

**CURRICULUM VITAE****Oluwabunmi M. Dada, M.S., Ph.D., CSP**

Assistant Professor

Department of Occupational Safety and Health

Jesse D. Jones College of Science, Engineering, and Technology

Murray State University

157E Industry &amp; Technology Center, Murray, KY 42071

Telephone: 205-427-3929

Email: odada1@murraystate.edu

bunmidada88@gmail.com

**EDUCATION**

The University of Alabama at Birmingham

Ph.D., Environmental Health Sciences

Birmingham, Alabama

December 2019

Samford University

MS, Environmental Management

Birmingham, Alabama

August 2016

University of Ibadan

BS, Geography Science

Ibadan, Nigeria

December 2012

**RESEARCH EXPERIENCE & INTERESTS**

- Health effects of substance use and health disparities among US population 2021 - present
- Environmental Exposures and health implications 2018 - present
- Chemical characterization of electronic cigarette refill liquids and vapors 2016 - present
- Assessment of The Spatial Distribution of Toxic Release Inventory Facilities 2016 - present
- Spatial Pattern of Cholera Incidence in Ibadan Region of Nigeria 2011 - 2012  
*Submitted to the department of Geography Science for the award of BS*

**PROFESSIONAL APPOINTMENT & EXPERIENCE**

Assistant Professor

Department of Occupational Safety and Health

Murray State University

2020 – present

Murray, KY

Grant Reviewer

University of Alabama at Birmingham

Deep South Center Pilot Project Grant

2020 - 2022

Teaching Assistant

Department of Environmental Health Sciences,

University of Alabama at Birmingham

2019

Birmingham, AL

Graduate Trainee

Department of Environmental Health Sciences,

University of Alabama at Birmingham

2016 - 2019

Birmingham, AL

Intern City of Birmingham, Stormwater Management Division	2016 Birmingham AL
Graduate Assistant Samford University	2015 - 2016 Birmingham AL
Research Assistant Ladoke Akintola University of Technology	2013 - 2014 Ogbomoso, Nigeria

### TEACHING ASSIGNMENTS

- Assistant Professor; Department of Occupational Safety and Health  
Murray State University  
OSH 192 – Introduction to Occupational Safety and Health (Spring, 2020)  
OSH 387 – OSHA standards in construction and general industries – two  
sections (Fall, 2020 & Spring 2021); One section (Spring 2020, 2022 & 2023;  
Fall 2021, 2022 & 2023)  
OSH 389 – Facility water quality and management (Fall 2021 & 2022)  
OSH 389 online – Facility water quality and management (Fall 2023)  
OSH 479 – Fundamentals of Air Pollution and Control (Spring, 2022 & 2023)  
OSH 687 – Wastewater treatment (Spring, 2020, 2021, 2022, & 2023)  
OSH 697 – Research in Environmental Health & Safety (Fall 2020, 2021 & 2022)  
OSH 657 – Current Literature and Research in Safety & Health (Fall 2020, 2021  
& 2022)  
OSH 657 online – Current Literature and Research in Safety & Health (Spring 2021,  
2022, & 2023)  
OSH 624 – Principles of Environmental Management (Spring 2024)  
2020 - present
- Guest Lecture: Department of Environmental Health Sciences, University  
of Alabama at Birmingham  
PUH 220 – Environmental factors in Public Health  
(Fall, 2021) Introduction to OSHA and PPE  
2021
- Guest Lecture: Department of Environmental Health Sciences, University  
of Alabama at Birmingham  
PUH 210 – Agent, Host, and Environment  
(Fall, 2020) Week 5, Pesticides and Chemicals  
2020
- Teaching Assistant: Department of Environmental Health Sciences,  
The University of Alabama at Birmingham  
PUH 220 Fundamentals of Environmental Health Sciences (Fall, 2019)  
2019
- Guest Lecture: Department of Environmental Health Sciences, University  
of Alabama at Birmingham  
ENH 600 – Scientific Basis of Environmental Health  
(Spring, 2017) Lecture 16, Pesticides as Environmental Toxins.  
2017
- Teaching Assistant: Department of Earth Sciences, Ladoke Akintola University  
of Technology Ogbomoso, Nigeria  
Introduction to Geographic Information system  
2014

