

# Abdulrazak O. Balogun

Tel: 812-223-9721. Email: [abalogun@indiana.edu](mailto:abalogun@indiana.edu)

## **EDUCATION**

### **Indiana University School of Public Health, Bloomington**

- Ph.D. Environmental Health (CGPA: 3.94/4.00) July 2020  
Dissertation title: Cardiovascular Health Effects of Air Pollution on Traffic Police Personnel in Quito, Ecuador  
Advisor: Dr. Rodrigo Armijos
- M.S. Safety Management (CGPA: 3.95/4.00) May 2015

### **Lagos State University, Nigeria**

- B.Sc. Microbiology (CGPA: 3.47/5.00) March 2011

## **TEACHING EXPERIENCE**

### **Indiana University Southeast – Safety Management program**

Adjunct Instructor – S410 (Advanced Industrial Hygiene). Spring 2020

### **Indiana University School of Public Health Bloomington – Safety Management program**

Associate Instructor – S411 (Industrial Hygiene Sampling and Analysis Lab). Spring 2019

### **Indiana University Department of Biology**

Head Associate Instructor – L113 (Introductory Biology Lab). Spring 2018; Fall 2018

## **INVITED GUEST LECTURES**

- S201 (Introduction to Industrial Hygiene). Fall 2019  
*Topic: Preparation for a Career in Environmental Health & Safety and Industrial Hygiene*
- V545 (Exposure Assessment and Control). Spring 2019  
*Topic: Indoor Air Pollution Measurement and Analysis*
- V241 (Foundations of Environmental Health). Spring 2017  
*Topic: Air Pollution and Human Health*
- V546 (Risk Assessment Policy and Toxicological Regulations). Fall 2016  
*Topic: Quantitative Microbial Risk Assessment*

## **PROFESSIONAL EXPERIENCE**

### **IU School of Public Health Bloomington**

August 2015 – present

- Graduate Research Assistant/Associate Instructor

### **QSM Consultants, Carmel, IN**

Feb. 2019–April 2019

- Assistant EHS Consultant (Brief Project).

### **Baxter Pharmaceutical Solutions LLC, Bloomington, IN**

June 2014 – Sept. 2014

- Environmental Health and Safety Intern

### **Lagos State Environmental Protection Agency, Nigeria.**

Aug. 2012–Dec. 2012

- Research and Development Intern.

## **SERVICE ROLES**

City of Bloomington Chronic Disease- Community Health Improvement Group

- Member (2017 - present)

City of Bloomington Active Living Coalition

- Member (2017 – present)

Environmental Health Students Society at Indiana University.

- Co-Founder & President (2016 – 2018)

IU School of Public Health Student Government

- Environmental and Occupational Health Department Representative (2016 – 2018)

## **RESEARCH EXPERIENCE**

**Project: Identification of risk factors associated with musculoskeletal disorders (MSD) in Stone, Sand and Gravel Mining (SSGM) operations.** (PI: Dr. Todd Smith)

Summary: Research project identifying risk factors associated with MSDs in SSGM workers.

Role: Graduate Research Assistant

2019 - present

Travelled to SSGM facilities in the State of Indiana for participant recruitment and data collection. Currently engaged in data analysis and manuscript preparation with collaborators showcasing findings (1 published, 1 under review, 2 in progress). Presented findings at the American Public Health Association annual meeting and the Work Stress and Health Conference.

**Project: Bloomington Household Environmental Health Needs Assessment** (Co-PIs: Dr. Rodrigo Armijos and Dr. Margaret Weigel)

Summary: Exploratory search project evaluating the health effects of indoor air pollution and other socio-demographic factors among lower - income residents in Bloomington, Indiana.

Role: Graduate Research Assistant.

2017 - 2019

Actively participated in the research planning phase, recruitment and supervision of undergraduate student researchers; collaborated with the City of Bloomington government departments, cultural, religious and social service centers for the identification and recruitment of participants; measured and analyzed the following: 24 - 48hr indoor PM<sub>2.5</sub>, PM<sub>10</sub>, ultrafine particles, noise; cardiorespiratory health indicators including blood pressure, blood glucose, lipid profile, airway inflammation, pulse wave velocity, heart rate variability, serum inflammatory biomarkers; food security and dietary assessment. Presented findings at University and State conferences.

## **PUBLICATIONS**

1. **Balogun, A. O.**, & Smith, T. D. (2020). Musculoskeletal Symptoms among Stone, Sand and Gravel Mine Workers and Associations with Sociodemographic and Job-Related Factors. *International Journal of Environmental Research and Public Health*, 17(10), 3512.
2. **Balogun, A. O.**, Andel, S. A., & Smith, T. D. (2020). "Digging Deeper" into the Relationship Between Safety Climate and Turnover Intention Among Stone, Sand and Gravel Mine Workers: Job Satisfaction as a Mediator. *International Journal of Environmental Research and Public Health*, 17(6), 1925.
3. **\*Balogun, A.O.**, Weigel, M., Cevallos, W., Puebla, E. and Rodriguez, R., 2017. Epidemiology of Cutaneous Leishmaniasis in an Endemic Pacific Coastal Rainforest Area of Ecuador. *Annals of Global Health*, 83(1), pp.61-62.
4. **\*Wang, Y.**, Armijos, R., Weigel, M., **Balogun, A.O.**, Sorocco, T., Cevallos, W., Sanchez, X., Puebla, E. and Rodriguez, R., 2017. Diagnosis of Cutaneous Leishmaniasis using Microscopic Detection and Molecular-based PCR Assay Techniques. *Annals of Global Health*, 83(1), p.167

\*Published conference presentation abstracts

## **PRESENTATIONS**

1. **Balogun, A.O.**, Smith, T.D., Le, A.B., & Slates, K. (2020, March). Exploring the Distribution of Musculoskeletal Disorder Symptoms in the Stone Sand and Gravel Mining Industry and Strategies for Prevention. *Accepted for back-up oral presentation at the upcoming Applied Ergonomics Society (AES) 2020 Annual Conference. Louisville, KY.*
2. Smith, T.D., **Balogun, A.O.** & Dillman, A.L. (2019, November). Musculoskeletal disorder risk and protective factors within the stone, sand and gravel mining industry. *Oral presentation given at the Southwestern Indiana Holmes Safety Association Quarterly Meeting. Fort Branch, IN.*
3. **Balogun, A.O.**, Smith, T.D. & Slates, K. (2019, November). Injury rates and musculoskeletal symptoms among workers in the stone, sand and gravel mining industry. *Poster presentation at the American Public Health Association's (APHA) 2019 Annual Meeting & Expo. Philadelphia, PA.*
4. **Balogun, A.O.**, Smith, T.D. & Slates, K. (2019, November). Associations between safety climate, job satisfaction and turnover intention among workers in the stone, sand and gravel mining industry. *Poster presentation at the 13th International Conference on Occupational Stress and Health – Work, Stress and Health 2019: What Does the Future Hold? Philadelphia, PA.*
5. **Balogun A.O.**, Myer J., Yakovlyeva A., Armijos R.X., Weigel M.M. (2019, March). Measurement of Ultrafine Particles on Heavy Traffic Roads in Quito, Ecuador. *Poster presentation at the 2019 Consortium of Universities in Global Health (CUGH) conference. Chicago, IL.*
6. Antos, S., Parker., B, Hing, N., **Balogun A.**, Weigel, M. (2019, March). Environmental conditions, perceptions, concerns, and practices of Ecuadorian ethnic minority households. *Poster presentation at the 2019 Consortium of Universities in Global Health (CUGH) conference. Chicago, IL*
7. **Balogun, A.O.**, Myer, J., Yakovlyeva. A., Miro, L., Armijos, R.X., Weigel, M. (2018, April). Comparison of Air Quality Indicator (PM<sub>2.5</sub>) Data Obtained from two locations in Bloomington, Indiana. *Poster presentation at the 2018 Indiana Public Health Month Conference. Bloomington, IN.*
8. Myer, J., Parker, B., Graney, K., **Balogun, A.O.**, Armijos, R.X. (2018, April). Indoor Air Quality Assessment in Bloomington Homes. *Poster presentation at the 2018 Indiana University Hutton Honors Research Symposium. Bloomington, IN*
9. Antos, S., Yavovlyeva, N., Miro, L., **Balogun, A.O.**, Armijos, R.X. (2018, April). Indoor Air Quality Assessment of a College Campus Building. *Poster presentation at the 2018 Indiana University Hutton Honors Research Symposium. Bloomington, IN*
10. Armijos R.X., Weigel M.M., Aguilera J., Martinez E., Mejia E., Olvera H., **Balogun A.**, Gonzalez F. (2017, November) Residence in urban neighborhoods with high ultrafine particulate matter (UFP) air pollution is associated with systemic inflammation and hypertension in U.S.-Mexico border adults. *Poster presentation at the American Public Health Association (APHA) 2017 Annual Meeting & Expo. Atlanta, GA.*

## **ORGANIZATION MEMBERSHIP**

American Society of Safety Professionals (ASSP).	Since 2014
- IU Student Chapter Secretary (2014-2015)	
American Public Health Association (APHA).	Since 2019
National Safety Council (NSC).	Since 2020

## **CONFERENCES AND WORKSHOPS ATTENDED**

Applied Ergonomics Conference (2020-slated to attend, postponed due to Covid-19 outbreak)

Central Indiana ASSP Safety and Health Conference (2014, 2015, 2020)

American Public Health Association Annual Conference (2019)

SOHP/NIOSH/APA Work Stress and Health Conference (2019)

Board of Certified Safety Professionals Inaugural Research Summit (2019)  
ASSP National Professional Development Conference and Exposition (2014, 2019)  
Consortium of Universities in Global Health (2017)  
Indiana Public Health Month Conference (2018)  
ASSP Future Safety Leaders Conference (2014)  
Quantitative Microbial Risk Assessment: Interdisciplinary Instructional Institute (2016)