

# CURRICULUM VITAE

## SECTION A: PERSONAL DATA

- Name: ADEBIYI Shola John
- Date of Birth: 16 March, 1976
- Gender: Male
- Town: Ise Ekiti
- Local Govt. Area: Ise/Orun
- State of Origin: Ekiti State
- Nationality: Nigerian
- Marital Status: Married
- Religion: Christianity
- Number of Children/Age: One/13 years
- Contact Address: Department of Physical Sciences, Landmark University
- Residential Address: BLK H FLT 2 Landmark University Staff Quarters
- Telephone Number: +2347030880504
- E-mail Address: [adebiyi.shola@lmu.edu.ng](mailto:adebiyi.shola@lmu.edu.ng); [johndat2003@gmail.com](mailto:johndat2003@gmail.com);
- Present Position: Associate Professor
- Position applied for: Associate Professor

## SECTION B: EDUCATION HISTORY

### 1. INSTITUTIONS ATTENDED WITH DATES AND ACADEMIC QUALIFICATIONS

#	Institution	Degree Type	Class of Degree	Year
1	University of Ilorin, Ilorin, Kwara State	Ph.D. (Physics)		2016
2	University of Ilorin, Ilorin, Kwara State	M.Sc (Physics)	Distinction	2011
3	Yaba College of Technology, Yaba, Lagos State	OND (Electrical Engineering)	Distinction	2005
4	University of Ilorin, Ilorin, Kwara State	B.Sc(Ed) Physics	Second Class Upper Division	2002
5	St. Barnabas Secondary School, Kabba, Kogi State	School Cert.		1994
6	St. Barnabas Primary School, Ilorin, Kwara State	Primary Cert.		1988

### 2. TEACHING EXPERIENCE

#	Institution	Rank	Date
1	Landmark University, Omu-Aran	Associate Professor	2021
1	Landmark University, Omu-Aran	Senior Lecturer	2018
2	Landmark University, Omu-Aran	Lecturer I	2016
3	Landmark University, Omu-Aran	Lecturer II	2013
4	Landmark University, Omu-Aran	Asst. Lecturer	2011

### 3. INDUSTRY EXPERIENCE

#	Industry	from	to
1	Nigerian Telecom. Ltd (NITEL), Ikeja Digital Telephone Exchange, Lagos	2000	2010

#### 4. SCHOLARSHIP, GRANTS, FELLOWSHIP AND PRIZES

- **Award of excellence in Academic publication** by College of Science and Engineering, Landmark University (2014/2015, 2015/2016 and 2016/2017 Sessions).
- **International Travel Grant (FULL)** – Grant by SCOSPTEP/ISWI/NASA to attend the International School on Space Science at Smt. Kasturbai Walchand College, Sangli, India. (7 – 17 Nov. 2016). The grant covers Registration fee, Visa, Air ticket, local travel expenses, Hotel accommodation and feeding.
- **AGU Publication Grant:** American Geophysical Union publication grant (for African authors) for some publications in Wiley and sons.
- **Research Visibility Recognition** –ScienceDirect recognition as the Top 25 list of most downloaded/hottest articles (2014). The journal article Adebisi, et al. (2014) titled ‘GPS derived TEC and foF2 variability over an equatorial station and the performance of IRI model’ in *Advances in Space Research* was ranked 17<sup>th</sup> on the top 25 by ScienceDirect team (July – September 2014).