### PROFESSIONAL DEVELOPMENT AND TRAINING

- Participant; Bluegrass Academic Leadership Academy  
2022 Cohort
- Fellow; Kentucky Commercialization Ventures  
2022
- Participant; The Kentucky Council on Postsecondary Education (CPE)  
Academic Leadership and Development Institute (ALDI)  
2021 cohort

**CERTIFICATIONS**

• ACUE Effective College Instruction	2023
• Google Analytics	2023
• Certified Safety Professional (CSP)	2021
• Associate Safety Professional (ASP)	2020
• Spirometry Certified (NIOSH Approved)	2017
• Hazardous Materials Certified (NIOSH Approved)	2017
• Erosion and Sedimentation Control Workshop for Home Builders	2016
• 40 Hour HAZWOPER	2015
8-hour refresher	2017

**PROFESSIONAL MEMBERSHIPS**

• American Public Health Association	2022 - present
• Delta Omega Honorary Society in Public Health – Upsilon Chapter	2020 - present
• Society of Toxicology	2019 - present
• Society of Environmental Toxicology and Chemistry	2018 - present
• American Society of Safety Professionals	2017 - present
• American Industrial Hygiene Association	2017 - present

**HONORS/AWARDS**

• Murray State University Alumni Association's Emerging Scholar Award in STEM	2024
• Murray State University Board of Regents Teaching Excellence Award Nominee	2023
• Society of Environmental Toxicology and Chemistry Student Travel Award: Minority student category (40th Annual Meeting)	2019
• Society of Environmental Toxicology and Chemistry Student Travel Award (39th Annual Meeting)	2018
• 2nd place in poster presentation at the Southeastern Regional ERC Symposium	2018
• National Chapter, American Society of Safety Professionals Thompson Scholarship for Women in Safety	2018
• National chapter, American Industrial Hygiene Foundation Endowed Scholarship	2018
• Graduate Student Fellowship: Department of Environmental Health Sciences, University of Alabama at Birmingham	2016 - 2018
• National chapter, American Industrial Hygiene George and Florence Clayton Scholarship	2017
• International Student Ambassador, Samford University, Birmingham AL.	2015 - 2016
• Best final year degree student in Climatology, department of Geography, University of Ibadan, Nigeria	2012
• Promising Leader (Final Year Student); an award for a student who has <i>Displayed exceptional and responsible leadership traits</i>	2012

**GRANT**

• KentuckyView Mini-Grant Award Amount: \$2,000	2021
• Natural Hazards Center, University of Colorado, Boulder, Hazard Research Award Award Amount: \$10,000	2024

