, (Amount, $500).

Merem, E. C. Technical Adviser and Co Grant Writer:  “Youth Development: A Deterrent to Violence and Juvenile Crime,” for a non-profit organization, Mississippi Action for the Poor (MAP), Jackson, MS, Fall 2003.

Merem, E. C. and Twumasi, Y. A. “Observation and Longterm Monitoring  of Coastal  Environments of Mississippi  and Alabama Using Geospatial  Information  Science,” DOE National Institute for Climate Change Research Proposal, Huntsville, AL, 2006.

Merem, E. C. and Twumasi, Y. A.  “GIS and Remote Sensing Application  in the Assessment of Change Within a Coastal Environment in the Niger Delta  Region of Nigeria, Huntsville, Alabama,” research funded in part by Alabama A&M University  Center for Hydrology and Remote Sensing HSCaRS Center through the National Aeronautics and  Space Administration  NASA Grant Number NAGS-10721, Journal no. 582, Huntsville, Alabama, 2006, (Amount, $5,373,571).

Merem, E. C. and Twumasi, Y. A. “GIS Based  Analysis  of  Growth  Management  and Environmental Decline of the Central Mississippi Region Huntsville Alabama,” research funded in part by Alabama A&M University Center for Hydrology  and  Remote Sensing HSCaRS Center Through the National Aeronautics and Space Administration NASA Grant Number NAGS-10721, Journal no. 595, Huntsville, AL, 2004, (Amount, $5,373,571).

Merem, E. C.  “Landlessness in the Black Farming Community: The Way Out,” research grant funded by the University of Wisconsin-Madison Land Tenure Center’s North American Program, Madison, WI, May 25, 2004, (Amount, $1,400).

**Session Rapporteur/ Discussant:**

 Rapporteur: “Facility Design for Pedestrian Safety”

 The Pedestrian Safety Conference of the Department of Geography, University of Ottawa and the Regional Municipality of Ottawa-Carleton, Ottawa ONT. April 1996.

 Discussant: “Public and Private Benefits and Costs on the Federal Community Pastures” A Summary of Stakeholders’ Panel Discussion. Department of Agriculture and Agri-Food Canada and the Prairie Farm Rehabilitation Administration, Department of Agricultural Economics, University of Saskatchewan, Saskatoon, SK, June 5, 2002.

 Conference Session Moderator in the 1st Student Planning Conference, Emerging Issues in Southern Cities: in Jackson, MS, March 25-26, 2011.

 Community Forum Moderator, “A Place Based Approach for Environmental Justice and Equitable Development” by Carlton Eley. Organized by the Department of Urban and Regional Planning, Jackson State University and The APA Mississippi Chapter. Jackson, MS, November 19, 2010.

**Professional Positions:**

Research Assistant, Department of Urban and Regional Planning, Jackson State               University, Jackson, MS, January 2003-August 2003.

Assistant Professor, Department of Urban and Regional Planning, Jackson State                               University, Jackson, MS, August 2003-2008.

Associate Professor, Department of Urban and Regional Planning, Jackson State                               University, Jackson, MS, August 2008- 2013

Full Professor, tenured, Department of Urban and Regional Planning, Jackson State                               University, Jackson, MS, August 2013- present

Undergraduate Program Advisor in Urban Affairs, Department of Urban and                                 Regional Planning, Jackson State University, Jackson, MS, August 2003-2004.

Master’s Degree  Program Advisor in Urban and Regional Planning, Department of Urban and Regional Planning, Jackson State University, Jackson, MS, August 2005-2006.

Faculty Member, Executive PhD Program in Urban Education, Jake Ayers Research  Center, Jackson State University, Jackson, MS, January 2004.

Resident PhD Comprehensive Exam Curriculum Reviewer, Department of Urban and               Regional Planning, Jackson State University, Jackson, MS, January 2004-

Former Student Representative, Mississippi Chapter of the American Planning          Association (MAPA), Jackson, MS, 2002-2003.

PhD Program Coordinator and Advisor, Department of Urban and Regional Planning, Jackson State University, Jackson, MS, August 2006-August 2012.

Associate Editor for Climate Change and Environment, *International Journal of Scientific Research and Reports* under the Science Domain, August 2012.

Invited Reviewer, *International Journal of Scientific Research and Reports,* August 2012.

Editorial Board Member, *British Journal of Education, Society and Behavioral Sciences,* February 2012.

Invited Reviewer, *British Journal of Education, Society and Behavioral Sciences,* February 2012.

Invited *Reviewer, International Journal of Applied Water Science,* June 2012.

Invited Reviewer, *International Journal of Anthropology and Society,* 2012.

Invited Reviewer, *International Journal of Physical Sciences,* 2012.

