

OLADIPO, Mumin Olatunji

Personal Information

Place of Birth:	Offa
Sex:	Male
L.G.A. and State:	Offa / Kwara
Nationality:	Nigerian
Permanent Home Address:	14, Olatunji Street, Offa, Kwara State, Nigeria.
Current Postal Address:	P. O. Box 291, Ilorin
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Marital Status:	Married
Number of Children:	1

Institutions Attended

S/N	Institutions	Qualifications Titles	From	To
1.	University of Ilorin, Ilorin, Nigeria	PhD Physics (c)	2017	
2.	University of Ilorin, Ilorin, Nigeria	M.Sc. Physics	2014	2016
3.	University of Maiduguri, Borno State, Nigeria	PGDE (English Medium)	2013	2014
4.	Kebbi State University of Science and Technology, Alirio, Nigeria	B. Sc. Physics (Second Class Upper)	2008	2012
5.	Staff Secondary School, Federal Polytechnic, Offa, Kwara State, Nigeria	SSCE (WAEC)	2001	2007
6.	Ife-Oluwa Baptist Nursery and Primary School, Offa, Kwara State, Nigeria	First School Leaving Certificate	1995	2001

Research Interests

Research Fields
Renewable Energy, Solar Weather, Wireless Communication, Geosciences, Electronics and Embedded Systems

Programing Languages and Professional Software

Programming Languages and Software Skills
Python, Structure Query Language (SQL), Matlab, PIC – assembly language, C and PIC BASIC pro, Arduino, Raspberry Pi, Protues, Long Wave Propagation Code (LWPC) and Multism

Relevant Academic and Research Experience

S/N	Organisations/ Roles
1.	<u>Assistant Lecturer</u> KolaDaisi University, Ibadan 11/2018- present - Teaching and research in Physics - Community services - Demonstrate practical to students
2.	<u>Subject Teacher</u> Omowumi Model College, Ilorin 05/2014 – 07/2017 - Taught and demonstrate Physics Practical - Taught Mathematics
3.	<u>Subject Teacher</u> Guidance Standard School, Kano 10/2013 – 05/2014 - Taught basic science subjects
4.	<u>NYSC</u> Bayero University, Kano 04/2013 – 03/2014 - Demonstrated Physics Practical to undergraduate students
5.	<u>SIWES</u> Sheda Science and Technology Complex, Abuja 08/2011 – 02/2012 - Learnt basic electronics design and construction - Participated in research in the field of solid state and semiconductor physics - Observed the development and optimization of solar panels - Introduced to equipment such as solar simulator, thin film deposition machine, semiconductor characterization machine etc.

Industry Experience

S/N	Research\Project Titles
1.	<u>Mutems Technologies, Nigeria</u> 08/2018 – - Chief Technical Officer (C.T.O) - Design and implementation of solar and inverter power solutions for homes and offices. - Plan logistics for projects. - Supervision of power system installations.

Publications (journal) and abstract presentations

1.	Bello, S. A., Yusuf, K. A., Agbaje, P., Shehu, S. J., Lawal, S. K., Oyinkanola, L. O. A., Oladipo, M.O. (2023). EFFECT OF SOLAR WIND PRESSURE ON GEOMAGNETIC NORTHWARD COMPONENT OVER SOME SELECTED LOW-LATITUDE AFRICAN STATIONS. <i>FUW Trends in Science & Technology Journal</i> , 8(1), 642–648. www.ftstjournal.com
2.	Oladipo, M. O. (2023). Benefits of Open Data/ Software Sharing in Open Science. <i>American Geophysical Union- CHORUS</i> .

