

## AKINSANOLA Akintomide Afolayan

**Present Position Held** Postdoctoral Research Associate  
**Present Affiliation** University of Georgia, Athens Georgia, USA.  
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**Link** <https://scholar.google.com.hk/citations?user=gAm4E5cAAAAJ&hl=en>  
[https://www.researchgate.net/profile/Akintomide\\_Akinsanola](https://www.researchgate.net/profile/Akintomide_Akinsanola)

### EDUCATION

#### 1. City University of Hong Kong, Hong Kong SAR

Ph.D. Candidate, Atmospheric Science (Excellent, 4.0/4.3) July 2019

#### 2. Federal University of Technology Akure, Nigeria

M.Tech., Meteorology (Distinction, 4.6/5.0) May 2015

B.Tech., Meteorology (Second Class upper division, 3.52/5.0) Sep 2011

### RESEARCH EXPERIENCE

1. *Postdoctoral Research Associate.* Sep 2019  
Department of Geography, University of Georgia, USA
2. *Visiting Scientist*, GFI, University of Bergen, Aug 2018 – Oct 2018  
Bergen, Norway
3. *Teaching and Research Assistant*, Feb 2013 – 2016  
Federal University of Technology Akure, Nigeria
4. *Observer and Forecaster (intern)* April 2010 – Dec 2010  
Nigeria Meteorological Agency (NIMET), Ilorin  
International Airport, Ilorin, Nigeria

## TEACHING EXPERIENCE

1. *Assistant Lecturer*, Federal University of Technology Akure, Nigeria. 2016 – till date
2. *Teaching Assistant*, City University of Hong Kong, Hong Kong SAR (Climate Change and Extreme Weather), Semester B: 2016–17; Semester C: 2016–17.
3. *Teaching Assistant*, City University of Hong Kong, Hong Kong SAR (Climate Change: Science, Adaptation and Mitigation), Semester A: 2017–18

## MEMBERSHIP OF PROFESSIONAL BODIES:

1. Asia Oceania Geoscience Society, (AOGS)
2. Nigeria Meteorological Society, (NMetS)

## AWARDS

1. *School of Graduate Studies Scholarship* Sep 2018
  - Awarding body: City University of Hong Kong.
  - Cash prize: HK\$60,000 + Certificate
2. *Outstanding Academic Performance Award* Sep 2018
  - Awarding body: City University of Hong Kong.
  - Cash prize: HK\$1,000 + Certificate
3. *Research Tuition Scholarship* Sep 2017 – Aug 2018
  - Awarding body: City University of Hong Kong.
  - Worth: HK\$42,096.
4. *Outstanding Academic Performance Award* Sep 2017
  - Awarding body: City University of Hong Kong.
  - Cash prize: HK\$1,000 + Certificate
5. *Excellence Award*

- Awarding body: National Youth Service Corp (NYSC) 2012
- 6. *Academic Merit Award* 2008
  - Awarding body: Senator Isiaka Adeleke
  - Cash prize: #50,000 + Certificate

## REFEREED JOURNALS

1. Orimoloye IR, Ololade OO, Mazinyo SP, Kalumba AM, Ekundayo OY, Busayo ET, **Akinsanola AA** and Nel W (2019) Spatial assessment of drought severity in Cape Town area, South Africa. *Heliyon*.  
<https://doi.org/10.1016/j.heliyon.2019.e02148>
2. Gbode IE, Adeyeri OE, Menang KP, Intsiful JDK, Ajayi VO, Omotosho JA and **Akinsanola AA** (2019) Observed changes in climate extremes in Nigeria. *Meteorological Applications*. <https://doi.org/10.1002/met.1791>
3. **Akinsanola AA** and W. Zhou (2018) Projection of West African summer monsoon rainfall in dynamically downscaled CMIP5 models. *Climate Dynamics*.  
<https://doi.org/10.1007/s00382-018-4568-6>
4. Morakinyo TE, Ogungbenro SB, Abolude AT and **Akinsanola AA** (2018) Quantifying the effect of rain events on outdoor thermal comfort in a high-density city, Hong Kong. *Int J Biometeorol*. <https://doi.org/10.1007/s00484-018-1634-z>
5. **Akinsanola AA** and W. Zhou (2018) Dynamic and thermodynamic factors controlling increasing summer monsoon rainfall over the West African Sahel. *Climate Dynamics*. <https://doi.org/10.1007/s00382-018-4394-x>
6. **Akinsanola AA** and W. Zhou (2018) Ensemble-based CMIP5 simulations of West African summer monsoon rainfall: current climate and future changes. *Theoretical and Applied Climatology*. DOI: 10.1007/s00704-018-2516
7. **Akinsanola AA** and W. Zhou (2018) Projected changes in West Africa summer

