

CURRICULUM VITAE

PERSONAL DATA

1. **Name in Full** RABIU, Akeem Babatunde
2. **Employer** National Space Research and Development Agency,
Nigeria
3. **City, State, and Country,** Abuja, Federal Capital Territory, Nigeria

4. History of Employment

- (i). University of Nigeria, Nsukka, Nigeria 1993 - 2001
- (ii). Federal University of Technology, Akure, Nigeria. 2001 – 2015 (2010 -2015, leave of absence at NASRDA)
- (iii). National Space Research and Development Agency NASRDA, Federal Ministry of Science, Technology and Innovation, Nigeria 2010 to date
- (iv). Present Position: Director/Chief Executive, Centre for Atmospheric Research, Anyigba, National Space Research and Development Agency, Nigeria. 1st January 2014 to date

5. Degrees (*With Dates*):

- (i) B.Sc. (Physics) August 1990, University of Ilorin, Ilorin, Nigeria
- (ii) M.Sc. (Physics) January 1993, University of Nigeria, Nsukka
- (iii) Ph.D. (Physics) May 2000, University of Nigeria, Nsukka

6. Narrative of Research Experience

Solar and Atmospheric Terrestrial Physics; Ionospheric Physics; Space Weather/Environment, Geomagnetism; Radiopropagation; Numerical Modelling of Ionospheric processes; Cosmic geophysics; GNSS, Curriculum development; Solar Energy, Air Quality

7. Short list of key publications

Researchgate index: https://www.researchgate.net/profile/A_Rabiu

ORCID ID: <https://orcid.org/0000-0002-2734-5389>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=iA2vTicAAAAJ>

- 1) Ogunjo, S. T., Fuwape, I. A., and **Rabiu, A. B.** (2022). Predicting COVID-19 cases from atmospheric parameters using machine learning approach. *GeoHealth*, 6, e2021GH000509. <https://doi.org/10.1029/2021GH000509>
- 2) Ogunjo, S. T., **Rabiu, A. B.**, Fuwape, I. A., & Obafaye, A. A. (2021). Evolution of dynamical complexities in geospace as captured by Dst over four solar cycles 1964–2008. *Journal of Geophysical Research: Space Physics*, 126, e2020JA027873. <https://doi.org/10.1029/2020JA027873>
- 3) **Rabiu, A. B.**, Okoh, D. I., Wu, Q., Bolaji, O. S., Abdulrahim, R. B., Dare-Idowu, O. E., and Obafaye, A. A., 2021. Investigation of the variability of nighttime equatorial thermospheric winds over Nigeria, West Africa. *Journal of Geophysical Research: Space Physics*, 126, e2020JA028528. <https://doi.org/10.1029/2020JA028528>
- 4) Olugbon, B., Oyeyemi, E. O., Kascheyev, A., **Rabiu, A. B.**, Obafaye, A. A., Odeyemi, O. O., & Adewale, A. O. (2021). Daytime equatorial spread F-like irregularities detected by HF Doppler

- 5) **Rabiu, A. B.;** Ogunsua, B. O.; Fuwape, I. A.; Laoye, J. A., 2015. The transient variation in the complexes of the low-latitude ionosphere within the equatorial ionization anomaly region of Nigeria. *Nonlin. Processes Geophys.*, 22, 527–543, 2015. www.nonlin-processes-geophys.net/22/527/2015/ doi:10.5194/npg-22-527-2015.
- 6) **Rabiu, A.B.,** Adewale, A.O., Abdulrahim, R. B., and Oyeyemi, E. O., 2014. TEC Derived From Some GPS Stations In Nigeria And Comparison With The IRI and Ne quick Models. *Advances in Space Research*. <http://dx.doi.org/10.1016/j.asr.2014.02.009>.
- 7) **Rabiu, A.B.,** Onwumechili, C.A., Nagarajan, N., Yumoto, K., 2013. Characteristics of equatorial electrojet over India determined from a thick current shell model. *Journal of Atmospheric and Solar-Terrestrial Physics*, 92, 105-115. 10.1016/j.jastp.2012.10.014 .
- 8) Okeke, F. N., Onwumechili, C. A., **Rabiu, A. B.,** 1998. Day-to-day variability of geomagnetic hourly amplitudes at low latitudes. *Geophysical J. Int.* 134, 484-500.

8. Honors (selected)

- i. Senior Guest Scientist Award of the Abdus Salam International Centre for Theoretical Physics ICTP, Trieste, Italy. 2012 to date
- ii. Visiting Research Fellowship of Nagoya University, Japan. (August-October, 2008)
- iii. Visiting Staff Fellowship of Kyushu University, Japan. (March-June, 2008)
- iv. Visiting Staff Fellowship by the African Network of Scientific and Technological Institutions ANSTI, UNESCO, tenable at the Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya. September – October 2006.
- v. Postdoctoral Fellowship- Third World Academy of Sciences (TWAS), Trieste, Italy, and Council of Scientific and Industrial Research CSIR, Government of India. Tenable at the National Geophysical Research Institute, Hyderabad, India. May 2004-February 2005.
- vi. Young Scientist of the Year 2000 in Nigeria. - Jointly awarded by Third World Academy of Science, Trieste, Italy, and Nigeria Academy of Science for my studies and publications in the field of geomagnetic variations

9. Membership of Professional society Membership (selected)

- i. Scientific Committee on Solar Terrestrial Physics SCOSTEP of the International Council for Science ICSU. (National Adherent Representative).
- ii. African Geophysical Society AGS (President, 2012 -2016)
- iii. American Geophysical Union (AGU) since 2004
- iv. Japan Geoscience Union JPGU
- v. Royal Astronomical Society, UK [Fellow]
- vi. Nigerian Geophysical Society [Fellow]
- vii. Society for Environmental Toxicology and Pollution Mitigation [Fellow]
- viii. Astronomical Society of Nigeria [Fellow]

Date: 8th June 2022

Signature:

