**BAMIDELE SUNDAY FAKINLE, *MSc. Ph.D***

**CURRICULUM VITAE**

# A. PERSONAL DATA

Name: FAKINLE, Bamidele Sunday

Date & Place of Birth: 22 April, 1979, Lagos State

Nationality: Nigerian

State of Origin/LGA: Lagos State/Ifako-Ijaiye

Permanent Home Address: Block J, Flat 1 Millennium Housing Estate,

Ijaiye-Ojokoro, Lagos State.

Current Postal Address/

Telephone Number/ Email: Department of Chemical Engineering,

Landmark University, PMB 1001, Omu-Aran, Nigeria.

08029078638, 08066265685

[fakinle.bamidele@lmu.edu.ng](mailto:fakinle.bamidele@lmu.edu.ng) , [xdales@yahoo.com](mailto:xdales@yahoo.com)

Marital Status: Single

Number of Children and their Age: None

# B. EDUCATIONAL BACKGROUND

(i) Institution Attended (with dates):

1. Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria. 2012 – 2015

2. Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria. 2009 – 2011

3. Lagos State University, Epe, Lagos State. Nigeria. 2001 – 2007

4. Ilorin Teachers’ College, Ilorin, Kwara State, Nigeria. 1991 – 1996

(ii) Academic and Professional Qualifications (with Dates)

1. Ph.D. in Chemical Engineering, September, 2015

2. M.Sc. in Chemical Engineering, July, 2011

3. B.Sc. in Chemical and Polymer Engineering, March, 2007

4. West African School Leaving Certificate, June, 1996

5. Council for the Regulation of Engineering in Nigeria, December, 2013 (R.26, 400)

6. The Nigerian Society of Engineers, January, 2022 (Corporate Member: 57901)

(iii)Other Distinctions and Awards (with Dates)

1. Certificate of Outstanding Contribution in Reviewing, *Urban Climate*, Elsevier. February, 2017.

2. Certificate of Reviewing, *Urban Climate*, Elsevier. April, 2017.

3. Cogent Engineering, Best Civil & Environmental Engineering Paper in 2019. June, 2020

# C. WORK EXPERIENCE

(i) Work Experience in Landmark University, Omu-Aran:

1. **Lecturer II:** Department of Chemical Engineering, College of Science and Engineering,

Landmark University, Omu-Aran, Kwara State, Nigeria. August 2014 – September 2015.

2. **Lecturer I (Step 9):** Department of Chemical Engineering, College of Science and

Engineering, Landmark University, Omu-Aran, Kwara State, Nigeria. October 2015 – August 2018.

3 **Senior Lecturer (Step 1):** Department of Chemical Engineering, College of Engineering,

Landmark University, Omu-Aran, Kwara State, Nigeria. September 2018 – October 2021.

4. **Associate Professor (Step 1):** Department of Chemical Engineering, College of Engineering, Landmark University, Omu-Aran, Kwara State, Nigeria. November 2021 – Till Date.

(ii) All other Work Experiences Indicating Position/Status, Name and Address of Employers:

1. **Chemistry Teacher:** (National Service, N.Y.S.C. scheme), Bayelsa State College of Arts and Science Model Secondary school Yenagoa, Bayelsa State, Nigeria. October 2007- September 2008.

2. **Industrial Training:** Nigerian Breweries Iganmu Lagos State. April 2005 –September 2005

(iii) Present Employment, Status and Salary

1. Department of Chemical Engineering, College of Engineering, Landmark University, Omu-Aran, Kwara State, Nigeria. **Associate Professor (Step 1)**. Salary: ₦ 367,778.56 per month

(iv)Courses Taught in Landmark University, Omu-Aran

GEC 210: Engineering Mathematics I (2 unit)

CHE 310: Chemical Engineering Process Analysis I (3 units)

CHE 317: Computer Packages for Chemical Engineers (3 units)

CHE 412: Chemical Engineering Laboratory III

CHE 513: Chemical Engineering Process Design I (3 units)

CHE 516: Chemical Reaction Engineering III (3 units)

CHE 517: Industrial Hazard and Environmental Pollution (3 units)

CHE 518: Introduction to Polymer Engineering and Processing (3 units)

GEC 220: Engineering Mathematics II (2 unit)

CHE 320: Chemical Engineering Process Analysis II (3 units)

CHE 322: Chemical Engineering Laboratory II (3 units)

CHE 523: Chemical Engineering Process Design II (3 units)

CHE 528: Petroleum Refinery Engineering and Petrochemical Technology (3 unit)

