CURRICULUM VITAE

Name: Oladiran Johnson **ABIMBOLA**

Nationality: Nigerian

Present Position: Professor

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https://scholar.google.com/citations?user=011wbooAAAAJ&hl=en

UNIVERSITY EDUCATION:

INSTITUTION	DEGREE	PERIOD
University of Ilorin, Ilorin, Kwara State, Nigeria.	Ph.D. (Atmospheric Physics)	2011 - 2017
University of Jos, Jos, Plateau State, Nigeria.	M.Sc. (Applied Physics)	2003 – 2006
Obafemi Awolowo University, Ile – Ife, Osun State Nigeria.	B.Sc. (Hons, Physics)	1995 – 2000

COMMUNITY SERVICES WITHIN AND OUTSIDE FEDERAL UNIVERSITY OF LAFIA

S/N	COMMUNITY SERVICE	PERIOD
1.	Rotary Volunteer	2026 – till date
2.	Member, Faculty Time-Table Committee	February 8, 2016 – January 6, 2018
3.	Member, Senate Committee on Examination Misconduct	August 4, 2014 – February 27, 2018
4.	President, Nigerian Society of Physical Sciences (NSPS)	January 1, 2019 – till date
5.	Editor and Production Manager, Journal of the Nigerian Society of Physical Sciences (JNSPS), published by NSPS.	May 14, 2019 – till date
6.	Editor, Physics Memoir, published by the Department of Physics, FULAFIA.	December 6, 2018 – till date
7.	Staff Adviser to the National Association of Physics Students (NAPS), FULAFIA Chapter	October 1, 2018 – till date
8.	Co-Chairman: Faculty of Science Committee on Public Lecture and Conference	February 6, 2024 – till date
9.	Member: Faculty of Science Seminar Committee	February 7, 2024 – till date

PROFESSIONAL BODIES AFFILIATION

1. Life Member, Nigerian Society of Physical Sciences (NSPS), February 6th, 2019. Membership Number: 77829867.
2. Member, Nigerian Institute of Physics (NIP), November 9th, 2003. Membership Number: NIP/0/03/074.
3. Member, American Meteorological Society, January 12th, 2018.

WORKSHOPS/CONFERENCES ATTENDED

(1). 4rd Conference of the Nigerian Society of Physical Sciences, NSPS-ABU, 2026. Organized by the Nigerian Society of Physical Sciences in conjunction with the Faculty of Physical Sciences, Ahmadu Bello University, Zaria, Nigeria. February 9th, 2026 to February 14th, 2026.

(2). 3rd Conference of the Nigerian Society of Physical Sciences, NSPS-FUOYE, 2025. Organized by the Nigerian Society of Physical Sciences in conjunction with the Faculty of Science, Federal University Oye-Ekiti, Nigeria. February 3rd, 2025 to February 6th, 2025.

(3). Maiden International Conference of the Faculty of Science, Federal University of Lafia, Nigeria. January 27th, 2025 to January 31st, 2025.

(4). 2nd Conference of the Nigerian Society of Physical Sciences, KWASU, Malete 2024. Organized by the Nigerian Society of Physical Sciences in conjunction with the Faculty of Pure and Applied Sciences, Kwara State University, Nigeria. February 1st, 2024 to February 4th, 2024.

(5). Online School on Space and Atmospheric Physics. Organized by Department of Physics, St. Xavier's College, Kathmandu, Nepal, in collaboration with Universidade do Vale do Paraíba, Brazil, held on August 5 - 7, 2020.

(6). Virtual Conference tagged: Parallels between Biodiversity COVID-19 and Climate Change, organized by SGE Initiative on June 5th, 2020.

(7). Participant and Raporteur at the United Nations 75 Dialogue (UN75) on CLIMATE CRISIS on behalf of the Centre for International Education University of Ilorin, Ilorin, Nigeria from 6th - 20th April, 2020.

(8). 2nd Annual Research Conference 2016: Overcoming Challenges of Development through Indigenous Research Excellence, held at the Federal University Lafia, Nasarawa State, Nigeria, 3rd and 4th February 2016.

(9). 4th International Workshop on Space Weather and Earth's Surface Phenomenon, held at The Bells University of Technology, Ota Ogun State, Nigeria, 10th – 15th May, 2015.

(10). 28th Annual Conference of the Nigerian Institute of Physics (NIP), held at Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria, 17th – 20th August, 2005.

(11). A two-day workshop on Space Science and Technology & Geographic Information System (GIS) for Educators, held at the National Center for Remote Sensing (NCRS), Jos, Nigeria, 12th -13th July, 2001.

JOURNAL PUBLICATIONS (ORCID ID: orcid.org/0000-0002-8405-7754):

(1). Monday Sunday Adiaha and **Oladiran Johnson Abimbola** (2025). Mathematical Exploration of Wave Motion due to Earth-Space Force (Ground Action) Consequences. **Sabaragamuwa University Journal,** 23(2). https://doi.org/10.4038/suslj.v23i2.7854

(2). Abimbola, O. J., Adewumi, T., Iyima, H. O., and Kwaghhua, F. I. (2025). Heat flow and thermal structural mapping of part of Middle Benue Trough for Exploration of Geothermal Energy. ***Iranian Journal of Earth Sciences*****,** 17(4). https://doi.org/10.57647/j.ijes.2025.16847

(3). Taiwo Adewumi, Babatope Ebenezer Faweya, **Oladiran Johnson Abimbola**, Yilzem Cyprian Zemnaan, Mustapha Adejo Mohammed, Fidelis Iorzua Kwaghhua (2025): Radiological hazard assessment and radiogenic heat production of Keffi and its environs: insight from the analysis of airborne gamma-ray spectrometry data. **Environ Monit Assess**, 197:995 https://doi.org/10.1007/s10661-025-14437-0

(4). Adewumi T., **Abimbola O. J.,** Madaki A. U., Kwaghhua F. I., and Lawal S. M. (2025): Mapping of subsurface thermal structures of Gongola Basin, NE Nigeria from airborne magnetic and gamma-ray spectrometry data: implication for geothermal prospecting. **Journal of the Earth and Space Physics**, 50(4) 1 – 13. https://doi.org/10.22059/jesphys.2024.361511.1007537

(5). Monday Sunday Adiaha**, Oladiran Johnson Abimbola** (2023): Downscaling and modelling climatic change projections with rainfall erosivity impact and wind velocity potential in the variability of tropical climate: a track towards space-earth sustainability nexus, **EQA-International Journal of Environmental Quality** 58, 41 – 56. https://doi.org/10.6092/issn.2281-4485/16898.

(6). M. S. Otto, **O. J. Abimbola**, O. A. Falaiye, F. U. Muhammad and A. A. Sule (2023): Quarterly variation in tropospheric surface refractivity in Ilorin, Nigeria, **Malaysian Journal of Science** 42(3), 85 – 91. https://doi.org/10.22452/mjs.vol42no3.11.

(7). O. J. Abimbola, S. O. Bada, A. O. Falaiye, Y.M. Sukam, M. S. Otto, S. Muhammad (2021): Estimation of radio refractivity from satellite-derived meteorological data over a decade for West Africa, **Scientific African** 14, e01054. https://doi.org/10.1016/j.sciaf.2021.e01054

(8). Oluwasesan Adeniran Falaiye, Yakubu Musa Sukam and **Oladiran Johnson Abimbola** (2019): Statistical Modelling of Atmospheric Mean Temperature in sub-Sahel West Africa, **Scientific African** 7, 2468 – 2276. https://doi.org/10.1016/j.sciaf.2019.e00254

(9). Oluwasesan A. Falaiye, **Oladiran J. Abimbola**, Rachel T. Pinker, Daniel Perez-Ramírez and Alexander A. Willoughby (2018): Multi-technique analysis of precipitable water vapor estimates in the sub-Sahel West Africa, **Heliyon** 4(9): 765. https://doi.org/10.1016/j.heliyon.2018.e00765

(10). Oladiran J. Abimbola, Oluwasesan A. Falaiye and Joseph Omojola (2017): Estimation of Precipitable Water Vapour in Nigeria Using NIGNET GNSS/GPS, NCEP-DOE Reanalysis II and Surface Meteorological Data, **Journal of Physical Science**, 28(2), 19–29, https://doi.org/10.21315/jps2017.28.2.2

(11). Ijila P. O., Falaiye O. A. and **Abimbola O. J.** (2016): Study of Periodicity in Some Meteorological Parameters and Solar Indices over Some Stations in Nigeria. **Journal of Environment and Earth Science,** 6(5), 83 – 89. ISSN 2224-3216 (Paper) ISSN 2225-0948 (Online). www.iiste.org.

(12). Omojola Joseph and **Abimbola Oladiran Johnson** (2015): GNSS positioning accuracy over Nigeria during geomagnetic storm of 24 – 27 October 2011 and 7 – 10 October 2012, **Indian Journal of Radio and Space Physics**, 44(3), pp138 – 146. Available at http://nopr.niscair.res.in/handle/123456789/33400.

(13). Falaye B. J., hi-Hai Dong, K. J. Oyewumi, O. A. Falaiye, E. S. Joshua, J. Omojola, **O. J. Abimbola**, O. Kalu and S. M. Ikhdair (2015): Triangular libration points in the R3BP under combined effects of oblateness, radiation and power-law profile. **Advances in Space Research**, 57(1), pp189 – 201. http://dx.doi.org/10.1016/j.asr.2015.10.030.

(14). O. O. Jegede, Th. Foken, A. A. Balogun and **O. J. Abimbola** (2001): Bowen Ratio Determination of Sensible and Latent Heat Fluxes in a Humid Tropical Environment at Ile-Ife, Nigeria. **Mausam**, 52(4) 669 – 678, Published by the India Meteorological Department. http://dx.doi.org/10.54302/mausam.v52i4.1739

(15) Muhammed S. Otto, Adeniran F. Oluwasesan, **Johnson O. Abimbola**, Abdullahi A. Sule, Ademoh B. Aisha, Abubakar D. Abdullahi, Abe Ayoola, Olanrewaju D. Bukola (2024): Quarterly hour variation of surface refractivity and its relation to some atmospheric parameters in Ilorin, North-central Nigeria. **Equity Journal of Science and Technology**, 11(1), 1 – 10. An Official Publication of Kebbi State University of Science and Technology, Aliero, Nigeria. E-ISSN 2683-5961.

(16). Otto M. S., **Abimbola O. J.**, Sanderson E., Bello A. A., Falaiye O. A. and Abe A. O. (2022): Seasonal variation of surface refractivity and its distinct components in Ilorin, Kwara State, Nigeria. **Nigerian Journal of Physics**, 31(2), pp85 – 96. https://njp.nipngn.org/index.php/njp/article/view/63

(17). Falaiye O. A., **Abimbola O. J.** and Sukam Y. M. (2020): Seasonality of Atmospheric Mean Temperature at the Coastal Region of West Africa. **Nigerian Journal of Physics**, 29(1), pp127 – 133.

(18). O. A. Falaiye, C. T. Okpalaonwuka, W. D. Joseph and **O. J. Abimbola** (2017): Variability of Tropospheric Ozone and its Dependence on some Meteorological Variables at Ilorin. **Pub. Astro. Soc. Nig**., 2(1), pp29 – 35.

(19). Falaiye, O. A., **Abimbola, O. J.** and Sukam, Y. M. (2016): Estimation of Precipitable Water Vapour at Sub-Sahel Region of Central Nigeria using Surface Meteorological Data, **NSUK Journal of Science & Technology**, 6(2); pp. 153-160. ISSN: 1597- 5527.

(20). Abimbola, O. J. and Falaiye, O. A. (2016): Estimation of Precipitable Water Vapour in Nigeria using Surface Meteorological Data, **Ife Journal of Science** 18(2); 541 – 549, Published by the Faculty of Science, Obafemi Awolowo University, Ile-Ife.

(21). Falaiye O. A., Yakubu A. T., Aweda F. O. and **Abimbola O. J.** (2013): Mineralogical Characteristics of Harmattan Dust in Ilorin, Sub-Sahara Africa, **Ife Journal of Science** 15(1); 175 – 181, Published by the Faculty of Science, Obafemi Awolowo University, Ile-Ife.

(22). O. J. Abimbola, E. U. Utah and B. Alkali (2011): Climate Change: A case study of Jos, Nigeria. **African Journal of Physical Sciences,** 4 (2); 82 – 88, Published by Devon Science Publication.

(23). O. J. Abimbola, B. Alkali and A. Iorkyaa (2008): Empirical Models for the Estimation of Global Solar Radiation with Meteorological Data for Jos, Nigeria. **Ife Journal of Science** 10(1); 317 – 323, Published by the Faculty of Science, Obafemi Awolowo University, Ile-Ife.

(24). E. U. Utah and **O. J. Abimbola** (2006): Atmospheric Precipitable Water Vapour in Jos, Plateau State, Nigeria. **Nigerian Journal of Physics**, 18(1); 101 – 109, Published by the Nigerian Institute of Physics. Available online at http://www.ajol.info/index.php/njphy/article/view/38088.

(25) Sunday Ayigun, **Oladiran Johnson Abimbola**, Shekwonyadu Iyakwari, Taiwo Adewumi and Muhammed Mustapha Adejo (2025): A Review of Interpretation of Airborne Geophysical Data for Hydrocarbon, Geothermal Energy and Minerals Prospecting over Middle Benue Trough Nigeria. **Proceedings of the Faculty of Science Conferences,** 1 1 – 5. https://doi.org/10.62050/fscp2024.413

(26) Oladiran Johnson Abimbola, Taiwo Adewumi, Hauwa Onyeka Iyima, and Fidelis Iorzua Kwaghhua (2024): Thermal and Structural Analysis of Airborne Magnetic Data of part of Nasarawa State, Nigeria: Implication for Geothermal Energy Exploration. **Lafia Journal of Scientific and Industrial Research,** 2(2) 145 – 154. https://doi.org/10.62050/ljsir2024.v2n2.392

(27) Oladiran Johnson Abimbola, Muhammed Sani Otto, Ahmed Abdullahi Sule, Faisal Usman Muhammad, Gonto Kamal, Ayoola Abe, AlhassanTijani, Zahra Sanusi Liman, Dada Bukola Olanrewaju & Oluwasesan Adeniran Falaiye (2024): Spatio-Temporal Variation of Virtual Temperature in Ilorin, Kwara State, Nigeria. **Lafia Journal of Scientific and Industrial Research**, 2(2), 56 –72. https://doi.org/10.62050/ljsir2024.v2n2.270.

(28) Oladiran Johnson Abimbola, Muhammed Sani Otto, Oluwasesan Adeniran Falaiye, Abubakar Danyarima Abdullahi, Ahmed Abdullahi Sule, Usman Mohammed Yusuf, Dada Bukola Olanrewaju, David Olaosebikan Beyioku & Faisal Usman Muhammad (2023): Wind Speed Characteristics and Energy Potentials in Lafia, Nasarawa State, Nigeria. **Lafia Journal of Scientific and Industrial Research**, 1(1&2), 1 –14. https://doi.org/10.62050/ljsir2023.v1n2.269.

(29). Falaiye O. A., **Abimbola O. J.**, Omojola J. and Akinyanju D. S. (2016): SpacioTemporal Variation of Radio Refractivity in Lafia, Nasarawa State Using CM SAF ATOVS Satellite Data, **FULAFIA Journal of Science and Technology**, 2(1), 111 – 116, Published by the Federal University of Lafia. https://doi.org/10.62050/fjst2016.v2n1.40

(30). Falaiye, O. A., Ijila, P. O. and **Abimbola, O. J.** (2015): Seasonal Variability of some Meteorological Parameters with Respect to Solar Activity over some Stations in Nigeria, **FULAFIA Journal of Science and Technology**, 1(1), 64 – 69, Published by the Federal University of Lafia; ISSN: 2449-0954.