Invited Reviewer, *British Journal of Environment and Climate Change,* 2012.

Invited Reviewer, *Journal of Applied Geography,* 2011.

Invited Academic Journal Reviewer,  *Journal of Applied Remote Sensing,* 2009.

Invited Academic Journal Reviewer, *Journal of Journal of Arid Environment,* 2009.

Invited Academic Journal Reviewer, *Polish Journal of the Environment,* 2009.

Invited Academic Journal Reviewer, *Journal of Environmental Monitoring and Assessment Sciences,* 2009.

Invited Academic Journal Reviewer and Editorial Board Member, *Open Demography Journal,* 2008-

Invited Journal Reviewer, *Pakistani Journal of Sciences,* 2008.

Invited Academic Journal Reviewer, *International Journal of the Chemosphere*, 2007.

Academic Journal Reviewer, *International Journal of the Latest Advances in Environmental Health,* 2007–present.

Book/Manuscript Reviewer: Urban Neighborhood Revitalization and Heritage Conservation the Architecture of Urban Redesign, by Chukwunyere Ugochukuwu, for Edwin Mellen Press, NY, 2006.

Invited Book Manuscript Reviewer, Edwin Mellen Press, NY, 2011.

Invited Session Moderator, 1st Student Planning Conference, Emerging Issues in Southern Cities, Jackson. MS, March 25-26, 2011.

Community Forum Moderator during the Community Issues Forum “A Place Based  Approach for Environmental Justice  and Equitable Development,” by Carlton  Eley. Organized by the Department of Urban and Regional Planning, Jackson State University and the APA Mississippi Chapter, Jackson, MS, November 19, 2010.

Invited Session Organizer, 12th World Multi-Conference on Systemics, Cybernetics and Informatics, Orlando, FL, June 20, 2008.

Annual Science Fair Judge, Mississippi Region Annual Science, Engineering and Technology Fair, since 2009.

Invited Faculty Dissertation Committee Member, Technical University of Stuggart, Germany.

 Environmental Analyst, Environment Bureau, Agriculture and Agri-Food Canada,                                          Ottawa ONT, April 2002-October 2002.

Teaching Assistant, University of Ottawa, Department of Geography, Ottawa, ONT,                           January 1996-April 2001.

 Research Assistant, University of Ottawa, Institute for Environment and Economy, Ottawa,                          ONT, January 1996-June 1997.

 Teaching Assistant, York University, Department of Sociology, North York, ONT,                                     September 1994-April 1995.

Graduate Assistant, York University, Faculty of Environmental Studies, Office of the Dean                         North York, ONT, September 1993-August 1994.

**Professional Memberships**:

Member of the American Planners Association (APA)

Member of the Mississippi Chapter of American Planners Association (MAPA)

Member of the Energy, Natural Resources and the Environment Group of APA

Member American Association of Collegiate Schools of Planning (ACSP)

**University and Community Service:**

Member of Various PhD Dissertation Committees, Department of Urban and Regional Planning Jackson State University Jackson, MS, August 2003-

Departmental Senate Representative, JSU Faculty Senate 2007 – Present

PhD Dissertation Panelist and Examiner, during the Defense of “Environmental Justice and Public Participation: An Examination of Public Involvement and Environmental Permitting of Municipal Solid Waste Landfills In Mississippi: 1997-2002," by Joan Wesley.  Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, June 2004.

PhD Dissertation Panelist and Examiner, during the Defense of “Culture/Heritage Conservation and Neighborhood Revitalization in the Urban Design Context: Context Patterns In Spatial Forms,” by Chukwunyere Ugochukwu. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, December 2004.

PhD Dissertation Panelist and Examiner, in the Defense of “Black Female Planners Factors Influencing Their Decision to Enter the Planning Profession,” by Laronda Odum. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, April 2005.

PhD Dissertation Panelist and Examiner, during the Defense of “Beyond Williamsburg: The Juxtaposition of Historic Preservation and Community Development in the African American Community,” by Kim Hillard. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, January 2007.

PhD Dissertation Panelist and Examiner, in the Defense of “Individual Development Accounts (IDAs) As an Asset Building Tool for Moving People Out of Poverty,” by Angela Gobar. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, May 2008.

PhD Dissertation Panelist, Examiner, and Committee Chair, in the Defense of “The Restoration of Rocky Mountain Arsenal Habitat,” by Romorno Corney. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, December/April 2008.

PhD Dissertation Panelist, Examiner and Committee Chair, in the Defense of “Urban Economic Development: The Impact of Economic Variations  On Recruiting  and Retaining Industrial Businesses In Birmingham,  AL; Jackson, MS and Memphis, TN from 1990-2000 Census.”  Dissertation Proposal submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, December 2009.