(v) Research Interests and Activities

1. Research in Environmental Engineering, Air quality, Dispersion Modelling and Air

quality Control

1. **List of B.Sc. Project Supervised**
2. Onuoha, M. M. (2016) Investigation of Particulate Matter Emission from Diesel and Gasoline Engine in the North Central Region of Nigeria. 11BB001138
3. Modebelu, C. G. (2016) Investigation on Air emission of NOx from Refined Gasoline and Diesel Consumption in the North Central States in Nigeria. 11BB001125
4. Iroko, D. A. (2016) Investigation of Carbon monoxide emission from Diesel and Gasoline Engine in North Central Region of Nigeria. 11BB001123
5. Akeju, A. O. (2017) Assessment of Indoor particulate mixing ratio in Landmark University, Omu- Aran. 12BB001814
6. Keshinro, T. J. (2017) Investigating the Power Generation impact on Ambient Air Quality in Landmark University, Omu-Aran. 12BB001837
7. Igbinoba, R. E. (2017) Investigation of Methane Emission from Landmark University Farm using Statistical Approach.
8. Uboho U. E. (2017) Investigation of Municipal Solid Waste Management in Geopolitical Zone in Nigeria. 12BB001855
9. Bakut C. B. (2018) Contribution of BTEX to Nigeria’s Airshed by Petroleum Refineries. 13BB002540
10. Ije H. E. (2018) Investigation of Air Pollutant from Some Combustion Processes in Lagos, Nigeria. 13BB002563
11. Uzodinma O. B. (2019) Analysis on the Impact of Elemental Composition of Particulate Matter in the Airshed of Landmark University Farm. 14BB003180
12. Adebayo B. M. (2019) Investigation of Toxicity Potential of Particulate in the Air Shed of Landmark University Farm. 14BB003166

(vi)Service and Administrative Experience

(a). Departmental level

1. Departmental SIWES Coordinator (Aug 2014 – 2018).

2. Level Adviser (Aug 2014 – till Date)

3. Chairman, Departmental Research Cluster Committee (2016/2017 Academic Session)

4. Chairman, Departmental Forensic Committee (2016/2017 Academic Session)

5. Departmental Postgraduate Coordinator (2019/2020 Academic Session).

(b) Faculty level

1. Member, Faculty Research Cluster Committee (2016/2017 Academic Session)

(c) University level

1. Coordinator (College of Engineering) Centre for Research Innovation and Development (2019/2020 Academic Session)

2. Coordinator, Sustainable Development Goals (Goal 13: Climate action research group)

# D. CONFERENCE/ COURSES ATTENDED:

1. 44th Annual Conference Exhibition and Annual General Meeting of the Nigerian Society of Chemical Engineers, Warri, Delta State. November, 2015.
2. 26th COREN Engineering Assembly, ICC Abuja (2017). Entrepreneurship and Manufacturing in Nigeria: Challenges and Opportunities for a better future
3. 20th International Conference of Nigerian Institute of Agricultural Engineers. Theme: Innovations and Technologies for Sustainable Agricultural Mechanization and Livestock Transformation for Economic Growth at ICC, Landmark University, Omu-Aran, Nigeria. September, 2019.
4. 49th Annual Conference Exhibition and Annual General Meeting of the Nigerian Society of Chemical Engineers, Kaduna, Kaduna State. November, 2019
5. The 50th Nigerian Society of Chemical Engineer’s Annual Conference and Annual General Meeting. Zoom Video Conferencing Platform. November, 2020.
6. 29th COREN Engineering Assembly, ICC Abuja (2021). Advancing the Frontiers Practitioners and Entrenching Professionalism for National Development.
7. 54th Annual Conference and General Meeting of the Nigerian Society of Engineers, ICC Abuja. Expansion of the Energy Mix for National Economic Growth. December, 2021.

**E. PUBLICATIONS**

**(a) Thesis / Dissertation**

1. **B.S. Fakinle** (2015) Assessment of Gaseous Emissions from Open Burning of Some Common Fuelwoods in Southwestern Nigeria. Doctor of Philosophy (Ph.D.) Thesis, Chemical Engineering Department, Obafemi Awolowo University, Ile – Ife, Nigeria.

2. **B.S. Fakinle** (2011) “Evaluation of Mixing Ratio of Particulate Pollutant in the Airshed of a Major Transport Pool. Masters of Science (M.Sc.) Thesis, Chemical Engineering Department, Obafemi Awolowo University, Ile – Ife, Nigeria.

3. **B.S. Fakinle** (2007) Modelling and Simulation of Biochemical Treatment of Brewery Effluent. Bachelor of Science, (B.Sc.) Thesis, Chemical and Polymer Engineering Department, Lagos State University, Epe Campus, Lagos State.