#### 5. PUBLICATIONS: JOURNALS

- i. Bolaji, O.S., Adekoya, B.J., **Adebisi, S.J.**, Adebisi, B.O., Ikubanni, S.O., (2022). The African equatorial ionization anomaly response to the St. Patrick’s Day storms of March 2013 and 2015. *Astrophysics and Space Science*, <https://doi.org/10.1007/s10509-021-04022-5>. [Web of Science, Scopus, Google scholar indexed].
- ii. Joshua, B.W., Adeniyi, J.O., Olawepo, A.O., Rabi, B., Okoh D., **Adebisi, S.J.**, Adebisi, B.O., Ikubanni, S.O., Abdurahim, B., (2021). Latitudinal Dependence of Ionospheric Responses to some Geomagnetic Storms during Low Solar Activity. *Geomagnetism and Aeronomy*, 61, 418–437. [Scopus, Google scholar indexed]
- iii. **Adebisi, S.J.**, Ikubanni, S.O., Bolaji, O.S., Fashae, J.B., Adebisi, B.O., Joshua, B.W., Olabode, A.O., Adekoya, B.J., (2021). Equatorial F-region irregularities at different seasons in Africa. *Advances in Space Research*, doi: <https://doi.org/10.1016/j.asr.2021.04.025>. [Web of Science, Scopus, Google scholar indexed].
- iv. Adeniyi, J.O., Adebisi, B.O., Ikubanni, S.O., **Adebisi, S.J.**, Adekoya, B.J., Babatunde, J.G., (2021). Validating IRI-2016 for quiet-time F2-region peak electron density height (hmF2) at different latitudes during moderate solar activity. *Advances in Space Research*, doi: <https://doi.org/10.1016/j.asr.2021.02.036>. [Web of Science, Scopus, Google scholar indexed].
- v. **Adebisi, S.J.**, Adimula, I.A., & Oladipo, O.A., (2020). Inter-hemispheric comparison of ionosphere variation at each latitudinal band during quiet geomagnetic condition. *Journal of the Nigerian Society of Physical Sciences*, 2, 77 – 90. <https://doi.org/10.46481/jnsps.2020.43> [Scopus, Google scholar indexed].
- vi. \*Bolaji, O.S., **Adebisi, S.J.**, Fashae, J.B., Ikubanni, S.O., Adenle, H.A., & Owolabi, C., (2020). Pattern of latitudinal distribution of ionospheric irregularities in the African region and the effect of magnetic activity. *Journal of Geophysical Research: Space Physics*, 125, e2019JA027641. <https://doi.org/10.1029/2019JA027641>. [Web of Science, Scopus, Google scholar indexed]

- vii. **Adebiyi, S.J.**, Adeniyi, J.O., Adebesein, B.O., Ikubanni, S.O., Adimula, I.A., Oladipo, O.A., Olawepo, A.O., Adekoya, B.J., & Joshua, B.W., (2020). Comparative investigation of the digisonde derived electron density profile and IRI profiles at a location near the magnetic equator in Africa. *Journal of Geophysical Research: Space Physics*, 125, e2019JA027477. <https://doi.org/10.1029/2019JA027477> [Web of Science, Scopus, Google scholar indexed]
- viii. **Adebiyi, S.J.**, Adeniyi, J.O., Ikubanni, S.O., Adebesein, B.O., Adekoya, B.J., & Joshua, B.W., (2020). Latitudinal variation of  $\alpha$ -Chapman scale height during quiet and disturbed geomagnetic conditions. *Earth and Space Science*, 6. <https://doi.org/10.1029/2019EA000784>. [Web of Science, Scopus, Google scholar indexed].
- ix. Adebesein, B. O., Adeniyi, J. O., Adimula, I. A., **Adebiyi, S. J.**, Ikubanni, S. O., Oladipo, O. A., & Olawepo, A. O. (2019). Pattern of ionization gradient, solar quiet magnetic element, and F2-layer bottomside thickness parameter at African equatorial location. *Radio Science*, 54. <https://doi.org/10.1029/2018RS006742>. [Web of Science, Scopus, Google scholar indexed]
- x. Adekoya, B.J., Adebesein, B.O., David, T.W., Ikubanni, S.O., **Adebiyi, S.J.**, Bolaji, O.S., & Chukwuma, V.U. (2019). Solar-eclipse-induced perturbations at mid-latitude during the 21 August 2017 event. *Ann. Geophys.*, 37, 171–182. doi.org/10.5194/angeo-37-171-2019. [Web of Science, Scopus, Google scholar indexed]
- xi. **Adebiyi, S.J.**, Adeniyi, J. O., Reinisch, B. W., Adebesein, B. O., Ikubanni, S. O., Adimula, I. A., Oladipo, O. A., Olawepo, A. O., Joshua, B.W., & Adekoya, B.J., (2019). Variation of digisonde-derived scale height during quiet and disturbed geomagnetic conditions over an African equatorial station. *Radio Science*, 54, 552–560. <https://doi.org/10.1029/2018RS006762>. [Web of Science, Scopus, Google scholar indexed]
- xii. **Adebiyi, S.J.**, Ikubanni, S. O., Adebesein, B. O., Joshua, B. W., Adekoya, B. J., (2019). Variations of GPS-TEC at an African Low Latitude Station during Geomagnetic Disturbances. *Phys. Memoir*, 1 (3), 113–125. [Google scholar indexed].
- xiii. **Adebiyi, S.J.**, Ikubanni, S.O., Adebesein, B.O. Adeniyi, J.O., Joshua, B.W., Adimula, I.A., Oladipo, O. A., Olawepo, A.O., Adekoya, B.J., (2019). Storm time IRI-Plas model forecast for an African equatorial station. *Heliyon* 5, 1 – 8. <https://doi.org/10.1016/j.heliyon.2019.e01844>. [Web of Science, Scopus, Google scholar indexed]
- xiv. \*Bolaji, O.S., **Adebiyi, S.J.**, Fashae, J.B., (2019). Characterization of ionospheric irregularities at different longitudes during quiet and disturbed geomagnetic conditions. *Journal of Atmospheric and Solar-Terrestrial Physics* 182, 93–100. [Web of Science, Scopus, Google scholar indexed]
- xv. Ikubanni, S.O., Adeniyi, J.O., Adebesein, B.O., **Adebiyi, S.J.**, (2019). Dynamics of sunspot cycle ascending and descending phases asymmetry in equatorial ionospheric variability, *Journal of Atmospheric and Solar-Terrestrial Physics*, 182, 25–30. [Web of Science, Scopus, Google scholar indexed]
- xvi. Joshua, B.W., Adeniyi, J.O., Oladipo, O.A., Doherty, P.H., Adimula, I.A., Olawepo, A.O., & **Adebiyi, S.J.** (2018). Simultaneous response of NmF2 and GPS-TEC to storm events at Ilorin. *Advances in Space Research* 61 (2018) 2904–2913. [Web of Science, Scopus, Google scholar indexed]