PhD Dissertation Panelist and Examiner, in the Defense of “Job Creation and Retention: An Analysis of the Mid Delta Empowerment Zone,” by Rodney Beck. Dissertation Proposal submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, November 2010.

PhD Dissertation Panelist, Examiner  and Committee Chair, in the Defense of “The Restoration of Rocky Mountain Arsenal Habitat,” by Romorno Corney. Dissertation  Proposal submitted to the Graduate School, Jackson State University in partial fulfillment of the Requirements for Degree of Doctor of Philosophy, December, April 2012.

PhD Dissertation Panelist, Examiner and Committee Co- Chair, in the Defense of  “The Role of the Three Community Development Corporations in the Revitalization  of  Housing  in New Orleans Louisiana’s Lower Ninth Ward Post Katrina,” by Gary Crosby. Dissertation defended and submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, April 2012.

PhD Dissertation Panelist and Examiner, in the Defense of “Historic Preservation: Advocating Tax Credits to Assist in Alleviating Housing Crisis,” by Dafine Forster. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, November 2012.

PhD Dissertation Panelist and  Examiner, in the Defense of “Recidivism Programs For Offenders,” by Jonny Amasa-Annang. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, September 2012.

MA Thesis Panelist, Examiner, Committee Chair, in the Defense of “Using Smart Growth to Develop Sustainable Retirement Communities in Mississippi,” by Akili Kelley. Thesis defended and submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Master Degree in Urban Planning   December 2012.

PhD Dissertation Panelist, Examiner and Committee Chair, in the Defense of “The Analysis of the Importance Indigenous Knowledge: The Case of Nicaragua Latin America,” by Ericilia Dometz.  Dissertation Proposal still in progress for   the Graduate School, Jackson State University towards partial fulfillment of the requirements for Degree of Doctor of Philosophy, December, April 2013.

 PhD Dissertation Panelist, Examiner and Committee Chair,  “The Analysis of  the Social Determinants of Obesity; The Case of Mississippi,” by Audrey White.Dissertation Proposal still in progress for  the Graduate School ,  Jackson State University towards partial fulfillment of the requirements for Degree of Doctor of Philosophy, December April 2013.

PhD Dissertation Panelist and Examiner, in the Defense of “Female Ex-Offenders and Their Unique Challenges in Their Search for Community and Housing in Central Mississippi,” by Valerie Purry.  Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, March 2013.

PhD Dissertation Panelist and  Examiner, in the Defense of “Urban Slums to Thriving Urban Centers: The Impact of Queer Space in East Atlanta Village, Midtown, Little Five Points, and Inman Park” Neighborhoods in Atlanta, Georgia,” by Jasmine Williams- Washington. Dissertation submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, September 2016.

PhD Dissertation Panelist and  Examiner, in the Defense of “A Study of The Role of Selected Urban Parks for Flash Flood Mitigation: A case of Tucson Arizona, 2011-2016,” by Mercy Shenge. Dissertation proposal submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, January 2017.

PhD Dissertation Panelist, Examiner, Committee Chair and Supervisor, in the Defense of “Analyzing Foreclosure Trends of the Southern Region of California from 2008 to 2015,” by Erica Green. Dissertation proposal  to be submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, April 2017.

PhD Dissertation Panelist and  Examiner, in the Defense of “Faces of Displacement: Inquiry Into Experiences Using Two Case Studies, ” by Jessica Davies. Dissertation proposal Defended and  to be submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, June  2017.

PhD Dissertation Panelist, Examiner, in the Defense of “ Spatial Patterns in the Distribution of Salt Marsh Soil Carbon Stocks: Case Study of Grand Bay Nerr ,” by Erica Gulledge . Dissertation Defended and submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, October 2017.

PhD Dissertation Panelist, Examiner, in the Defense of “ Spatial Patterns and Temporal Dynamics of Juncus Roemerianus Dominated Wetland Vegetation   Characteristics and Carbon Stocks of Grand Bay National Estuarine Research Reserve, ” by Taimei Harris. Dissertation Defended and  submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, October 2017.

PhD Dissertation Panelist, Examiner, in the Defense of “A Transboundary Spatial Analysis of the Impact of Land Use on Water Conditions within the Apalachicola Chattahoochee Flint River Basin,” by Bennetta Robinson. Dissertation Defended and submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, November 2017.

PhD Dissertation Panelist, Examiner, in the Defense of “Reduced Carl Perkins Fundings and its Impact  On  Career and Technical  Education For Minority  Student  Populations In  Mississippi,” by Jacqueline Sullivan. Dissertation  Dfended and submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, November 2017.

