

**Foday Moriba Jaward, PhD**  
**Curriculum Vitae – February 2017**

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Department of Environmental and Occupational Health,  
College of Public Health, University of South Florida, MDC 56,  
13201 Bruce B. Downs Blvd, Tampa, FL 33612  
PHONE: (813) 396-9431 FAX: (813) 974-4986 E-mail: [fjaward@health.usf.edu](mailto:fjaward@health.usf.edu)

**EDUCATION**

- Oct. 2000 – Jun. 2004      PhD, Environmental Chemistry  
Department of Environmental and Natural Sciences  
Lancaster University, Lancaster, United Kingdom
- Oct. 1994 – Mar. 1996      MSc, Environmental Science (*Summa cum laude*)  
IHE/Utrecht University, Netherlands
- Oct. 1986 – Jun. 1991      BSc (Honours), Chemistry  
Fourah Bay College  
University of Sierra Leone, Sierra Leone

**PROFESSIONAL EXPERIENCE**

- August 2013 – *Present*      **Associate Professor**  
Dept. of Environmental & Occupational Health,  
College of Public Health, University of South Florida,  
Tampa Florida
- May 2006 – August 2013      **Assistant Professor**  
Dept. of Environmental & Occupational Health,  
College of Public Health, University of South Florida,  
Tampa Florida
- Aug. 2005 – Apr. 2006      **Adjunct Faculty**  
Houston Community College  
Houston, Texas
- Jul. 2004 – Jul. 2005      **Postdoctoral Research Fellow**  
Department of Environmental and Natural Sciences  
Lancaster University, UK
- Oct. 2000 – May 2004      **Teaching Assistant**  
Lancaster University  
Department of Environmental and Natural Sciences  
Lancaster University, UK
- Sep 1998 – Sep. 2000      **Acting Head of Department**  
Department of Chemistry  
Faculty of Environmental Sciences  
Njala University College  
University of Sierra Leone, Sierra Leone

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- Nov. 1996 – Sep. 2000      **Lecturer**  
Department of Chemistry  
Faculty of Environmental Sciences  
Njala University College  
University of Sierra Leone, Sierra Leone
- Apr. 1996 – Nov 1996      **Research Associate**  
University of Utrecht, Netherlands
- Oct. 1991 – Sep. 1994      **Research and Teaching Assistant**  
Department of Chemistry  
Faculty of Environmental Sciences  
Njala University College  
University of Sierra Leone, Sierra Leone

### FUNDED/PENDING PROJECTS

2017-2020 – Principal Investigator: The effect of Indoor Phthalates on children  
Agency: National Institute of Health  
Purpose: To obtain concentrations of phthalates in dust in day centers and to estimate the human non-dietary exposure among children 3-6 years in Tampa Bay region, and to determine the effects of exposure on the behavioral health and developmental status of the child based on the socioeconomic status of the parents  
Amount: \$151,250  
Status: Pending

2015-2017 – Principal Investigator: The effect of Indoor Phthalates on children  
Agency: USF Creative Scholarship Grant  
Purpose: To obtain concentrations of phthalates in dust in day centers and to estimate the human non-dietary exposure among children 3-6 years in Tampa Bay region – a pilot study.  
Amount: \$10,000  
Status: On going

2011 - Principal Investigator: Instrument Grant to purchase a GC with dual MS and FID Injector capabilities Agency/Award: USF College of Public Health  
Purpose: To provide training, research and professional development for students, staff and faculty  
Amount: \$ 99, 500.  
Status: Completed

2011-2012 – Co-Principal Investigator: Evaluation of health programs and parameters in a watershed in Panama.  
Agency: USF College of Public Health Interdisciplinary Research Program  
Purpose: The purpose of this proposal is to develop research and academic programs based at the City of Knowledge in Panama that build upon current USF Health programs and initiate an interdisciplinary program integrating health, environment/ ecology, climate change and social medicine as a model for the Caribbean and Latin America (project moved to Costa Rica for security reasons)  
Principal Investigator: Dr. Thomas Crisman. .  
Amount: \$100,000.  
Status: Completed

2009-2012 - Participant: REU: Tampa Interdisciplinary Environmental Research (TIER)

Agency: National Science Foundation (NSF)

Purpose: To provide training, research and professional development for undergraduate students.

Principal Investigator: Dr. Maya Trotz.

Amount: \$ 300, 000.

Status: Completed

2009-2011 – Participant: IRES: Sustainable clean water technologies for the UN's Millennium Development Goals - a partnership between UNESCO-IHE (Delft, the Netherlands) and University of South Florida.

Agency: NSF

Purpose: Training students to use sustainable technologies to help solve the global water crisis.

Principal Investigator: Dr. Daniel Yeh

Amount: \$ 300, 000.

Status; Completed

2007-2008 – Principal Investigator: Passive Sampling Survey of polybrominated diphenyl ethers in Indoor and Outdoor Air in the Tampa Bay Area

Agency: The National Institute for Occupational Safety and Health (NIOSH)

Purpose: Determination of Potential Exposure of Office Workers in the Tampa Bay Area to Polybrominated Diphenyl Ethers (PBDEs) Using Passive Samplers

Amount: \$ 12, 500

Status: Completed

2007-2009 – Co-Principal Investigator: Towards Sustainable Healthy Communities (USF): Communicating Science and Risks of Emerging Microconstituents in Reclaimed Water

Agency: USF/Florida State funded

Purpose: To examine how risks (both real and perceived) associated with micropollutants in reclaimed water may be managed through the integration of scientific research and technology with strategic communication to the public.

Principal Investigator: Jeff Cunningham

Amount: \$ 392, 000

Status: Completed

### **UNFUNDED PROJECTS**

2014 – 2017 - Principal Investigator: Creating a critical mass of expertise and infrastructure in Iraq towards a national surveillance system of persistent organic pollutants

Agency: Iraq Ministry of Environment

Amount 525,000.00

Status: Funding withheld due to the unrest in Iraq.

2014-2017 – Participant: Technical Environmental Services in Support of Restoration Strategies Science Plan

Agency: State of Florida

Amount: 3,000,000

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2012 – Principal Investigator: Assessing the relationship between long-term exposure to fine particulate matter (PM2.5 and PM10) and lung cancer and cardiopulmonary mortality using measurement and remote sensing technique  
Agency/Award: USF College of Public Health Early Career Award  
Purpose: Research and professional development  
Amount: \$15,000.

2010 – Principal Investigator: Persistent Organic Pollutants in the Tampa Bay Area: Sources and Transport Pathways  
Agency/Award: USF internal grant  
Purpose: Research and training  
Amount: \$ 49,712

2010 – Co-Principal Investigator: RUI: Modeling input and fluxes of persistent organic pollutants to Tampa Bay: A vehicle for undergraduate research  
Agency: NSF  
Purpose: To set up a research program for undergraduates at CLU via a project studying the input and cycling of POPs in Tampa Bay. Principal Investigator: Dr. Henry Alegria  
Amount: \$ 393, 663

2009 – Principal Investigator: MRI Proposal: Acquisition of high-performance LC/MS/MS instrumentation for the detection, identification, and quantitation of trace organic pollutants in natural and engineered environmental systems  
Agency: NSF  
Purpose: Major Research Instrumentation Program  
Principal Investigator: Dr. Jeff Cunningham  
Amount: \$ 228,000

2010 – Co-Principal Investigator: Advancing STEM Communication through Interdisciplinary Research on the Science and Risks of Emerging Microconstituents in Reclaimed Water  
Agency: NSF  
Purpose: Integrative Graduate Education and Research Traineeship (IGERT)  
Principal Investigator: Dr. Jeff Cunningham  
Amount: \$310, 151

2010 - Co-Principal Investigator: Scientific foundation for decision-making on strategic resource investment in, and implementation of, a reliable, resilient, sustainable portfolio of water infrastructure.  
Agency: NSF  
Purpose: The overarching goal of this project is to provide analytical support for research on more reliable, resilient, and sustainable water infrastructure systems, with special emphasis on how infrastructure deployment impacts hydrological and nutrient cycles, consumption of energy and material resources, and the fate of emerging chemicals of concern.  
Principal Investigator: Dr. Maya Trotz  
Amount: \$300, 000

2008 – Co-Principal Investigator: Integrating Water Resources Access, Education, and Health in the Mara River Basin, Kenya.

Agency: NSF

Purpose: To collect qualitative and quantitative data on the ecological, socio-economic, and health aspects of water resource access, supply, and sanitation in rural Kenyan schools in the Mara Basin; and 2) to collaboratively develop culturally-nuanced environmental education modules that emphasize conservation, improving local health through water treatment, and meeting local water resources challenges.

Principal Investigator: Dr. Rebecca Zarger

Amount: \$310, 151.