**(b) Books/Monographs: Nil**

**(c) Published Articles**

1. **Fakinle, B. S.,** Sonibare, J. A., Akeredolu, F. A., Okedere, O. B., and Jimoda, L. A. (2013) Toxicity Potential of Particulates in the Airshed of Haulage Vehicle Park. *Global Nest Journal*. 15(4): 466-473. (Indexed in Thomson Reuters, Scopus) (Greece)
2. Okedere, O. B., Sonibare, J. A., **Fakinle, B. S.**, and Jimoda, L. A. (2013). Usefulness of Particulate Cyclone in Air Pollution Control. *Emerald Management of Environmental Quality*. 24(6): 771-781. (Indexed in Scopus) (UK)
3. Jimoda, L. A., Adeniran, J. A., **Fakinle, B. S.**, and Sonibare, J. A. (2013). Particle Counts and Size Distributions in Local Garri Processing Environment. *Innovative Design and Engineering.* 4(9): 2222 – 2871 (Indexed in EBSCO, Google Scholar, Cross ref)
4. Sonibare, J. A., Adeniran, J. A., **Fakinle, B. S.,** Latinwo, I. O., Jimoda, L. A., and Olu-Arotiowa, O. A. (2014) Ambient Noise from Off-Grid Diesel Engines Electric Power Generators in an Urban Environment. *Emerald Management of Environmental Quality: An International Journal.* 25(2):186 – 199. (Indexed in Scopus) (UK)
5. L. A. Jimoda, S. O. Olatunji, J. A. Adeniran, **B. S. Fakinle** andJ. A. Sonibare (2014) Atmospheric Loadings of Lead from Refined Petroleum Products Consumption in Southwestern Nigeria. *Petroleum Science and Technology*. Index in Taylor and Francis, 2:2921-2929 (Thomson Reuter, Scopus). (USA)
6. O. B. Okedere, J. A. Sonibare, **B. S. Fakinle** and L. A. Jimoda (2014) Effects of Cone Inclination and Height on Cyclone Pressure Drop and Power Requirement. *Journal of the Nigerian Society of Chemical Engineers*. 29(1): 89-96
7. O. S. Olatunji, L. A. Jimoda, **B. S. Fakinle**, J. A. Adeniran and J. A. Sonibare (2015) Total Sulphur Levels in Refined Petroleum Products of Southwestern Nigeria Using UV/VIS Spectrophotometer. *Petroleum Science and Technology*. Index in Taylor and Francis, 33: 102 – 109. (Thomson Reuter, Scopus) (USA)
8. L. A. Jimoda, J. A. Sonibare, **B. S. Fakinle**, J. A. Adeniran, F. A. Akeredolu and O. Seriki (2015) Impact of Airport Activities on Local Scale Air Quality. *International Journal of Current Research and Academic Review.* 2: 102 – 111 (Indexed in Cross ref, CAS) (India)
9. S. O. Olatunji, **B. S. Fakinle,** L. A. Jimoda, J. A. Adeniran and A. J. Adesanmi (2015) Air Emissions of Sulphur Dioxide from Gasoline and Diesel Consumption in the Southwestern States of Nigeria. *Petroleum Science and Technology*. Index in Taylor and Francis, 33: 678 – 685. (Thomson Reuter, Scopus) (USA)
10. O. B. Okedere, **B. S. Fakinle** and J. A. Sonibare (2015) Ground Level Concentrations of Hydrocarbon Emissions from Diesel Fuelled Electric Power Generators. *Global Nest Journal*. 17(4): 673 – 681(Index in Thomson Reuter, Scopus) (Greece)
11. **B. S. Fakinle**, J. A Adeniran, J. A Sonibare O. B. Okedere and L. A. Jimoda (2015) Fine Particulate Concentrations in the Ambient Environment of a Major Haulage Vehicle Park. *Ife Journal of Technology* 23(2): 10 – 13
12. **B. S. Fakinle,** J. A. Sonibare, O. B. Okedere, L. A. Jimoda and C. O. Ayodele (2016) Air Quality Index Pattern of Particulate around a Haulage Vehicle Park. *Cogent Environmental Science*. Part of Taylor and Francis group, 2:1208448. (Index in Taylor and Francis) (UK)
13. C. O. Ayodele, **B. S. Fakinle**, L. A. Jimoda and J. A. Sonibare (2016) Investigation on the Ambient Air Quality in a Hospital Environment. *Cogent Environmental Science*. Part of Taylor and Francis group. 2: 1215281 (Index in Taylor and Francis) (UK)
14. A. J. Adesanmi, J. A. Adeniran, **B. S. Fakinle,** L. A. Jimoda, R. O. Yusuf and J. A. Sonibare (2016) Ground level Concentration of some Air Pollutants from Nigeria Thermal Power Plants. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. Taylor and Francis. 38(16): 2426 – 2432. (Index in Thomson Reuter, Scopus) (USA)
15. Odekanle E. L, **Fakinle B. S**, Akeredolu F. A, Sonibare J. A and Adesanmi A. J (2016)