PhD Dissertation Panelist, Examiner, Committee Chair and  Supervisor, in the Defense of “Political Corruption, Unethical Planning Practices, Lower Quality of Life April” by Rod Guy . Dissertation Defended and  to be submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, April 2018.

PhD Dissertation Panelist and Examiner  in the Defense of “The Resurgence of Urban Planning: A Responsive Strategy to Addressing Crime in the Wake of Natural Disasters, Hurricane Katrina (1995-2015),” by Kiehsel Jones . Dissertation Defended and  to be submitted to the Graduate School, Jackson State University in partial fulfillment of the requirements for Degree of Doctor of Philosophy, April 2018.

Advisor and Patron, African Students Association, Jackson State University, Fall of 2003- Present.

Member Academic Affairs New Academy Advisory Group representing the College of Public Service, Jackson State University, Spring 2008-2009.

Member College of Public Service Strategic Planning Committee representing the School of Policy and Planning, Jackson State University, Spring 2008-2009.

Member College of Public Service Doctoral Dissertation Quality Review Committee representing the School of Policy and Planning, Jackson State University, Spring 2008- present.

Member Academic Affairs Outstanding Achievement Award Committee representing the College of Public Service, Jackson State University, Fall 2008-2009.

Member University Scholarship Committee representing the College of Public Service, Jackson State University, Fall 2007-2008.

Member University Wide Committee on the Development of African Studies Curriculum for Teaching, Jackson State University, Spring 2007.

Member Faculty Tenure and Promotion Committee, College of Public Service, 2009, 2012, and 2013.

Member Faculty Tenure and Promotion Committee, Department of Urban and Regional Planning, 2008, 2009, 2012, and 2013.

Member, Faculty Tenure and Promotion Committee, Department of Public Health Policy and Administration, 2008.

Member, Faculty Tenure and Promotion Committee, Department of Public Policy and Administration, 2008.

Team Leader and Reviewer, Department of Urban and Regional Planning during the Planning Board Accreditation Site Visit in 2008 and 2009.

Faculty Senate Representative, Department of Urban and Regional Planning, Jackson State University Jackson, MS, August 2006/2007 – Present.

Faculty Member, University Grievances Committee, School of Policy and Planning, Jackson State University, Jackson, MS, August 2006-August 2007, and 2012/2013.

Chair, Faculty Admission Committee, Jackson State University, Department of Urban and Regional Planning, Jackson State Jackson, MS, August 2006/2007.

Chair, Faculty Search Committee on New Professors, Spring 2006 – Present.

Member, Faculty Search Committee in charge of screening applications for the Department’s Interim Chair, Spring 2006.

Faculty Member, E-city Committee and Advisor on Environmental Impact Assessment,

 Department of Urban and Regional Planning, Jackson State University, Jackson, MS, August 2003-04.

School Representative, College Articulation Agreement Workgroup for Mississippi Board of Trustees of State Institutions of Higher Learning and the Mississippi State Board for Community and Junior Colleges. School of Policy and Planning, Jackson State University, Jackson, MS, Fall 2003-04.

Member, Higher Education Appreciation Day Working for Academic Excellence                               (HEADWAE) Awards Committee, Jackson State University Jackson, College of                                        Public Service, Jackson, MS, August 2003-2004.

Analyst and Faculty Member, Fonderen Community Pedestrian Safety and Transportation Survey Team, Jackson State University, Department of Urban and Regional Planning.

Chair Faculty PhD Comprehensive Exam Committee, Jackson State University, Department of Urban and Regional Planning, Jackson, MS, September 2005-present.

Technical Adviser and Co Grant Writer, “Youth Development: A Deterrent to Violence and   Juvenile Crime,” for a non-profit organization, Mississippi Action for the Poor (MAP), Jackson, MS, Fall 2003

Judge, Annual Science Contest, Davis Magnet School, Jackson, MS, Fall 2002 and Spring 2005.

Judge, Annual Science and Engineering Fair for Mississippi High School Students on behalf College of Engineering and Science, Jackson, MS, Spring 2009- present.

Member U.S. Geological Survey (USGS) Earth Resources Observation and Science (EROS) Scientific Consortium on the Application of Remote Sensing Technologies in Teaching and Research Activities, Sioux Falls, SD, September 2005-

**Languages:**

 English

 Italian

 Spanish

 Igbo

 Yoruba

 French

 **Computer Skill:**

 Word Perfect

 Excel 2010

 Arc GIS

 SPSS

**Interests:**

 Soccer

 Boxing

 Reading

 Writing

 Traveling

  Socio-Linguistics

 Geo-strategy

**References:**

       Yaw A. Twumasi

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       College of Agricultural, Family and Consumer Sciences

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