- xvii. **Adebiyi, S.J.**, Adebessin B.O., Ikubanni, S. O., & Joshua, B.W. (2017). Performance evaluation of GIM-TEC assimilation of the IRI-Plas model at two equatorial stations in the American sector, *Space Weather*, 15, doi: 10.1002/2017SW001596. [Web of Science, Scopus, Google scholar indexed]
- xviii. **Adebiyi, S.J.**, Adimula, I. A., Oladipo, O. A., & Joshua, B. W. (2016). Assessment of IRI and IRI-Plas models over the African equatorial and low latitude region. *Journal of Geophysical Research: Space Physics*, 121, doi: 1002/2016JA022697. [Web of Science, Scopus, Google scholar indexed]
- xix. \*Adimula, I.A., Oladipo, O.A., & **Adebiyi, S.J.** (2016). Latitudinal and seasonal investigations of storm time variations of TEC. *Pure and Applied Geophysics*, 173 (7), 2521 – 2533. doi: 10.1007/s00024-016-1291-2 [Scopus, Google scholar indexed]
- xx. **Adebiyi, S.J.**, Adimula, I. A., & Oladipo, O. A. (2016). Characterisation of GPS-TEC in the African equatorial and low latitude region and the regional evaluation of the IRI model. *Journal of Atmospheric and Solar-Terrestrial Physics*, 143-144, 53-70. <http://dx.doi.org/10.1016/j.jastp.2016.03.003>. [Web of Science, Scopus, Google scholar indexed]
- xxi. **Adebiyi, S.J.**, Adimula, I. A., & Oladipo, O. A. (2015). Investigation on mid-latitude stations to storm-time variations of GPS-TEC. *Advances in Space Research* 55, 1339 – 1348. <http://dx.doi.org/10.1016/j.asr.2014.11.030>. [Web of Science, Scopus, Google scholar indexed]
- xxii. Joshua, B. W., Adeniyi, J. O., Reinisch, B. W., Adimula, I. A., Olawepo, A. O., Oladipo, O. A., & **Adebiyi, S.J.** (2014). The response of the ionosphere over Ilorin to some geomagnetic storms. *Advances in Space Research*, 54, 2224–2235. <http://dx.doi.org/10.1016/j.asr.2014.08.027>. [Web of Science, Scopus, Google scholar indexed]
- xxiii. **Adebiyi S.J.**, O. O. Odeyemi, I.A. Adimula, O.A. Oladipo, S.O. Ikubanni, B.O. Adebessin, & Joshua, B.W. (2014). GPS derived TEC and foF2 variability over an equatorial station and the performance of IRI model. *Advances in Space Research*, <http://dx.doi.org/10.1016/j.asr.2014.03.026>. [Web of Science, Scopus, Google scholar indexed]
- xxiv. Adebessin, B.O., Adekoya, B.J., Ikubanni, S.O., **Adebiyi, S.J.**, Adebessin, O.A. Joshua, B.W., & Olonade, K.O. (2014). Ionospheric foF2 morphology and response of F2 layer height over Jicamarca during different solar epochs and comparison with IRI-2012 model, *Journal of Earth System Science*, 123, 751 – 765. ISSN: 0973-774X, <http://www.ias.ac.in/jess>. [Web of Science, Scopus, Google scholar indexed]
- xxv. **Adebiyi, S.J.**, I.A. Adimula, O.A. Oladipo, B.W. Joshua, B.O Adebessin, & Ikubanni, S.O. (2014), Ionospheric response to a magnetic activity at low and mid-latitude stations, *Acta Geophysica*, 62 (4), 973 – 989. doi: 10.2478/s11600-014-0205-x. [Web of Science, Scopus, Google scholar indexed]
- xxvi. **Adebiyi S.J.**, Adimula, I.A., Oladipo, O.A., (2014). Seasonal variations of GPS derived TEC at three different latitudes of the southern hemisphere during geomagnetic storms. *Advances in Space Research*, 53, 1246 – 1254. doi: <http://dx.doi.org/10.1016/j.asr.2014.01.028>. [Web of Science, Scopus, Google scholar indexed]
- xxvii. Joshua, B.W., Adeniyi, J.O., Adimula, I.A., Oladipo, O.A., Olawepo, O.A., **Adebiyi, S.J.** (2014). Ionospheric response to the storm-time disturbance of 29 May, 2010. *Advances in Space Research* 53, 219–225, <http://dx.doi.org/10.1016/j.asr.2013.11.003>. [Web of Science, Scopus, Google scholar indexed].