3.	Oladipo, M. O. , Adimula, A. I., Olawepo, A., Bello, S. A., & Joshua, B. W. (2023). Seasonal quiet-day morphology of VLF signal strength at Ibadan. <i>Advances in Space Research</i> . https://doi.org/10.1016/J.ASR.2023.01.059
4.	Yusuf, K. A., Adimula, I. A., Bello, S. A., Ige, S. O., Oluwatoyin Osanyinlusi, & Oladipo, M. O. (2023). Characterization of the geomagnetic H _z component for a paired station in Africa. <i>Caliphate Journal of Science & Technology (CaJoST)</i> , 3121(1), 10–15. https://dx.doi.org/10.4314/cajost.v5i1.2
5.	Bello S. A., Orisatuyi M.J., Yusuf K.A., Shehu S.J., Oyinkanola L.O.A., Ige S.O., Lawal S.K., Oladipo M.O. (2022). Performance Estimation of Neural Network TEC Prediction Models Over TORO Station. <i>Nigerian Journal of Physics</i> , 31(2), 160–168.
6.	Bello, S. A., Oladipo, M. O. , Muhammed, A. O., Yusuf, K. A., Ige, S. O., Shehu, S. J., & Oyinkanola, L. O. A. (2022). MEASUREMENT AND DESCRIPTION OF VERY LOW-FREQUENCY SIGNAL IN THE IONOSPHERE AT THE ILORIN STATION. <i>FUW Trends in Science & Technology Journal</i> , 7(3), 78–83. www.ftstjournal.com
7.	Wisdom, J. B., Yushau, S. M., Muhammad, G., Kangiwa, U. M., Mustapha, A., & Oladipo, M. O. (2021). Monitoring of Sudden Ionospheric Disturbance (SID) with 0 – 50 kHz Frequency Receiver over Aliero, Nigeria. <i>International Journal of Astrophysics and Space Science.</i> , 9(3), 37–44. https://doi.org/10.11648/j.ijass.20210903.11
8.	Quaye, D. T., Martin, P., Oladipo, M.O. , Silvestri, S., & Wagner, G. (2022, December). Entraining West African scientists into the global science enterprise via open-source software and cloud computing. In <i>Fall Meeting 2022</i> . AGU.
9.	Oladipo, M.O. (2022, December). Open-source Science: A Success Story in West Africa. In <i>Fall Meeting 2022</i> . AGU.
10.	Oladipo, M.O. , Adimula I. A. (2022, December). Quiet-Day Variations of VLF Amplitude and its Correlation with Meteorological Parameters. In <i>Fall Meeting 2022</i> . AGU. http://agu2022fallmeeting-agu.ipostersessions.com/Default.aspx?s=A3-92-E2-19-8C-45-78-DD-F3-BC-95-BF-C6-21-9B-02
11.	Oladipo, M. O. , Adimula, A. ., & Olawepo, A. (2021). IMPLEMENTATION OF LOW-ENERGY VLF DATA LOGGER FOR CHARACTERIZING THE LOWER IONOSPHERE AT IBADAN. <i>Science Forum: Journal of Pure and Applied Sciences (JPAS)</i> , 21(3). www.atbuscienceforum.com
12.	Joshua B. W., Oladipo M. , Adamu J. L., Adebisi S. J., Ikubanni. S. O. (2018). CORRELATION BETWEEN SUNSPOT NUMBER AND GEOMAGNETIC STORM. <i>Equity Journal of Science and Technology</i> , 5(1), 157–161.

Ongoing research

S/N	Research\Project Titles
1.	Characterization of D-layer Over Nigeria Using VLF signal

Membership of Learned Professional Societies

S/N	Organization
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1.	American Geophysical Union (AGU)
2.	Nigerian Institute of Physics (NIP)
3.	Nigerian Geophysical Society (NGS)

Scholarship, Grants, and Fellowship

S/N	Name of Scholarship, Grants, and Fellowship
1.	2022 American Geophysical Union (AGU) Outstanding Student Presentation Award (Fall Meeting)
2.	2022 AGU Fall Meeting Grant: Grant from the Education towards participating in the <i>2022 AGU Fall Meeting</i>
3.	2022 Coastal Environment Summer School in Nigeria grant for instructor

Academic and Industry Linkages

S/N	Organizations
1.	Interconnections for Making Africa Great Empowered and Sustainable (IMAGES) Initiative
2.	Institute of Astronomy Space and Earth Science, Kolkata, India (MoU in progress)
3.	Coastal Environment Summer School in Ghana
4.	Department of Mathematical and Computing Sciences, Faculty of Applied Sciences, KolaDaisi University- Ibadan
5.	Mutems Technologies, Nigeria
6.	Novel Power Systems, Nigeria
7.	Department of Physics, Faculty of Physical Sciences, University of Ilorin, Nigeria
8.	Department of Physics, Kebbi State University of Science and Technology, Aliero, Nigeria
9.	Sheda Science and Technology Complex, Abuja, Nigeria

Major Conferences and Workshops Attended

S/N	Conferences and Workshops	Duration
1.	Coastal Environment Summer School in Nigeria, COESSIN 2022	August 1- 5, 2022
2.	KolaDaisi University First Scientific Conference on “Emerging Research in Science and Technology for Health and Sustainable Development”	March 1- 4, 2022
3.	Coastal Environment Summer School in Ghana (COESSING), 2021-virtual.	July 26 – August 6, 2021
4.	Two Day Workshop on “Aligning Yourself to the Publishing Process” at Elsevier	Friday July 24, 2020
5.	Coastal Environment Summer School in Ghana (COESSING), 2019. Regional Maritime University, Ghana	August 5- 10, 2019

6.	The Abdus Salam, International Center for Theoretical Physics, Italy: The Coastal Ocean Environment Summer School in Ghana.	July 30 – August 4, 2018
7.	3rd Annual Conference of the Nigeria Geophysical Society: Space – Earth Environment For Sustainable National Development. Landmark University, Omu-Aran, Kwara State.	February 2 – 5, 2016
8.	International Union of Radio Science (URSI- NG), 6th National Annual Conference. University of Ilorin, Ilorin, Kwara State, Nigeria.	December 2 – 5, 2015
9.	2-Day National Training Workshop on Application of Renewable Energy Devices and Climate Mitigation in North-West Region (Organised by the Energy Commission of Nigeria and Kebbi State Government). Kebbi State University of Science and Technology, Aliero, Kebbi State, Nigeria	March 7 – 8, 2011

Training Programmes Attended

S/N	Training	Courses	Institutions	From	To
1.	Python	Coastal Ocean Environment Summer School, Ghana	Abdus Salam, ICTP, Italy	2018	2018
2.	Industrial Training	Electronics and Solid State Physics	Sheda Science and Technology Complex, Abuja	2011	2012
3.	Computer Training	Microsoft Application and System Maintenance	Federal Polytechnic, Offa	2007	2008

Details of Administrative Experience and Community Service

S/N	Positions Held	Role/ Achievements	From	To
1.	Member, Grant Writing Committee Faculty of Applied Sciences, KolaDaisi University, Ibadan (KDU-I)	- Grant Identification - Development of fundable projects for the faculty - Grant writing	01/2023	
2.	Member, Editorial Board KolaDaisi University Journal of Applied Sciences (KUJAS)	- Coordinates peer-review process of submitted manuscripts.	08/2022	
3.	Staff adviser, National Space Research and Development Agency, NASRDA, Club, KDU- I Chapter	- Monitor the activities of the club - Jointly propose and supervise science projects by members of the club.	05/2022	
4.	Instructor, COESSIN, 2022	- Taught participants Python for data science	08/2022	08/2022

<u>5.</u>	Member, Admission Committee, KDU- I	- Put into place strategies to attract students to the University. - Set-up Robotics groups to encourage students to practically apply what they learn.	08/2022	
<u>6.</u>	Member, FAPS Admission Committee	- Organized the maiden quiz and science exhibition.	04/2022	
<u>7.</u>	Member, Conference Organizing Committee, FAPS, KDU- I	- Was the secretary of the committee - Organized the maiden scientific conference of the faculty and the university in 2022.	02/2022	09/2022
<u>8.</u>	Member, Academic Planning Committee, FAPS, KDU- I	- Curriculum review	2021	2022
<u>9.</u>	Founder, KDU-I Robotics and Artificial Intelligence Research Group.	- Suggests projects to work on - Co-finances projects - Coordinates the development of projects.	2021	
<u>10.</u>	Member, Seminar and workshop Committee, FAPS, KDU- I	- Organized faculty seminars.	2019	2022
<u>11.</u>	Member, Staff Recruitment Panel, OMC	- Interview and recommend potential teaching staff for teaching appointments.	2014	2017
<u>12.</u>	President , Millennium Development Goals (MDGs), Family and Community Reorientation (FACOR) Group, NYSC, Kano Chapter	- Sensitized secondary school students on the MDGs/FACOR - Organized Monthly Community Development Meetings.	2013	2014
<u>13.</u>	Secretary , Zero Tolerance for Corruption Club, Kebbi State University of Science and Technology (KSUSTA) Chapter.	- Pioneer secretary - Raised funds for the club activities.	2011	2012
<u>14.</u>	P. R. O. , National Association of Physics Students, Aliero Chapter.	- Spoke person of the Association. - Inspired students to see the beauty of science and technology	2009	2011

15.	<i>Class Representative</i> , Department of Physics, KSUSTA, Aliero.	- Spoke person for the class - Liaise with lecturer on behalf of the class	2008	2012
16.	<i>Laboratory Prefect</i> , Staff, Secondary School, Federal Polytechnic, Offa.	- Manage the school laboratories - Revived and managed the laboratory aquarium	2006	2007

Names and Addresses Referees

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