Personal Exposures to Particulate Matter in Various Modes of Transport in Lagos City, Nigeria. *Cogent Environmental Science*. Part of Taylor and Francis Group 2: 1260857 (Index in Taylor and Francis) (UK)

16. Adeniran, J. A., Yusuf, R. O., Jimoda, L. A., **Fakinle, B. S.,** and Sonibare, J. A. (2016)

Airborne Particulate Matter in the Atmospheric Environment of a Tobacco

Manufacturing Plant. *Umudike Journal of Engineering and Technology*. 2(2): 129 – 138

17. Odekanle E. L., **Fakinle B. S.,** Jimoda, L. A., Okedere O. B., Akeredolu F. A., and Sonibare J. A. (2017) In-vehicle and pedestrian exposure to carbon monoxide and volatile organic compounds in a mega city. *Urban Climate, Elsevier.* 21: 173 – 182

DOI: 10.1016/j.uclim.2017.06.004 (Index in Scopus)

18. **Fakinle, B. S.,** Olalekan, A. P., and Adesanmi, A. J (2017) Emissions from Petroleum Products Consumption in North Central Region of Nigeria. *Petroleum Science and Technology*. 35(10): 1001 – 1007. Taylor and Francis (Index in Thomson Reuter, Scopus) (USA)

1. **Fakinle, B. S.,** Adesanmi, A. J., Olalekan, A. P., Alagbe., A. A., Odekanle, E. L., and Sonibare, J. A (2017) Changes in Evaporative Emissions from Gasoline in the Nigeria Market. *Petroleum Science and Technology*. 35(10): 1040 – 1046. Taylor and Francis. (Index in Thomson Reuter, Scopus) (USA)
2. **Fakinle, B. S.,** Okedere, O. B., Seriki, O, Adesanmi, A. J and Sonibare, J. A (2017)An Estimation of a Trace Gaseous Emission Factor from Combustion of Common Fuelwood Species in South-western Nigeria. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. 39(12): 1298 – 1306. Taylor and Francis. (Index in Thomson Reuter, Scopus) (USA)
3. O. B. Okedere, **B. S. Fakinle,** J. A. Sonibare, F. B. Elehinafe and O. A. Adesina (2017) Particulate Matter Pollution from Open Burning of Sawdust in Southwestern Nigeria. *Cogent Environmental Science.* Part of Taylor and Francis Group. 3: 1367112 (Index in Taylor and Francis) (UK)
4. **Fakinle, B. S.,** Okedere O. B., Sonibare J. A., and Elehinafe F. B.(2017) Impact of Trace Gaseous Emission from Fuelwood Species on Ground Level Air Quality. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. 39(17): 1831 – 1841. Taylor and Francis. (Index in Thomson Reuter, Scopus) (USA)
5. **Fakinle, B. S.,** Okedere, O. B., Okenwa, C. P. and Sonibare, J. A. (2017) ED-XRF Analysis of Wet Deposition around Metal Recycling Plant. *Ife Journal of Science.* 19(2): 315 – 321
6. Elehinafe, F. B., Okedere, O. B., **Fakinle, B. S.,** and Sonibare, J. A. (2017) Assessment of Sawdust of different Wood Species in Southwestern Nigeria as Source of Energy. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. 39(18)1901 – 1905. Taylor and Francis. (Index in Thomson Reuter, Scopus) (USA)
7. Okedere, O. B., **Fakinle, B. S.,** and Sonibare, J. A., (2018) Consumption of Premium Motor Spirit and Automotive Gas Oil in Nigeria: Implication for a Greenhouse Gas Emission**.** *Ife Journal of Science and Technology.* 1(2): 276 – 295
8. Adepoju, T. T., Adesina, O. A., **Fakinle, B. S.,** Okedere, O. B., and Sonibare, J. A. (2018) Estimation of Global Warming Agent from Road Transport System in Nigeria. *Petroleum and Coal.* 60(4): 554 – 559 (Index in Scopus)
9. Adepoju, T. T., **Fakinle, B. S,** Adesina, O. A., Okedere, O. B., and Sonibare, J. A (2018) Estimation of Gaseous Criteria Air Pollutants from Road Transport System in Lagos Metropolis of Nigeria. *Environmental Quality Management*. 27(4): 155 – 162 Wiley (Index in Scopus)