- xxviii. Adebesein, B.O., Ikubanni, S.O., **Adebiyi, S.J.**, & Joshua, B.W., (2013). Multi-station observation of ionosphere magnetic disturbance of march 9, 2012 and comparism with IRI-model. *Advances in Space Research*, 52(4), 604-613. (Published by Elsevier Ltd, UK), <http://dx.doi.org/10.1016/j.asr2013.05.002>. [Web of Science, Scopus, Google scholar indexed]
- xxix. Ikubanni S.O., B.O. Adebesein, **Adebiyi, S.J.** & Adeniyi, J.O. (2013), Relationship between the F2-Layer critical frequency and some solar activity indices during different solar epochs. *Indian Journal of Radio and Space Science*, 42, 73–81. NISCAIR-3/4(RSP-755)/2013, PACS Nos: 94.20.dj; 96.60.qd. [Scopus, Google scholar indexed].
- xxx. **Adebiyi, S.J.**, Adeniyi, J.O., Adimula, I. A., Joshua, B, & Gwani, M. (2012). Effect of the Geomagnetic Storm of April 5<sup>th</sup> to 7th, 2010, on the F2-Layer of the Ionosphere of Ilorin, Nigeria. *World J of Engineering and Pure and Applied Sci*,2(2):56-62. [Google scholar indexed].

\*Corresponding author but not lead author.

## 6. ON-GOING RESEARCH

Adebiyi, S.J., Adeniyi, J.O., Adebesein, B.O., Ikubanni, S.O., Adimula, I.A., Oladipo, O.A., Olawepo, A.O., Joshua, B.W., Adekoya, B.J. Vertical ionospheric electron density profile: Magnetic storm signatures and storm-time model evaluation near the magnetic equator in Africa.

## 7. ACADEMIC AND INDUSTRY LINKAGES

- Department of Physics and Mathematics, University of Tasmania, Hobart, Australia
- Center for Atmospheric Research, University of Massachusetts Lowell, USA.
- Department of Physics, University of Ilorin, Nigeria
- Department of Physics, University of Lagos, Nigeria.
- Department of Physics, Kebbi State University of Science and Technology Aliero, Nigeria.
- Department of Physics, Olabisi Onabanjo University, Ago Iwoye, Nigeria.
- Department of Physics and Engineering Physics Obafemi Awolowo University, Ile-Ife, Nigeria.
- Department of Physical Sciences, Bowen University, Iwo, Nigeria.