- monsoon rainfall extremes from two CORDEX models. *Climate Dynamics*.  
<https://doi.org/10.1007/s00382-018-4238-8>
8. Ogunjobi KO, Daramola MT and **Akinsanola AA** (2018) Estimation of surface energy fluxes from remotely sensed data over Akure, Nigeria. *Spat. Inf. Res.* 26: 77. <https://doi.org/10.1007/s41324-017-0149-8>
  9. Odulami RC and **Akinsanola AA** (2018). Recent Assessment of West African Summer Monsoon Daily Rainfall Trends. *Weather*. DOI: 10.1002/wea.2965
  10. Adeyeri OE, **Akinsanola AA** and Ishola KA (2017) Investigating surface urban heat island characteristics over Abuja, Nigeria: Relationship between land surface temperature and multiple vegetation indices. *Remote Sensing Applications: Society and Environment*. [doi.org/10.1016/j.rsase.2017.06.005](https://doi.org/10.1016/j.rsase.2017.06.005)
  11. **Akinsanola AA** and Ogunjobi KO (2017) Evaluation of present-day rainfall simulations over West Africa in CORDEX regional climate models. *Environ Earth Sci.* 76: 366. [doi:10.1007/s12665-017-6691-9](https://doi.org/10.1007/s12665-017-6691-9)
  12. **Akinsanola AA** and Coauthors (2017). Evaluation of rainfall simulations over West Africa in dynamically downscaled CMIP5 global circulation models. *Theor Appl Climatol*. DOI 10.1007/s00704-017-2087-8
  13. Raji KB, Ogunjobi KO and **Akinsanola AA** (2017). Radiative effects of dust aerosol on West African climate using simulations from RegCM4. *Modeling Earth Systems and Environment*. DOI: 10.1007/s40808-017-0295-y
  14. **Akinsanola AA** et al. (2017) Assessment of Wind Energy Potential for Small Communities in South-South Nigeria: Case Study of Koluama, Bayelsa State. *J Fundam Renewable Energy Appl* 7: 227. [doi:10.4172/20904541.1000227](https://doi.org/10.4172/20904541.1000227)
  15. **Akinsanola AA**, Ogunjobi KO, Ajayi, VO et al. (2016). Comparison of five gridded precipitation products at climatological scales over West Africa. *Meteorol Atmos Phys*. [doi:10.1007/s00703-016-0493-6](https://doi.org/10.1007/s00703-016-0493-6)

16. Babalola OS and **Akinsanola AA** (2016). Change Detection in Land Surface Temperature and Land Use Land Cover over Lagos Metropolis, Nigeria. *J. Remote Sensing & GIS* 5: 171. doi:10.4172/2469-4134.1000171
17. **Akinsanola AA** and Aroninuola BA (2016). Diagnostic Evaluation of September 29, 2012 Heavy Rainfall Event over Nigeria. *Journal of Climatology & Weather Forecasting* 4: 155. doi:10.4172/2332-2594.1000155
18. **Akinsanola AA** and Ogunjobi KO (2015). Recent Homogeneity Analysis and Long Term Spatio-temporal Rainfall Trends in Nigeria. *Theoretical and Applied Climatology*. DOI: 10.1007/s00704-015-1701-x
19. **Akinsanola AA** Ogunjobi KO, Gbode IE and Ajayi VO (2015). Assessing the Capabilities of three Regional Climate Models over CORDEX Africa in Simulating West African Summer Monsoon Precipitation. *Advances in Meteorology*, Vol. 2015, Article ID 935431, 13pages. doi:10.1155/2015/935431
20. Gbode IE, **Akinsanola AA** and Ajayi VO (2015). Recent Changes of Some Observed Climate Extreme Events in Kano. *International Journal of Atmospheric Sciences*, Vol. 2015, Article ID 298046, 6pages, 2015. doi:10.1155/2015/298046
21. **Akinsanola AA** and Ogunjobi KO (2014). Analysis of Rainfall and Temperature Variability over Nigeria. *Global Journal of Human Social Science Geography & Environmental Geosciences*, Volume 14 issue 3 Version 1.0 year 2014, pages 10-28
22. Oluleye A, Ogunjobi KO, Bernard A, Ajayi VO, and **Akinsanola AA** (2012). Multiyear Analysis of Ground-Based Sunphotometer (AERONET) Aerosol Optical Properties and Its Comparison with Satellite Observations over West Africa. *Global Journal of Human Social Science Geography & Environmental Geosciences* Volume 12 Issue 10 Version 1.0 year 2012, pages 1-19