10. **Fakinle, B. S.,** Odekanle E. L., Olalekan, A. P., Odunlami, O. A. and Sonibare, J. A. (2018) Impacts of Polycyclic Aromatic Hydrocarbons (PAHs) from Vehicular Activities on the Ambient Air Quality of Lagos Mega City. *Environmental Quality Management*. 27(4): 73 – 78 Wiley (Index in Scopus)
11. **Fakinle, B. S.,** Okedere, O. B. and Sonibare, J. A. (2018) Impact of Power Plant Greenhouse Gases Emissions in an Urban Environment. *Petroleum and Coal.* 60(5):1015 – 1020. (Index in Scopus)
12. Odunlami, O. A., Elehinafe, F. B., Okorie C. G., Abioye, O. P., Abioye, A. A. and **Fakinle, B. S.** (2018) Assessment of In-Tricycle Exposure to Carbon Monoxide Emission on Roads in Nigerian Urban Centres. *International Journal of Mechanical Engineering and Technology.* 9(9): 671 – 684 (Index in Scopus)
13. Odunlami, O. A., Elehinafe, F. B., Oladimeji, T. E., Fajobi, M. A., Akeredolu, F. A., Okedere, O. B., and **Fakinle, B. S** (2018) Implications of Lack of Maintenance of Vehicles on Ambient Air Quality. *International Journal of Mechanical Engineering and Technology.* 9(9): 647 – 654 (Index in Scopus)
14. A. A. Oki., **B. S. Fakinle**., and J. A Sonibare (2018) Criteria Air Pollutants from Cement Production in Nigeria. *Environmental Quality Management*. 28(1):107 – 113 Wiley (Index in Scopus)
15. **Fakinle, B. S.,** Oni, O. S., Olalekan, A. P., Sonibare, J. A., Okedere, O. B., Odunlami, O. A (2018) Total Suspended Solids and Volatile Organic Compounds in the Airshed of a Reconstructed Road Along Lagos-Ibadan Express Way. *International Journal of Civil Engineering and Technology.* 9(11):2420 – 2427 (Index in Scopus)
16. Otolorin, J. A., Odunlami, O. A., **Fakinle, B. S.,** Alagbe, A. A., Adeniran, J. A., Sonibare, J. A. and Akeredolu, F. A (2018) Indoor Air Quality Level of Total Volatile Organic Compounds (TVOCS) in a University Offices. *International Journal of Civil Engineering and Technology*. 9(11):2872 – 2882 (Index in Scopus)
17. **B. S. Fakinle**., A. A. Oki., and J. A Sonibare (2018) Dispersion Modelling of Air Emissions from All Cement Plants in Nigeria. *International Journal of Mechanical Engineering and Technology*. 9(13):1155 – 1171 (Index in Scopus)
18. Okedere, O. B., **Fakinle, B. S.**, and Sonibare, J. A (2018) Annual estimates of air pollutants from utilization of diesel as energy source at base transceiver stations. *Environmental Quality Management*. 28(2): 129 – 135 (Index in Scopus)
19. Adeniran, J. A., Yusuf, R. O., **Fakinle, B. S.,** and Sonibare, J. A (2019) Air Quality Assessment and Modelling of Pollutants Emission from a major Cement Plant Complex in Nigeria. *Atmospheric Pollution Research*. 10: 257 – 266 (Index in Thomson Reuter, Scopus) (USA)
20. **Fakinle, B. S.,** Okedere, O. B., Adebanjo, S. A., Adesanmi, A. J., and Sonibare, J. A (2019) Air Quality Impact of Carbon Monoxide Emission from Diesel Engine Electric Power Generators. *Environmental Quality Management*. 28(3):97 – 102 Wiley DOI: 10.1002/tqem.21605 (Index in Scopus)
21. Olalekan, A. P., **Fakinle, B. S.,** Dada, A, O., Akpor O. B and Oribayo O (2019) Optimization of Lead Adsorption on Rice-Husk Supported Zerovalent iron Nanoparticles Using Response Surface Methodology. *Nano Hybrids and Composite*.25:1-11 (Index in ESCI Web of Science, Thomson Reuter)
22. Okedere, O. B., **Fakinle, B. S.,** and Ajala, O. E., (2019) Particulates and Carbon monoxide Pollution on Production Floor of Steel Recycling Plant. *Environmental Quality Management*. 28(4): 33 – 36 Wiley DOI: 10.1002/tqem.21640 (Index in Scopus)
23. **Fakinle, B. S.,** Oke, D. O., Odunlami, O. A., Sonibare, J. A., Akeredolu F. A. and Oni, O. S. (2019) Emission Characterization and Performance of Conventional Liquefied Petroleum Gas Cookstove Burners. *Cogent Engineering,* Part of Taylor and Francis Group. 6: 1652228 DOI: 10.1080/23311916.2019.165228 (Index in Scopus)