## 8. CONFERENCE/WORKSHOP/SEMINAR ATTENDED

#	Name	Place	Date From	Date To
1	The International Space Weather Initiative Workshop on Space Weather: Science and Applications jointly organized by the United Nations Office for Outer Space Affairs and the Vikram Sarabhai Space Centre of the Indian Space Research Organization. (Invited Participant)	Online	02/11/2021	03/11/2021
2	Workshop on “GNSS Data Processing for High-Accuracy Positioning using Low-Cost Receiver Systems” organized by United Nations Office for Outer Space Affairs (UNOOSA). (Invited Participant)	Online	19/01/2021	21/01/2021

3	5 <sup>th</sup> SCOSTEP/PRESTO online Seminar titled 'Magnetospheric Response to Interplanetary Shocks: ULF Wave-Particle Interaction Perspective'	online	14/01/2021	14/01/2021
4	2020 Annual conference of the American Geophysical Union (AGU).	Online	01/12/2020	17/12/2020
5	Nigerian Association of Mathematical Physics (NAMPA) conference	Landmark University	6/11/2018	9/11/2018
6	International School on Equatorial and Low Latitude Ionosphere (ISELLI)	Covenant University	11/09/2017	15/09/2017
7	African Mathematical School (AMS)	Landmark University	1/08/2016	13/08/2016
8	The SCOSTEP/ISWI/NASA International School on Space Science	Smt. Kasturbai Walchand College, Sangli, India	07/11/2016	17/11/2016
9	3 <sup>rd</sup> Annual Conference of the Nigerian Geophysical Society	Landmark University, Omu-Aran, Nigeria	02/02/2016	05/02/2016
10	6 <sup>th</sup> National Annual Conference of International Union of Radio Science (URSI-Nigeria)	University of Ilorin, Ilorin, Nigeria	02/12/2015	05/12/2015
11	4 <sup>th</sup> International workshop on space weather and Earth's surface phenomena.	The Bells University of Technology, Ota, Ogun State, Nigeria.	10/05/2015	15/05/2015
12	2 <sup>nd</sup> Annual Conference of the Nigerian Geophysical Society	Covenant University, Ota, Ogun State, Nigeria.	17/03/2015	20/03/2015

## 9. INVITED REVIEWER/EDITORIAL BOARD MEMBERSHIP

### ▪ Reviewer

IEEE Access [Web of Science](#), [Scopus](#) etc

Journal of Geophysical Research: Space Physics [Web of Science](#), [Scopus](#) etc.

Advances in Space Research [Web of Science](#), [Scopus](#) etc.

Space Weather [Web of Science](#), [Scopus](#) etc.

Natural Hazard [Web of Science](#), [Scopus](#) etc.

Indian Journal of Physics [Web of Science](#), [Scopus](#) etc.

Astrophysics and Space Science [Web of Science](#), [Scopus](#) etc.

Annals of Geophysics (formerly: Annali di Geofisica) [Web of Science](#), [Scopus](#) etc.

### ▪ Editorial Board Membership

❖ Section Editor (Earth Sciences), *Journal of the Nigerian Society of Physical Sciences*.

- ❖ **Editorial Board Member**, *Science Journal of Advance and Cognitive Research* (A Publication of Faculty of Physical Sciences, Kebbi State University of Science and Technology, Aliero, Kebbi State, Nigeria).

#### **10. MEMBERSHIP OF PROFESSIONAL BODY**

- Member, American Geophysical Union (AGU) – [Membership ID: 114317]
- Member, African Geophysical Society (AGS)
- Member, Nigerian Geophysical Society (NGS)
- Member, International Union of Radio Science - Nigeria (URSI – NG)

#### **11. PUBLIC LECTURE**

- “*Keys to preparation of Lecture Materials*” a presentation at Executive Advance Programme to Landmark University Faculty members (January 6, 2022).
- “*Global Best Practices in Laboratory and Equipment Management*” presentation" at Executive Advance Programme to Landmark University Technologists and Technicians (January 5, 2022)
- “*Roles of Students in Academic Advising and smart way to calculate CGPA*” a presentation at 2020/2021 Orientation Programme for Fresh Students.

#### **12. EXTERNAL/INTERNAL EXAMINER**

##### **External Examiner**

- M. Sc. Defense, Department of Physics, Kebbi State University of Science and Technology, Aliero, Kebbi State.

##### **Internal Examiner**

- Department of Electrical and Information Engineering, Landmark University (An M.Sc. proposal examination).
- Department of Physical Sciences, Landmark University (A PhD proposal examination).
- Department of Mechanical Engineering, Landmark University (A PhD proposal examination).
- Department of Electrical and Information Engineering, Landmark University (An M.Sc. proposal examination).
- Department of Computer Science, Landmark University (An M.Sc. final examination).

#### **13. EXTRA CURRICULAR ACTIVITIES**

Reading and Listening to Music

#### **14. NAMES AND ADDRESSES OF REFEREES**

##### **Prof. I.A. Adimula**

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University of Ilorin, Ilorin,  
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**15. SIGNATURE AND DATE**

**Name**

Dr. ADEBIYI Shola John

**Signature and Date**

19 January 2022