## PUBLICATIONS

### Manuscripts in preparation

Jaward, F. M., Alegria, H. A. Simms, K., Simmons, C., Hoare, A Determination of potential exposure of office workers in The Tampa Bay Area to polybrominated diphenyl ethers (PBDEs) using passive samplers.

Simms, J., Jaward, F. M. Determination of PBDEs in dryer lint.

### Manuscripts in review

Basso, J. T., Alegria, H. A., Jaward, F. M., Geiger, S. P., Meindl, C. F. Using Bivalves to Assess Levels of Persistent Organic Pollutants in Tampa Bay, FL, USA. Submitted to the Scientific World Journal.

Alegria, H. A, Jaward, F. M. Galindo Reyes J G. pesticide contamination of agricultural workers in north-central Sinaloa, Mexico and possible evidence of toxic effects. *Archives of Environmental Contamination and Toxicology*.

Barrett K. S. C., Lawrence, A., Jaward, F. M. African Saharan dust: Exposure analysis for the US Virgin Islands. *American Journal of Public Health*.

### Peer-reviewed publications

Galindo Reyes, J. G., Rodríguez, G. R. G., Osuna, M. C. C., Jaward, F. M. (2014) Bioaccumulation and evidence of hormonal disruptions in tilapia fish (*Oreochromis spp.*) exposed to sub-lethal concentrations of pesticides in Sinaloa, Mexico. *International Journal of Biochemistry Research and Review*. 4 (4), 333-343.

Jaward, F. M., Galindo Reyes, J. G., Alegria, H. A. Levels of selected polycyclic aromatic hydrocarbons from an estuary in Sinaloa, Mexico and their toxicological effects on crustaceans and fishes. *The Scientific World*. doi:10.1100/2012/687034.

Barrett, K, Jaward, F. M. (2012): A review of endosulfan, dichlorvos, diazinon, and diuron – pesticides used in Jamaica. *International Journal of Environmental Health Research*, doi:10.1080/09603123.2012.667794.

Salihu, H. M., August, E. M., Mbah, A., Alio, A. P., de Cuba II, R., Jaward, F. M., Berry, E. (2012). Effectiveness of a Federal Healthy Start Program in reducing the impact of particulate air pollutants on feto-infant morbidity outcomes. *Maternal and Child Health Journal*. doi: 10.1007/s10995-011-0854-1.

Gevao, B., Ghadban, A. N., Uddin, S., Jaward, F. M., Bahloul, M., Zafar, J. (2011) Polybrominated diphenyl ethers (PBDEs) in soils along a rural-urban-rural transect: sources, concentration gradients and profiles. *Environmental Pollution* 159,

3666-3672.

- Gevao, B., Jaward, F.M., Uddin, S., Beg, M U., Al-Ghadban, A. N. (2011) Polybrominated diphenyl ethers in three commercially important fish from the northwestern Arabian Gulf: occurrence, concentration, and profiles. *Archives of Environmental Contamination and Toxicology* 60, 636-642.
- Gioia, R., Eckhardt, S., Breivik, K., Jaward, F. M., Prieto, A., Nizzetto, L., Jones, K. C. (2011) Evidence for major emissions of polychlorinated biphenyls (PCBs) in the West African Region. *Environmental Science and Technology* 45, 1349-1355.
- Gevao, B., Jaward, F. M., MacLeod, M., Jones, K. C. (2010) Diurnal fluctuations in polybrominated diphenyl ether concentrations during and after a severe dust storm episode in Kuwait City, Kuwait. *Environmental Science and Technology* 44, 8114-8120.
- Covaci, A., Gheorghe, A., Meijer, S., Jaward, F. M., Jantunen, L., Neels, H., Jones, K. C. (2010) Investigation of source apportioning for  $\alpha$ -HCH using enantioselective analysis. *Environment International* 36, 316-322.
- Gevao, B., Jaward, F. M., Uddin, S., Al-Ghadban, A. N. (2009) Occurrence and concentrations of polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) in coastal marine sediments in Kuwait. *Marine Pollution Bulletin* 58, 452-455.
- Nam, J. J., Thomas, G. O., Jaward, F. M., Steinnes, E., Gustafsson, O., Jones, K. C. (2008) PAHs in background soils from Western Europe: influence of atmospheric deposition and soil organic matter. *Chemosphere* 70, 1596-1602.
- Jaward, F. M., Zhang, G., Nam, J. J., Sweetman, A. J., Obbard, J. P., Kobara, Y., Jones, K. C. (2005) Passive air sampling of PCBs, organochlorine compounds and PBDEs across Asia. *Environmental Science and Technology* 39, 8638-8645.
- Jaward, F. M., Di Guardo, A., Nizzetto, L., Cassani, C., Raffaele, F., Ferretti, R., Jones, K. C. (2005) PCBs and selected organochlorine compounds in Italian mountain air: the influence of altitude and forest ecosystem type. *Environmental Science and Technology* 39, 3455-3463.
- Jurado, E., Jaward, F. M., Lohmann, R., Jones, K. C., Simó, R., Dachs, J. (2005) Wet deposition of persistent organic pollutants to the global oceans. *Environmental Science and Technology* 39, 2426-2435.
- Jurado, E., Jaward, F. M., Lohmann, R., Jones, K. C., Simó, R., Dachs, J. (2004) Atmospheric dry deposition of persistent organic pollutants to the Atlantic and inferences for the global oceans. *Environmental Science and Technology* 38, 5505-5513.
- Lohmann, R., Jaward, F. M., Durham, L., Barber, J. L., Ockenden, W. A., Jones, K. C., Bruhn, R., Lakaschus, S., Dachs, J., Booij, K. (2004) Potential contamination of ship-board air samples by diffusive emissions of PCBs and other organic pollutants: Implications and solutions. *Environmental Science and Technology* 38, 3965-3970.

Jaward, F. M., Barber, J. L., Booij, K., Dachs, J., Lohmann, R., Jones, K. C. (2004) Evidence for dynamic air-water coupling and cycling of persistent organic pollutants over the open Atlantic Ocean. *Environmental Science and Technology* 38, 2617-2625.

Jaward, F. M., Barber, J. L., Booij, K., Jones, K. C. (2004) Spatial distribution of Atmospheric PAHs and PCNs along a north-south Atlantic transect. *Environmental Pollution* 132, 173-181.

Jaward, F. M., Meijer, S. N., Steinnes, E., Thomas, G. O., Jones, K. C. (2004) Further studies on the latitudinal and temporal trends of persistent organic pollutants in Norwegian and UK background air. *Environmental Science and Technology* 38, 2523-2530.

Jaward, F. M., Farrar, N. J., Harner, T., Sweetman, A. J., Jones, K. C. (2004) Passive air sampling of PAHs and PCNs across Europe. *Environmental Toxicology and Chemistry* 23, 1355-1364.

Jaward, F. M., Farrar, N. J., Harner, T., Sweetman, A. J., Jones, K. C. (2004) Passive air sampling of PCBs, PBDEs and organochlorine pesticides across Europe. *Environmental Science and Technology* 38, 34-41.

Jaward, F. M., Farrar, N., Harner, T., Prevedouros, C., Sweetman, A., Jones, K. C. Atmospheric PBDEs and PCNs across Europe: Results of a passive sampling programme. *Organohalogen Compounds*. 2003, 61, 422-425.

Ockenden, W. A., Jaward, F. M., Jones, K. C. (2001) Atmospheric sampling of persistent organic pollutants: Needs, applications and advances in passive air sampling techniques. *The Scientific World* 1, 557-575.

### **Book Chapter**

Gevao, B., Alegria, H., Jaward, F. M., Beg, M. U. (2009) Persistent organic pollutants in The developing World In: *Persistent Organic Pollutants* (ed. Harrad, S) Wiley, pp. 137 – 169.

### **Conference, workshops, and seminar presentations**

Simmons, C., Jaward, F. M., Van Vleet, E. Polybrominated Diphenyl Ethers (PBDEs) in Surface Sediments of Hillsborough Bay, FL. Poster presented at the Florida Pesticide Residue Workshop, St. Petersburg Beach, FL. July 23, 2012.

Simmons, C., Jaward, F. M. Assessing the presence and distribution of polybrominated diphenyl ethers in Hillsborough Bay - a Northeastern Region of Tampa Bay, Florida. American Society of Limnology and Oceanography Aquatic Sciences Meeting, San Juan, PR. February 23, 2011.

Jaward, F. M., Nisbett, R. A., Simmons, C., Soko, B. Preliminary Study of Levels of Selected Persistent Organic Pollutants in Urban Monrovia. EcoHealth, London, August 19, 2010.

Jaward, F. M., Galindo Reyes, J. G., Alegria, H. A. Levels of selected PAHs from an estuary in Sinaloa, Mexico and their toxicological effects on crustaceans and fishes SETAC, New Orleans LA, November 2009.

Alegria, H. A., Jaward, F. M., Galindo Reyes, J. G. pesticide levels in farm workers in Sinaloa, Mexico and possible indicators of toxicological effects SETAC, New Orleans LA, November 2009

Jaward, F. M., Alegria, H. A. Determination of Potential Exposure of Office Workers in the Tampa Bay Area to Polybrominated Diphenyl Ethers (PBDEs) Using Passive Samplers. Platform presentation at SETAC, Tampa FL November 2008

Siegel, S. A., Jaward, F. M., Cunningham, J., Yeh, D., Holtzhausen, D. Communicating the Sciences and Risks of Microconstituents in Reclaimed Water: Meta-Analytical Study. Platform presentation at the American Public Health Association's Annual Meeting in San Diego, California, December 2008.

Siegel, S. A., Jaward, F. M., Cunningham, J., Yeh, D., Holtzhausen, D. Communicating the Sciences and Risks of Microconstituents in Reclaimed Water: Meta-Analytical Study. Poster presented at USF Health Research Day in Tampa, FL. in Oct. 2008.

Risner, A., Cunningham, J., Yeh, D., Holtzhausen, D., Jaward, F. M. Towards Sustainable Healthy Communities: Communicating Science and Risks of Microconstituents in Reclaimed Water. Poster presented at the Going Green Tampa Bay Expo: USF Tampa Campus – Marshall Student Center, April 12, 2008.

Covaci, A., Meijer, S., Jaward, F. M., Jantunen, L., Gheorghe, A., Neels, H., Jones, K. C. Investigation of source apportioning for alpha-HCH in air using enantioselective analysis (Abstract submitted to the 2007 Dioxin conference).

Akiwumi, F., Jaward, F. M. World-System Processes and Mine Waste Generation in Sierra Leone, West Africa. Dangerous Trades: Histories of Industrial Hazards across a Globalizing World Stony Brook University, Stony Brook, New York, 12/13-12/15/2007.

Nizzetto, L., Jaward, F. M., Jones, K. C., Di Guardo, A. PCBs and HCB in Italian mountain air: the influence of altitude and forest ecosystem type. Platform presentation at SETAC; Lille, France, May 2006.

Jaward, F. M., Nam, J. J., Zhang, G., Jones, K. C. Passive air sampling of PCBs, organochlorine compounds and PBDEs across Asia. Organohalogen Compounds, Toronto, August 2006.

Prevedouros, K., Farrar, N. J. Hassanin, A., Jaward, F. M., Lee, R.G.M., Sweetman A.J., Thomas, G.O., Jones, K. C. Observations on the quantitative links between PBDE uses, emissions and environmental measurements in Europe. Poster presented at the Brominated Flame Retardants Meeting, Toronto, June 2004.

Jurado, E., Lohmann, R., Jaward, F. M., Jones, K. C., Simo, R., Dachs, J. Atmospheric deposition of persistent organic pollutants over the Atlantic Ocean. Poster presented at SOLAS workshop, France; June 2003.

### **Research Reports**

Jaward, F. M., Moeckel, C., Jones, K. C., Gerzabek, M., Rijnaards, H., Mouvet, C., Lair, G., Normand, M., Baran, N., Jouin, F., Gutierrez, A., Steidle, D., Kuntz, D., Lobe, I. Documentation to demonstrate Optimization achieved. Work Package: Flux 1.4, Mar



2005, 22 pgs.

Jaward, F. M., Moeckel, C., Jones, K. C., Barth, J., Grathwohl, P. AquaTerra Work Package: Flux 1.3, Feb 2005, 6 pgs.

Jaward, F. M., Moeckel, C., Jones, K. C., Kuntz, D., Steidle, D., Barth, J., Grathwohl, P. Documentation on site instrumentation. AquaTerra Work Package: Monitor 3.3 Report, Nov 2004, 30 pgs.

Jaward, F. M., Moeckel, C., Jones, K. C., Barth, J., Grathwohl, P. Provision of passive samplers (funnel-cartridge for deposition rates); high capacity techniques for air concentrations. AquaTerra Work Package: Monitor 3.1 Report, Oct 2004, 4 pgs.

Jones, K. C., Jaward, F. M., Barth, J. & Grathwohl, P. Plan of sampling and measurement strategies. AquaTerra Work Package Flux 1.1 Report, Aug 2004, 4 pgs.

Jones, K. C., Harner, T., Cahill, T., Mackay, D., Corrigan, B., Durham, L. Jaward, F. M., Miejer, S., Ockenden, W. & Sweetman, A. Semi-Permeable Devices (SPMDs) as Passive Air Samplers for POPs, 2001. 102 pgs.

### **PROFESSIONAL AFFILIATIONS**

Society of Environmental Toxicology and Chemistry - SETAC

American Chemical Society - ACS

### **TEACHING**

#### **Courses developed and taught**

Environmental Analytical Laboratory  
Environmental Health Chemistry  
Environmental Analytical Principles  
Critical issues in Public Health  
Environmental Research Interdisciplinary Colloquium (ERIC)

#### **Current Doctoral Students**

Barrett, Kayon; Doctoral candidate, Department of Environmental and Occupational Health (Co-Major Professor)

Vijayakumar, Nisha; Doctoral student, Department of Environmental and Occupational Health (Major Professor)

#### **Committee Member**

Ibrahimou, Boubakari; Doctoral candidate, Department of Epidemiology and Biostatistics, (Spring 2010 to present). Particulate Matter Speciation Metals: Statistical Analysis and Impact on Birth Outcomes.

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Michael, Ryan; Doctoral candidate, Department of Environmental and Occupational Health (Spring 2009 to present) Systems modeling of mercury in the environment

Yu, Haofei; Doctoral candidate, Department of Environmental and Occupational Health (Spring 2009 to present). The effects of urban growth form on the social distribution of human exposures to select mobile source pollutants in the Tampa area.

Prieto Ana; Doctoral candidate, Department of Civil and Environmental Engineering, Fall 2008 to present

### **Doctoral Students Successfully Supervised**

Siegel, Kristy; Doctoral candidate, Department of Environmental and Occupational Health, Fall 2007 to Fall 2013

Simmons, Candice; Doctoral candidate, USF College of Marine Science, St Pete, Spring 2010 to Fall 2013

### **Doctoral Graduates**

#### **Chair of Dissertation Defense**

Gray, Monica; Department of Environmental and Occupational Health (200 – 2008, graduated), Sustainable Control of *Ascaris Lumbricoides* (Worms) in a Rural, Disease Endemic and Developing Community: A Systems Approach.

Mhaskar, Rahul; Department of Global Health, USF College of Public Health (2007 – 2010, graduated). Epidemiological Study of Contributing Factors in the Development of Peptic Ulcer and gastric Cancer Initiated by Helicobacter Pylori Infection in India. Faculty, College of Medicine.

#### **Committee Member**

McCluskey, Jim; Department of Environmental and Occupational Health (2006 – 2008, graduated). Benzene in the environment. Presently a faculty at USF College of Public Health.

Do, Anh; Department of Civil and Environmental Engineering (2006 – 2011, graduated) Anaerobic Membrane Bioreactor (AnMBR) for Treatment of Landfill Leachate and Removal of Micropollutants.

Omisca, Erlande; Department of Civil and Environmental Engineering (2008-2011, graduated). Environmental health in the Latin American and Caribbean region: Use of water storage containers, water quality and community perception.

### **Current Students advisees**

7 academic advisees

2 doctoral students

### **Masters Graduates**

Advisees (thesis/special project)

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Mullins, Jennifer; Department of Environmental and Occupational Health (Fall 2010 to Fall 2012, graduated, special project - Major Advisor). Mercury, Arsenic, and Nitrates: Inorganic Chemicals in U.S. Water.

Wolf, Hillary; Department of Environmental and Occupational Health (Spring 2010 to Spring 2012, graduated, special project - Major Advisor). Pharmaceuticals and the environment: A case study of disposal techniques at hospice facilities in Alachau County, Florida.

White, Brenda; Department of Environmental and Occupational Health (Fall 2009 to Fall 2011, graduated, thesis - Major Advisor). Detection of polybrominated diphenyl ethers in ambient air at a wastewater treatment facility. A lieutenant in the US Navy as an environmental health specialist in California.

Juengst, Benjamin; Department of Environmental and Occupational Health (Fall 2009 to Fall 2011, graduated, special project - Major Advisor) Private Water Systems in Florida: Groundwater Contamination and Treatment Options

Simms, Jason; Department of Environmental and Occupational Health (Spring 2008 to Spring 2011, graduated, special project – Major Advisor). Working in the Department of Geography at USF.

Wakley, Emily; Department of Environmental and Occupational Health (Spring 2008 to Spring 2010, graduated, special project – Co-Major Advisor). Current Disinfection Methods Used In Public Drinking Water Systems in the United States.

