

# AFOLABI ADISA

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## EDUCATION

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- **Master of Science in Environmental Toxicology -** (CGPA: 4.00/4.00)  
*Texas Southern University, Houston, Texas* December 2014
- **Bachelor of Science in Industrial Chemistry -** (CGPA: 4.43/5.00)  
*Olabisi Onabanjo University, Nigeria* May 2009

## TRAININGS / CERTIFICATIONS

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- **Certified Environmental Specialist-Bootcamp** (Credit hours: 24)  
*OSHA-campus- 360training.com* September, 2015  
**Summary of Course work:** Environmental Compliance ensuring conformity with standard guidelines and threshold limits towards the sustenance of human health and the environment. Professional techniques in regularly monitoring and controlling the level of pollutants in all environmental matrices
- **OSHA and the OSH Act (GI)** (Credit hours: 4)  
*OSHA-campus- 360training.com* April 2015  
**Summary of course work:** Effective Hazard communication & management, Personal Protective Equipment, the OSH Act, OSHA requirements, OSHA violations, inspection procedures conducted by OSHA, Employer/worker rights
- **Certified Mental Health First Aid Care-Giver** (Credit hours: 8)  
*Mental Health First Aid USA* June 2015  
**Summary of training:** Provision of initial help to people experiencing mental health problems such as depression, anxiety disorders, psychosis & substance use disorders
- **Nigerian Society of Student Investors & Entrepreneurs (NSSIE) Training –** October 2008  
Business Start-up, management and marketing; Business Communication and personal and organizational effectiveness
- **UNICEF Training –** March 2010  
The Joint United Nations Program on AIDS (UNAIDS), Association of Reproductive and Family Health (ARFH) and a host of other development partners organized the training through the Federal Govt. of Nigeria/National Youth Service Corp Scheme; on National Reproductive Health, HIV & AIDS Prevention & Care. I was trained to function as a Peer Education Trainer

## THESIS

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- **Title:** Determination of polycyclic aromatic hydrocarbons in dry tea leaves (*published*)
- **Synopsis:** Qualitative and quantitative analysis of tea-leaf extracts using High performance Liquid Chromatography with fluorescence detection and consequently conducting a carcinogenic risk assessment of characterized polycyclic aromatic hydrocarbons found in 28-tea samples

## PROJECTS & RESEARCH INTERESTS

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- Texas Southern University, Houston, Texas* 2013 - 2014
- Utilized *High Performance Thin-Layer Chromatography (HPTLC)* in the qualitative analysis of extracts of natural products

- Utilized High Performance *Liquid Chromatography* (HPLC) with fluorescence detector (FLD), in the qualitative and quantitative analysis of *Polycyclic Aromatic Hydrocarbons* (PAHs) in coffee extracts; with a primary focus on PAHs of concern as highlighted by the United States Environmental Protection Agency (US.EPA); with concentrations that exceed the threshold
- Adopted *Fourier Transform Infrared Spectroscopy* (FTIR) and *Raman Spectroscopy* in identifying functional groups present in synthesized and extracted organic compounds
- Explored Gas Chromatography with both single and triple quadrupole.MS- (GC-MS, GC-MS/MS)

## PUBLICATIONS (PAPERS/PRESENTATIONS)

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### Feb 2015

- Determination of polycyclic aromatic hydrocarbons (PAHs) in dry tea (Journal of Environmental Science & Health, Part.B: Pesticides, Food Contaminants and Agricultural Wastes, 50:8, 552-559, DOI: 10.1080/03601234.2015.1028832). **Date published: 11<sup>th</sup> June. 2015**

### June 2014

- Determination of polycyclic aromatic hydrocarbons (PAHs) in roasted coffee (published- Journal of Environmental Science & Health, Part.B: Pesticides, Food Contaminants and Agricultural Wastes, 49:11, 828-835, DOI: 10.1080/03601234.2014.938552). **Date published: 04<sup>th</sup> Sept. 2014**

### June 2010

- Educational Publication in the 2<sup>nd</sup> Edition of "Pace Magazine" - The Article Title: "Marijuana, Is it a source of Inspiration?"

## PROFESSIONAL EXPERIENCE

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**Adjunct Chemistry Professor** - *Texas Southern University, Houston, Texas, U.S.A.* **(Sep.2015- To date)**

**Supplemental Instructor** – Student Academic Support Services, *Texas Southern University, Houston, Texas, U.S.A* **(May.2015- Aug.2015)**

- I supplemented student class lectures with additional instruction in college-level Mathematics & English coupled with handling tutorials in Organic Chemistry
- I coordinated the maintenance of students' performance records through an effective database and directed tutorials towards the improvement of students' performance.

**Adjunct Professor** - *Texas Southern University, Houston, Texas, U.S.A.* **(Jan.2015- May.2015)**

- Instructed Organic Chemistry
- Led recitations for General & Organic Chemistry courses in the department

**Graduate Teaching Assistant** – *Texas Southern University, Houston, Texas, U.S.A* **(Jan. 2013 – Dec.2014)**

- Coordinated laboratory-Chemistry, General Chemistry.2 and Organic chemistry-1 & 2 classes in the Department of Chemistry, College of Science and Technology, Texas Southern University

**Teacher/Educator** –*Eagles' Tower Secondary School, Lagos, Nigeria* **(March 2011-Dec. 2012)**

- Taught high school seniors the following courses: Mathematics, Advanced Mathematics, Chemistry and Physics

- Worked here as a part of my NYSC (National Youth Service Corp) Program
- Taught High school seniors Chemistry and Mathematics
- As a Peer Education Trainer, I carried out training programs for students on Reproductive Health, HIV & AIDS Prevention and care
- Created/Instituted an Adolescent Counseling Unit (ACU) at the school

#### TECHNICAL SKILLS

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- Proficient in Microsoft Word, PowerPoint, Excel
- **Scientific Research Analytical Software Experience**— Chromeleon (GC), Omnic (FTIR), Chemstation (HPLC), MassHunter (GC)

#### ACADEMIC AWARDS & ACHIEVEMENTS

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##### August 2014

- **Awarded- "Tutor of the year- 2014"** by the Student Academic Enhancement Services (SAES), Texas Southern University, Houston, Texas

##### April 2014

- Graduate Research Enhancement **Scholarship award** by the College of Science and Technology, Texas Southern University, Houston, Texas

##### November 2006

- Award of excellence as the **best academic student** by the *Student's Chemical Society of Nigeria (SCSN)* - Olabisi Onabanjo University, Ogun State, Nigeria

##### July 2001

- Awarded well behaved student in recognition of my selfless and distinguished service to the College (Modern Age College, Nigeria)

##### October 2010

- Successfully achieved my goal of instituting an Adolescent Counseling Unit (ACU) in a Junior & Senior Secondary School (Great Cornerstone International Science College)

#### ASSOCIATION

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- Collegiate Member (STEM), National Society of Black Engineers (NSBE)