**PUBLICATIONS**

- Adzrago D, Chiangong J, Ormiston CK, Dada OM, Jones A, Williams F. Social distancing stress, anxiety/depression, COVID-19 diagnosis, gender identity, and immigration status. *Arch Public Health*. 2024 Jun 14;82(1):86. doi: 10.1186/s13690-024-01320-6. PMID: 38877517; PMCID: PMC11177535. 2024
- Malm, E. K., Roberson, L. B., Dada, O., Naber, J. L., Dodd, A., Thurmond, J., ... Heinrich, E. (2024). Sense of Purpose, Reduced Stress, and Connection as Protective Factors for Longevity: An Exploration of Barriers. *American Journal of Health Education*, 1–13. <https://doi.org/10.1080/19325037.2024.2366465> 2024
- Mamudu HM, Adzrago D, **Dada O**, Odame E, Ahuja M, Awasthi M, Weierbach FW, Williams F; Stewart D; Paul T, Examining Disparities in Current E-Cigarette Use among U.S. Adults before and after the WHO Declaration of the COVID-19 Pandemic in March 2020. *Int J Environ Res Public Health*. 2023 Apr 26;20(9):5649. doi: 10.3390/ijerph20095649. PMID: 37174168; PMCID: PMC10177985. 2023
- Mamudu, H. M., Adzrago, D., Odame, E. O., **Dada, O.**, Nriagu, V., Paul, T., Weierbach, F. W., Dowling-McClay, K., Stewart, D. W., Adams, J., & Paul, T. K. (2023). The prevalence of metabolic conditions before and during the COVID-19 pandemic and its association with health and sociodemographic factors. *PloS one*, 18(2), e0279442. <https://doi.org/10.1371/journal.pone.0279442> 2023
- Brinkman, LR., Malm E, Naber J, Dodd A., **Dada O**, Thurmond J, & Reid K. (2023). Achieving Longevity through Nutrition and Movement: An Intuitive Eating Approach: Original Research. *Journal of Exercise and Nutrition*, 6(1). <https://doi.org/10.53520/jen2023.103151> 2023
- **Dada, O.**, Castillo, K., Hogan, M. et al. Evidence for the coupling of refill liquids content and new particle formation in electronic cigarette vapors. *Sci Rep* 12, 18571 (2022). <https://doi.org/10.1038/s41598-022-21798-w> 2022
- Naber J, Dodd A, Thurmond J, Roberson L, **Dada O**, Malm E, Matson E. Community Vitality: A Healthy Life for Everyone – Part 2: Resource Website Development. *Journal of Nursing Education and Practice*. 2022 April. 10.5430/jnep.v12n8p18 2022
- Locke L, **Dada O**, Shedd JS. Aerosol Transmission of Infectious Disease and the Efficacy of Personal Protective Equipment (PPE): A Systematic Review. *J Occup Environ Med*. 2021 Aug 20. doi: 10.1097/JOM.0000000000002366. Epub ahead of print. PMID: 34419986. 2021
- **Dada, O.**, & Ogunyiola, A. (2021). A preliminary impact assessment of social distancing on food systems and greenhouse gas emissions. *Journal of Human Behavior in the Social Environment*, 31(1-4), 254-261. doi:10.1080/10911359.2020.1816242 2020
- Owens FS 3rd, **Dada O**, Cyrus JW, Adedoyin OO, Adunlin G. The effects of Moringa oleifera on blood glucose levels: A scoping review of the literature. *Complement Ther Med*. 2020 May;50:102362. doi: 10.1016/j.ctim.2020.102362. Epub 2020 Feb 28. PMID: 32444043 2020
- **Dada, O. M.**, Chalbot, M.-C. G., & Kavouras, I. G. (2020). Functional characterization of flavorings in electronic cigarette refill liquids by nuclear magnetic resonance spectroscopy. *Analytical Methods*, 12(5), 611-619. doi:10.1039/C9AY02147G 2019
- Zhao J, Nelson J, **Dada O**, Pyrgiotakis G, Kavouras IG, Demokritou P. Assessing electronic cigarette emissions: linking physico-chemical properties to product brand, e-liquid flavoring additives, operational voltage and user puffing patterns. *Inhal Toxicol*. 2018 Feb;30(2):78-88. doi: 10.1080/08958378.2018.1450462. Epub 2018 Mar 22. PMID: 29564955; PMCID: PMC6459014. 2018

### **Submitted manuscripts**

- **Dada O**, Adzrago D, Odame E, Asare A, Obekpa E, Ahuja M, Awasthi M, Weierbach FW, Williams F; Stewart D; Paul T, Mamudu HM. Differences in binge drinking among U.S. adults before and after the WHO declaration of the COVID-19 pandemic. 2024

*Submitted to: JSAT*

- Adzrago D, Odame E, **Dada O**, Adeniran E, Ahuja M, Asare M, Antwan J, Williams F, Mamudu HM, Weierbach FW, Paul TK, Associations of e-cigarette use status with sexual Identities, perceived health harm of e-cigarettes, and psychosocial factors among nationally representative U.S. adults. 2023

*Submitted to: Substance use and misuse***Manuscripts In preparation**

- **Dada O**, & Aminu B, The Prevalence of PFAS Contamination In Food And Paper Contact Materials.
- Odame E, **Dada O**, Nelson J, Ogunyiola A, Haley J, COVID-19 Public Perception of COVID-19 Vaccines: A Social Media Qualitative Interpretative Approach.
- **Dada O**, & Ogunyiola A, Could there be an Impact on Water Quality? The Assessment of Spatial Distribution of Water Releases by Chemical and Industry in Kentucky.
- **Dada O**, Adunlin G, Bolaji B, Cyrus J, & Galadima H, Can Exposure to Environmental Chemical and Biological Agents Affect the Risk of Prostate Cancer and its Outcomes?
- Ogunyiola A & **Dada O**, A content analysis of farm policy responses for food security in an era of COVID-19.
- **Dada O**, Rahn J, & Amanambu A, Assessment of The Spatial Distribution of Toxic Release Inventory Facilities in Jefferson County, AL.

**Published Abstracts**

- Makhija K, Fagbule O, Aula M, **Dada O**, & Odame E, The Impact of Beliefs and Peer Influences on Secondhand Smoke Exposure in LMICs. APHA 2023, Atlanta, GA. 2023
- Adzrago D, Odame E, **Dada O**, Meyer C, Nriagu V, Paul T, Weierbach FW, Stewart D, Paul T, Mamudu HM. Effects Of Covid-19 On Cardiometabolic Outcomes (Diabetes, Hypertension, and Obesity). American Heart Association; Epidemiology, Prevention, Lifestyle & Cardiometabolic Health Conference. Mar 1 – 4. Poster 2022
- **Dada O**, Galadima H, Cyrus J, Adunlin G. Can exposure to environmental chemical and biologic agents increase the risk of prostate cancer and its outcomes? [abstract]. In: Proceedings of the Twelfth AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; 2019 Sep 20-23; San Francisco, CA. Philadelphia (PA): AACR; Cancer Epidemiol Biomarkers Prev 2020;29(6 Suppl\_2):Abstract nr D090 2020

**POSTERS & PRESENTATIONS**

- Diehr J, Ogunyiola O, & **Dada O**, Artificial Intelligence and Machine Learning Powered GIS for Proactive Disaster Resilience in a Changing Climate. EASST-4S 2024, Amsterdam, The Netherlands. July 16 – 19. Podium 2024
- Makhija K, Fagbule O, Aula M, **Dada O**, & Odame E, The Impact of Beliefs and Peer Influences on Secondhand Smoke Exposure in LMICs. APHA 2023, Atlanta, GA. Nov 12 – 15. Poster 2023
- Roberson, L., Malm, E., Naber, J., Dodd, A., **Dada, O.**, Thurmond, J., & Reid, K. Community Vitality: A Healthy Life for Everyone; A Four-Part Interdisciplinary Research Study. Professional Nurse Educators Group (PNEG). Louisville, KY. Sept 13 – 15. Poster 2023
- **Dada O**, Adzrago D, Odame E, Asare A, Obekpa E, Ahuja M, Awasthi M, Weierbach FW, Williams F; Stewart D; Paul T, Mamudu HM. Differences in binge drinking among U.S. adults before and after the WHO declaration of the COVID-19 pandemic. SOT 2023, Nashville, TN. Mar 19 – 23. Poster 2023
- **Dada O**, Mamudu HM, Adzrago D, Odame E, Ahuja M, Awasthi M, Weierbach FW, Williams F; Stewart D; Paul T, Examining disparities in e-cigarette use among U.S. 2022

adults before and after the WHO declaration of the COVID-19 pandemic in March 2020. APHA 2022, Boston, Ma. Nov 6 – 9. Poster

- Adzrago D, Odame E, **Dada O**, Meyer C, Nriagu V, Paul T, Weierbach FW, Stewart D, Paul T, Mamudu HM. Effects Of Covid-19 On Cardiometabolic Outcomes (Diabetes, Hypertension, and Obesity). American Heart Association; Epidemiology, Prevention, Lifestyle & Cardiometabolic Health Conference. Mar 1 – 4. Poster 2022
- Roberson L., Naber J., Malm E., Thurmond J., Dodd, A., & **Dada, O**. Community Vitality: A Healthy Life for Everyone; A Four-Part Interdisciplinary Research Study. Poster presentation at the Kentucky Conference on Health Communication (April 7 - 9, 2022). 2022
- **Dada O**, and Ogunyiola A, The Spatial Pattern of Industrial Pollution and Water Quality Issues in Kentucky. SETAC 2021. Nov 14 - 18. Presentation. 2021
- **Dada O**, The Assessment of Spatial Distribution of Water Releases by 2021 Chemical and Industry in Kentucky. KentuckyView Earth Observation Day Virtual Event, 10/12/2021. Presentation. 2021
- Thurmond, J., Naber, J., Dodd, A., Roberson, L., Cross, S., Reid, K., Ballard, L., Malm, E., & **Dada, O**. (2021). Community Vitality: A Healthy Life for Everyone; A Four-Part Interdisciplinary Research Study. Poster presentation at the Professional Nurse Educators Group 47th Annual National Conference on Professional Nursing Education and Development (30 September, 2021). 2021
- **Dada O**, Chalbot M, Kavouras I, Characterization of Electronic Cigarette Liquid by 1D and 2D NMR Spectroscopy. SETAC 2019, Toronto, ON, Canada. Nov 3 - 7. Poster. 2019
- **Dada O**, Adunlin G, Cyrus J, Galadima H, Can Exposure to Environmental Chemical and Biological Agents Increase the Risk of Prostate Cancer and Its Outcome? AACR 2019, San Francisco, CA. September 20 – 23. Poster 2019
- **Dada O**, Chalbot M, Kavouras I, Characterization of Electronic Cigarette Liquid by Nuclear Magnetic Resonance (NMR) Spectroscopy. AIHce 2019, Minneapolis, MN. May 20 - 22. Poster. 2019
- **Dada O**, Chalbot M, Kavouras I, E-cigarettes: The Characterization of Electronic Cigarette Liquid by Nuclear Magnetic Resonance Spectroscopy. Southeastern Regional Research Symposium, Tampa, FL. April 4 - 5. Poster. 2019
- **Dada O**, Chalbot M, Demokritou P, Kavouras I, Molecular Profiling of Electronic Cigarette Liquids and Vapors by NMR spectroscopy. SETAC 2018, Sacramento, CA. Nov 3 - 7. Poster. 2018
- **Dada O**, Chalbot M, Demokritou P, Kavouras I, Investigation of Electronic Cigarette Refillable Solutions and Vapors. *AIHce 2018, Philadelphia, PA* May 21 - 23. Poster. 2018
- **Dada O**, Chalbot M, Kavouras I, E-cigarettes: Specifics of Electronic Cigarette Liquid Composition. Southeastern Regional Research Symposium, Savanna, GA. 3 – 4 April. Poster. 2018
- **Dada O**, Chalbot M, Kavouras I, E-cigarettes: Specifics of Electronic Cigarette Liquid Composition. Southeastern Environmental Conference, Perdido Beach, AL. October 31. Poster. 2017
- **Dada O**, Investigation of The Molecular Speciation of Electronic Cigarette Refillable Solutions and Vapors. The University of Alabama at Birmingham EHS Seminar Presentation. Oral 2017
- **Dada O**, E-cigarettes: A Solution to Tobacco Smoking or an Emerging Public Health Crisis. Alabama AIHA, ASSE, ASHMM, and Deep South ERC Future of The Profession. March 03. Oral 2017
- Allred J, Crawford S, **Dada O**, Chalbot M, Lungu C, Potential Respiratory Irritants in Artificial Fog. AIHce Conference, Seattle, Washington. June 2017. Poster. 2017

- **Dada O**, & Rahn J, Assessment of The Spatial Distribution of Toxic Release Inventory in Jefferson County, AL”. Samford University, Birmingham AL. 2016. Earth Day Poster Presentation. Poster 2016

### **KEY SKILLS & INTERESTS**

- Mastered the use of advanced chemical instrumentation: NMR spectroscopy ( $^1\text{D}$  H-NMR and  $^2\text{D}$  H-NMR)
- Mastered the use of particle counter instrumentation: CPC and WPS
- GIS skills gained through classes taken both in my undergraduate and graduate programs and current research.
- Ability to read and analyze topographic, GIS, and flood maps
- Proficient in MS Excel, PowerPoint, and Word – gained through training and self-study.
- Experience operating and calibrating Stormwater Lab Kit, Turbidity Meter, YSI
- R studio and R<sup>2</sup>
- Teamwork; gained through working with my colleagues on group projects, my work experience as an intern working alongside the geophysical crew
- Passionate and a transformational leader
- Enjoys watching movies, traveling, meeting new people, and listening to good music
- Languages; English, Yoruba