## Published Conference PAPERS/PRESENTATIONS

1. **Akinsanola AA** and W. Zhou: “Projection of West African summer monsoon rainfall in CORDEX models”, 15th Annual Meeting, Asia Ocean Geosciences Society (AOGS), **Honolulu, Hawaii**, USA. 03 - 08 Jun 2018. (\*presenting author)
2. **Akinsanola AA** and W. Zhou: “Contrasting features of West African summer monsoon during wet and dry rainfall years: Observational diagnostics”, 14th Annual Meeting, Asia Ocean Geosciences Society (AOGS), **Singapore**, USA. 06 - 11 Aug 2017. (\*presenting author)
3. **Akinsanola AA** and W. Zhou: “Contrasting features of West African summer monsoon during wet and dry rainfall years. 3<sup>rd</sup> NUIST-POSTECH-CITYU Joint Workshop on Climate Dynamics and Future Changes: Towards understanding and predicting climate variability and changes. 20 – 22 December 2017, Hong Kong SAR. (\*presenting author)
4. **Akinsanola AA** and W. Zhou: Projected changes in daily to decadal variability of West African summer monsoon rainfall. International Workshop on the Asian Monsoon in a Warmer World. 20 - 23 August, 2017, China
5. **Akinsanola AA** and Ogunjobi KO (2014). Diagnostic Evaluation of Precipitation over West Africa using three of the CORDEX Africa Simulations. Book of Conference Proceedings, the Nigeria Meteorological Society Conference, Markudi, Nigeria, 120-127. (\*presenting author)
6. Ibitolu HA, Ogunjobi KO, Aderoju MO, **Akinsanola AA** and Daramola MT (2014). Analysis of Climate Change Impacts on Land Surface Temperature and Vegetation over Akure Using Geopotential Techniques. Book of Conference Proceedings, The Nigeria Meteorological Society Conference, Markudi, Nigeria, 65-743 (\*presenting author)

7. **Akinsanola AA** and Ogunjobi KO (2013). Equivalent Potential Temperature: A Diagnostic Tool for Cold Spell Signature in Nigeria: Book of Conference Proceedings, The Nigeria Meteorological Society Conference, Abuja, Nigeria, 65-714.
8. Ahmed A Balogun, Adamson A Ogunsusi, **Akintomide A Akinsanola** and Gbode I Ezekiel (2013). Potentials of Organic Fertilizers on the Yield of Leaf Amaranth as an Adaptation to Climate Change: Book of Conference Proceeding, The Nigeria Meteorological Society Conference, Abuja, Nigeria, 155-158
9. **Akinsanola AA**, Gbode IE and Ogunjobi KO (2013). Variability of Sea Surface Temperature and Atmospheric Circulation during the West African Summer Monsoon: Book of Proceeding, The Nigeria Meteorological Society Conference, Abuja, Nigeria, 117-122
10. **Akinsanola AA** and Ogunjobi KO (2011). Analysis of Climate Variability over Nigeria: Book of Conference Proceedings, the Nigeria Meteorological Society Conference, Zaria, Nigeria, 107-111

## **WORKSHOP ATTENDED**

1. International Workshop on the Asian Monsoon in a Warmer World. 20 - 23 August, 2017, China
2. Targeted Training Activity (TTA) 2017: Monsoon in a changing climate at The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy (31 July – 4 August, 2017)
3. 4<sup>th</sup> International Conference on Climate Change (ICCC2017@HK) held on the 21st-22nd April 2017 at Chiang Chen Studio Theatre, Hong Kong Polytechnic University, Hong Kong
4. Workshop on Computational Science Infrastructure and Applications for Academic

Development undertaken at The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy (28th September – 9th October)

5. High Performance Computing for Climate Modeling, undertaken at WASCAL, Federal University of Technology Akure, Nigeria (29th June – 2nd July, 2015)
6. UNDP-FMENV-FUTA Climate Change Workshop, undertaken at WASCAL, Federal University of Technology Akure, Nigeria (30th June – 4th July, 2014)

### **PROFESSIONAL ACTIVITIES:**

1. Invited Editorial Board Member, Scientific Data (Nature)

#### **Reviewer**

1. Journal of Geophysical Research-Atmospheres
2. Geophysical Research Letters
3. Climate Dynamics
4. Theoretical and Applied Climatology
5. Atmospheric Research Letters
6. Advances in Atmospheric Sciences
7. Spatial Information Research
8. Meteorological Applications