24. Bola-Popoola, A. G., **Fakinle, B. S.**, Odunlami, O. A., Sonibare, J. A., and Odekanle, E. L., (2019) Investigation and Quantification of Carbon Footprint in Lagos Megacity. *Cogent Engineering*. Part of Taylor and Francis Group. 6: 1703470 DOI: 10.1080/23311916.2019.1703470 (Indexed in Scopus)
25. **Fakinle, B. S.,** and Sonibare, J. A. (2020) Gaseous Emissions from Combustion of Common Fuelwood Species in South-west Nigeria. *Chemical Data Collections*. 25: 100333. DOI: 10.1016/j.cdc.2019.100333 (Index in Scopus)
26. **Fakinle, B. S.,** Uzodinma O. B., Odekanle, E. L. and Sonibare, J. A. (2020) Impact of elemental composition of particulate matter in the airshed of a University Farm on the local air quality. *Heliyon* 6(1): e03216. DOI: 10.1016/j.heliyon.2020.e03216 (Index in Scopus)
27. Adeleke A. I., **Fakinle B. S.**, Odunlami O. A. and Sonibare J. A. (2020) Spatial Biomonitoring of Airborne Heavy Metals Emitted from a Steel Recycling Plant. *Management of Environmental Quality*. 31(3): 548 – 563. DOI: 1108/MEQ-07-2019-0164. (Index in Scopus)
28. Odekanle E. L., Sonibare O. O., Odejobi O. J., **Fakinle B. S.,** and Akeredolu F. A. (2020) Air Emissions and Health Risk Assessment around Abattoir. *Heliyon* 6(7): e04365 DOI: 10.1016/j.heliyon.2020.e04365 (Index in Scopus)
29. **Fakinle, B. S.,** Odekanle, E. L., Olalekan, A. P., Ije, H. E., Oke, D. O., and Sonibare, J. A (2020) Air Pollutant Emissions by Anthropogenic Combustion Processes in Lagos, Nigeria. *Cogent Engineering.* 7:1, 1808285. DOI:10.1080/23311916.2020.1808285. (Index in Scopus)
30. Akeredolu, F. A., Sonibare, J. A., **Fakinle, B. S.** and Jimoda, L. A (2020) Dispersion Modelling of Air Emission from a Rice Milling Plant. *Journal of the Nigeria Society of Chemical Engineers*. 35(1): 84 – 94.
31. Oke, D. O., **Fakinle, B. S.,** Sonibare, J. A., and Akeredolu, F. A (2020) Evaluation of emission indices and air quality implications of liquefied Petroleum Gas Burners. *Heliyon* 6(8): e04755 DOI: 10.1016/j.heliyon.2020.e04755 (Index in Scopus)
32. Onakpohor, A., **Fakinle, B. S.,** Sonibare, J. A., Oke, M. A. and Akeredolu, F. A. (2020) Investigation of Air Emissions from Artisanal Petroleum Refineries in the Niger-Delta Nigeria. *Heliyon* 6(11): e05608 DOI: 10.1016/j.heliyon.2020.e05608 (Index in Scopus)
33. **Fakinle, B. S.,** Olalekan, A. P., Odekanle, E. L. Bakut, C. B., Ogundokun, R. O., Sonibare, J. A. and Aremu, C. O (2021) Assessment of the Contribution of Hazardous Air Pollutants from Nigeria’s Petroleum Refineries to Ambient Air Quality. Part 1. *Cogent Engineering.* 8: 1870792 DOI: 10.1080/23311916.2020.1870792 (Index in Scopus)
34. Odekanle, E. L., Bakut, C. B., Olalekan, A. P., Ogundokun, R. O., Aremu, C. O., Sonibare, J. A. Akande, O. T., Olayanju, A. T. and **Fakinke, B. S.** (2021) Assessment of the Contribution of TEX Air pollutants from Nigeria’s Petroleum Refineries to the Ambient Air Quality. Part II. *Cogent Engineering*. 8:1, 1947007 DOI: 10.1080/23311916.2021.1947007 [Scopus Index]
35. **Fakinle, B. S.**, Odekanle, E. L., Okunlola, O. S., Oke, D. O., Aremu, C. O., Sonibare, J. A. and Akeredolu, F. A. (2021) Spatial Dispersion Modelling of Air Emissions from a Farm Using Gaussian Model. *Environmental Quality Management*. 1-7. DOI: 10.1002/tqem.21752 [Scopus]
36. Adesanmi, A. J., Okedere, O. B., Sonibare, J. A., Elehinafe, F. B. and **Fakinke, B. S.** (2021) Atmospheric Particulate Fractions from Nigerian Crude Oil Spillage. *Environmental Challenges*. 5: 100334. DOI: 10.1016/j.envc.2021.100334