Petrick, Sara; Department of Environmental and Occupational Health (Spring 2009 to Spring 2011, graduated, special project - Major Advisor). An analysis of the economic burden of obesity within Moffitt Cancer Center's workforce.

Davies, Ryan; Department of Environmental and Occupational Health (Spring 2008 to Spring 2010, graduated, special project – Co-Major Advisor). Determination of polybrominated diphenyl ethers during wastewater treatment process producing reclaimed water.

Adesanya, Tolulope; Department of Environmental and Occupational Health (Spring 2011 to Spring 2013, graduated, Special Project – Major Advisor. Effects of benzo[a]pyrene on Ray-Finned fish and assessment using the Comet Assay Method.

Weekes, Christopher; Department of Environmental and Occupational Health (Spring 2011 to Spring 2013, graduated, thesis – Co-Major Advisor). Agricultural and Domestic Waste Generation in Chilibre, Panama and Potential Low-Cost Best Management Practices

Thesis committee Member

Fridth, Samantha; Department of Environmental and Occupational Health (Summer 2009 to Summer 2011, graduated). A pilot study of small-scale variations in outdoor benzene concentrations.

Evans, Amanda; Department of Environmental and Occupational Health (2008 to 2010, graduated) Air sampling of aldehydes in Hillsborough County.

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Garcia, Anna; Department of Civil and Environmental Engineering (2007, graduated).  
Evaluation of Scrap Tire-Derived Porous Rubber Tubing as a Green Membrane for  
Sustainable Water Filtration (*ECOL-Mem* Process).

Academic advisees

Advised over 20 students

**PROFESSIONAL SERVICE**

**Professional Organization**

Society of Environmental Toxicology and Chemistry (SETAC)  
Judge, platform presentation at conferences the 2008 – Present

University of South Florida

Chairman, Education Workgroup, December 2016 - Present

Member, Education Committee, April 2012 – Present

Departmental representative, College of Public Health Admissions Committee, 2010 -  
Present

Member, African Initiatives Group at University of South Florida, 2008 - Present

Reviewer, students' poster presentations, 2007 - Present

Member, two Global Health Search Committees, 2007 – 2009

Represented the college on the USF Health Visionary Exercise with very little prompting  
in July 2007

ASPH/EPA

Judge, Environmental Health Fellowship program 2007 – Present  
Reviewer, Environmental Health Fellowship program 2007 – Present

Njala University College

Interim Chairman, Department of Chemistry, Faculty of Environmental Science, Njala  
University College 1998 – 2000

Chairman, Group seminar Committee, Faculty of Environmental Science, Njala  
University College 1997 – 2000

Member, University Student Placement Committee, Njala University College, University  
of Sierra Leone 1997 – 2000

Member and Secretary, University of Sierra Leone Public Affairs Committee 1999 – 2000

Chief Examiner for Integrated Science (Chemistry option) for Higher Teachers'  
Certificate in Sierra Leone 1999 – 2000

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Director of Studies, Faculty of Environmental Sciences, Njala University College, 1998 – 2000

Member, Njala University College partnerships committee 1998 – 2000

External Examiner in Organic Chemistry, College of Medicine and Allied Health Sciences, University of Sierra Leone 1998 – 2000

#### **OTHER SERVICE ACTIVITY**

Lecture on Solid & Hazardous Waste for the Certified Hazardous Materials Manager Review (CHMMR) Course, 06/09/12

Lecture on Air Quality and Related Health issues in the Americas at the May 2011 health in the Americas course

Presentation on Trace Organics in Recycled/Reclaimed Waters at the Potential Contaminants from Water Reuse Workshop, January 2010

Presentation on Determination of Potential Exposure of Office Workers in the Tampa Bay Area to Polybrominated Diphenyl Ethers (PBDEs) Using Passive Samplers at the NIOSH seminar series, 2009

Lecture on Industrial Toxicology for the CHMMR Course, 03/14/08

Lecture on Multimedia Sampling for the (CHMMR) Course, 03/13/08

Lecture on Introduction to Chemistry of Hazardous Materials for the CHMMR Course, 03/13/08

Lecture on the USA Clean Air Act, March 2008 to the EOH Department  
Lecture on Environmental Factors in Global Health as part of PHC 6115 Global Health Principles and Contemporary Issues course, October 2007

Presentation on GC/MS and its use: Potential for USF Health, 07/23/07

Presentation on Passive Air Sampling of Persistent Organic Pollutants in Remote and Source Regions at the Environmental Protection Commission of Hillsborough County, May 8 2007

Presentation at the NIOSH seminar series on Passive Air Sampling of Persistent Organic Pollutants in Remote and Source Regions, April 2007

Presentation on passive air sampling of persistent organic pollutants (POPs) in remote and source regions at the USF St Pete Campus, March 28 2007.

Presentation on the spatial and temporal distribution of atmospheric persistent organic pollutants (POPs) along a north-south Atlantic transect at the EOH Seminar series, February 1 2007.

Presentation on passive air sampling of persistent organic pollutants (POPs) using polyurethane foam (PUF) disks at the ERIC Seminar series, October 4 2006.

### **ADDITIONAL PROFESSIONAL TRAINING**

- 2012 College of Public Health Faculty Affairs Professional Development series:
  - Technical guidelines for on-line courses
  
- 2012 College of Public Health Faculty Affairs Professional Development series:
  - Overview: How research is conducted at USF
  
- 2012 College of Public Health Faculty Affairs Professional Development series:
  - Developing and teaching on-line courses
  
- 2012 College of Public Health Faculty Affairs Professional Development series:
  - “Promotion & Tenure Workshop”
  
- 2011 College of Public Health Faculty Affairs Professional Development series:
  - P.O.W.E.R. Writing Workshop for Faculty
  
- 2011 College of Public Health Faculty Affairs Professional Development series:
  - “Promotion & Tenure Workshop”
  
- 2010 College of Public Health Faculty Affairs Professional Development series:
  - “Promotion & Tenure Workshop”
  
- 2009 Eight-week USF Summer Faculty National Science Foundation (NSF) grant-writing where I received training on preparing a grant proposal for the National Science Foundation (NSF)
  
- 2008 College of Public Health Faculty Affairs Professional Development series:
  - “Promotion & Tenure Workshop”
  
- 2007 Eight-week USF Summer Faculty National Science Foundation (NSF) grant-writing where I received training on preparing a grant proposal for the National Science Foundation (NSF)
  
- 2007 College of Public Health Faculty Affairs Professional Development series:
  - “The Basics of Becoming a New PI”
  - “Promotion & Tenure Workshop”

### **REVIEW/EDITORIAL WORK**

- 2008 – 2011 Editor-in-Chief, African Journal of Environmental Assessment and Management
- 2007 – 2008 Member of the Editorial Board, African Journal of Environmental Assessment and Management
- 2006 – Present Reviewer (reviewed over 50 articles during the past 6 years) for Environmental Science and Technology, Atmospheric Environment, Association for Educational Communications and Technology, Environmental Assessment and Management, Environmental Monitoring and Assessment, Chemosphere, Biotechnology,

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Environmental Pollution, Marine Pollution Bulletin and Science of the Total Environment journals.

#### **ACADEMIC HONORS**

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|-------------|--|
| 2000 – 2003 | Commonwealth Academic Staff Scholarship, awarded by the Association of Commonwealth Universities, United Kingdom |
| 1994 – 1996 | Netherlands Fellowship Program, awarded by the Government of Netherlands   |
| 1996        | Top of graduating class (Summa cum laude), IHE/Utrecht University, Netherlands                                   |
| 1986 – 1991 | Sierra Leone Government Scholarship, awarded by the Government of Sierra Leone to outstanding students           |
| 1991        | Top of Graduating Class, Department of Chemistry, Fourah Bay College   |

#### **OUTREACH**

- Knowledge Transfer: I am active in a number of academic and professional organizations. I have regular monthly meetings with the groups of two other faculty members where all group members have the opportunity to present their work and discuss the work of other group members. I have successfully supervised several Master's and doctoral students with their theses and dissertations projects and trained other researchers, industry workers, government, and private sector workers in chemical analysis of pollutants in all matrices..
- Faculty Service: I serve on many committees in the department and college. I am also PI and co-PI on many funded research projects and provide the department and my research group with professional support and technical advice on analytical methods. At the University of Sierra Leone, I held many positions including acting head of department, faculty director of studies, chair of the student placement committee etc.
- Founding member of the editorial board for the African *Journal of Environmental Assessment and Management*; frequent reviewer for at least ten peer-reviewed scientific journals including *Environmental Science & Technology*, *Environmental Pollution* and *Environmental Monitoring and Assessment*.
- Contributed to the development of a novel passive sampling method used for sampling pollutants in the environment, which has many advantages over conventional samplers.