**(d) Articles Accepted for Publications:** Nil

**(e) Referred Conference Proceedings:**

1 Okedere, O. B., **Fakinle, B. S.,** Odunlami, O. A and Elehinafe, F. B (2017) Dispersion Modelling of Particulate Emission from Off-Grid Diesel Engine Electric Power Generators. *Proceeding of the O A U Faculty of Technology Conference.* 98 – 103.

1. Odunlami, O. A., Elehinafe, F. B., Oladimeji, T. E., Fajobi, M. A., Okedere, O. B. and **Fakinle, B. S** (2018) Implications of Lack of Maintenance of motocycles on Ambient Air Quality. *IOP Conference Series: Materials Science and Engineering.* 413(1): 1 – 7. (Index in Scopus)
2. **B. S. Fakinle,** B. M. Adebayo, C. O. Aremu and J. A. Sonibare (2020) Toxicity Potential of Particulate in the Airshed of a University Farm. *IOP Conference Series: Earth and Environmental Science.* 445:012036. DOI:10.1088/1755-1315/445/1/012036 (Index in Scopus)
3. Elehinafe, F. B., Okedere, O. B., **Fakinle, B. S.,** and Sonibare, J. A. (2021) The Impacts of Outdoor Concentration of Nitrogen Dioxide on its indoor Level. Journal of Physics: Conference Series. 1734(1): 012027 DOI: 10.1088/1742-6596/1734/1/012027 (Index in Scopus)

**(f) Manuscripts submitted for Publication:**Two

**(g) Technical Reports:**

1. Sonibare J. A. and **Fakinle, B. S.** (2011) Air Quality Assessment Report: In support of Environmental Audit (EA) of Con Oil Plc., Apapa Plant, Lagos State. Prepared for GSEE Limited (Safety and Environmental Consultants, Oil and Gas Services). Plot 17, Suit 305, Ahmed Onibudo Street, Victoria Island, Lagos. July, 2011

2. Sonibare J. A and **Fakinle, B. S.** (2012e) Stack Emission Monitoring Report: Emissions Measurements at Procter and Gamble Nig. Ltd. Ibadan Plant. Prepared for P&G Nigeria Ltd., 1st Commercial Road, Oluyole Industrial Estate, Ibadan. Nigeria. January, 2012.

3. Sonibare J. A. and **Fakinle, B. S.** (2012a) Ambient Air Quality and Noise Levels Compliance Monitoring Report: Measurements at Nigerian Flour Mills Plc, Lagos Factory (1st Quarter, 2012).Prepared for Jawura Environmental Services, 77 Ikorodu Road, Lagos. March, 2012.

4. Sonibare J. A. and **Fakinle, B. S.** (2012b) Ambient Air Quality and Noise Levels Compliance Monitoring Report: Measurements at Nigerian Breweries Plc, Iganmu, Lagos (2nd Quarter, 2012).Prepared for Jawura Environmental Services, 77 Ikorodu Road, Lagos. June, 2012.

5. Sonibare J. A. and **Fakinle, B. S.** (2012c) Ambient Air Quality and Noise Levels Compliance Monitoring Report: Measurements at Guinness Nigeria Plc, Ogba Lagos Plant (3rd Quarter, 2012).Prepared for Jawura Environmental Services, 77 Ikorodu Road, Lagos. October, 2012.

6. Sonibare J. A. and **Fakinle, B. S.** (2012d) Ambient Air Quality and Noise Levels Compliance Monitoring Report: Measurements at Guinness Nigeria Plc, Benin City Plant (3rd Quarter, 2012).Prepared for Jawura Environmental Services, 77 Ikorodu Road, Lagos. October, 2012.

1. Sonibare J. A. and **Fakinle, B. S.** (2013) Atmospheric Conditions Assessment: Post Impact Assessment (PIA) of Bonga and Mystery Oil Spill. Prepared for Halden Nigeria Ltd., Ekpeli Drive, Plot 229 Trans Amadi Industrial Layout Phase 2, Port Harcourt. June, 2013.
2. Sonibare J. A**.** and **Fakinle, B. S.** (2013) Atmospheric Conditions Assessment: In Support of Bonga Main Environmental Evaluation Study. Prepared for Halden Nigeria Ltd., Ekpeli Drive, Plot 229 Trans Amadi Industrial Layout Phase 2, Port Harcourt. October, 2013.
3. Sonibare J. A. and **Fakinle, B. S.** (2013a) Atmospheric Conditions Assessment: In Support of Bonga Field Northwest Extension Environmental Evaluation Report (EER) Based Environmental Impact Assessment (EIA). Prepared for Halden Nigeria Ltd., Ekpeli Drive, Plot 229 Trans Amadi Industrial Layout Phase 2, Port Harcourt. October, 2013.
4. Sonibare J. A**.** and **Fakinle B. S.** (2014j) Atmospheric Conditions Assessment: in support of TOTAL OPL 285 Environmental Impact Assessment (EIA). Prepared for International Energy Services Ltd., Energy House, 94 Obafemi Awolowo Road Ikoyi, Lagos. August, 2014
5. Sonibare, J. A.and **Fakinle B. S** (2015a) Stack Emission and Ambient Air Quality Monitoring Report: Emissions Measurements at West African Portland Cement Company Sagamu, Ogun State. Prepared for ABC Consult, Ile-Ife. October, 2015.
6. Sonibare, J. A. and **Fakinle, B. S**. (2016l). Atmospheric Conditions Assessment Report: A Study in Support of Environmental Assessment (EA) of Agip Irri Flow Station, Delta State Nigeria. Prepared for Jawura Environmental Services, 77 Ikorodu Road, Fadeyi, Lagos. May 2016.
7. Sonibare, J. A. and **Fakinle, B. S.** (2016k). Atmospheric Conditions Assessment Report: A Study in Support of Post Impact Assessment (PIA) of Agip Termiinal, Twon-Brass, Bayelsa State Nigeria. Prepared for Jawura Environmental Services, 77 Ikorodu Road, Fadeyi, Lagos. December 2016.
8. Sonibare J. A., **Fakinle B. S**., and Adesanmi, A.J.(2016w) “Stack Emission and Ambient Air Quality Monitoring Report: Emissions Measurements at West African Portland Cement Company, Sagamu, Ogun State 4th Quarter, 2016. Prepared for ABC Consult, Ile-Ife. December, 2016

15. Sonibare J. A.**,** Adesanmi, A. J.and **Fakinle B. S** (2016x) “Atmospheric Conditions Assessment: Lafarge Cement Wapco Nigeria Plc. Sagamu Factory, Ogun State. Prepared for ABC Consult, Ile-Ife. December, 2016

16. Sonibare J. A.**, Fakinle B. S.**, and Adesanmi, A. J. (2016t). Atmospheric Conditions Assessment: In Support of Environmental Impact Assessment (EIA) of the Proposed Southport Cement Plant, Onigbedu, Ewekoro Local Government Area, Ogun State, Nigeria. Prepared for EnvironQuest Nigeria Limited, Ground Floor, Mamman Kotangora House. 23A, Marina, Lagos, Lagos State. January 2017

1. Sonibare J. A., **Fakinle B. S**., and Adesanmi, A. J. (2016) Atmospheric Conditions Assessment: A Report on Redeem Christian Church of God (RCCG) 25 MW Captive Power Plant Project RCCG Main Camp Ground km 46, Lagos Ibadan Expressway Ogun State. Prepared for Bristock International Services Ltd., Lagos. February 2017.

**F. COMMUNITY SERVICES:**

Millennium Development Goals (MDG)

Sustainable Development Goals (SDG)

**G. PROFESSIONAL ACTIVITIES**

In addition to my active involvement in research at the Environmental Engineering Research Laboratory at the Department of Chemical Engineering Obafemi Awolowo University during my postgraduate study, I have participated in several air quality studies in the industries. This was with the view of determining the suitability or otherwise of the location of some of the engineering firms and their level of compliance with environmental regulations. Results from these have also been used to determine how effectively some of the engineering firms can optimally perform for sustainable development. Some of the projects completed so far are listed in item **E**(g). I am computer literate.

**H. EXTRA CURRICULAR ACTIVITIES**

Reading, Writing, Travelling, Singing and Music.

**I. REFEREES**

1. Prof. J. A. Sonibare

Department of Chemical Engineering,

Obafemi Awolowo University, Ile-Ife, Nigeria

Email: [asonibar@oauife.edu.ng](mailto:asonibar@oauife.edu.ng), [asonibar@yahoo.com](mailto:asonibar@yahoo.com)

1. Prof. E. Betiku

Department of Chemical Engineering,

Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria

Email: [ebetiku@oauife.edu.ng](mailto:ebetiku@oauife.edu.ng)

1. Dr. A. S. Osunleke

Department of Chemical Engineering

Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria

Email: [aosunleke@oauife.edu.ng](mailto:aosunleke@oauife.edu.ng)

## Signature: Date: