

PROFESSOR GIDEON C. UFOEGBUNE



i. Biography

Professor Gideon Ufoegbune is a Professor of Remote Sensing and Agrometeorology in the department of Water Resources Management and Agrometeorology. Prof. Ufoegbune obtained his Bachelor's degree in Geography, a Master's degree in Remote Sensing Application, and a Doctoral degree in Agrometeorology. He joined the active service of the Federal University of Agriculture, Abeokuta (FUNAAB) in 2001 as an Assistant Lecturer, where he rose through the rank to become a professor in 2016. Prof. Ufoegbune is an astute researcher with a multidisciplinary research interest. He is currently the Editor in Chief of the Journal of Meteorology and Climate Science, a journal of the Nigerian Meteorological Society (NiMET). He is also an editor for several journals, including the Journal of Metrology, Hydrology and Climate Change. He is also the Chairperson, Publication Committee of the newly formed Journal of African Meteorological Society (AfMS). His research expertise cut across the application of

Geographic Information System (GIS), remote sensing in agrometeorology, hydrology and climate sciences.

ii. Personal Information

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|-------|---------------------------|---------------------------------|
| (i) | Name in Full: | UFOEGBUNE Gideon Chukuma |
| (ii) | Date of Birth: | 16 th August, 1962 |
| (iii) | Place of Birth: | Issele Uku, Delta State |
| (iv) | Sex: | Male |
| (v) | Marital Status: | Married |
| (vi) | Nationality: | Nigerian |
| (vii) | Town and State of Origin: | Issele Uku, Delta State |

iii. **Department:** Water Resources Management and Agrometeorology

iv. **E-mail address:** gidufoes2000@yahoo.co.uk, ufoegbunegc@funaab.edu.ng

v. **Phone Number:** +23407031896607

vi. **Rank:**Professor

vii. **Designation:**Professor

viii. **Researchgate Address:** [\(15\) Gideon Ufoegbune \(researchgate.net\)](#)

ix. **Linkedin Address:** <https://www.linkedin.com/in/gideon-ufoegbune-73753215>

x. **Google Scholar Profile:**[Ufoegbune, GC - Google Scholar](#)

xi. **ORCID Number:**<https://orcid.org/my-orcid?orcid=0000-0001-6975-3623>

xii. **Qualifications:**

- Bachelor of Science in Geography
University of Nigeria, Nsukka 1984
- M. Tech. Remote Sensing Application
Federal University of Technology, Minna 1997
- Ph.D. Agrometeorology
Federal University of Agriculture, Abeokuta. 2010

xiii. **Membership of Professional Bodies**

- Nigeria Meteorological Society

xiv. **Award Received:**

- **University Assignments**
 - Acting Head,

Department of Water Resources Management and Agrometeorology (2012-2014)

- Member of Senate (2012-2014, 2016-)
- Group Leader, Group B, PG School Business Committee (2023-)

xv. **Research Conducted**

MSc. Dissertation

- **Ufoegbune, G.C.**(2010): Quantitative modelling of rainfall in different eco-climatic regions of Nigeria, Ph.D Thesis, Federal University of Agriculture, Abeokuta. 111p
- **Ufoegbune, G.C.**(1997): Morphometric Analysis of River Garanga using SPOT HRV Xs Data, M.Sc Dissertation, Federal University of Technology, Minna. 87p
- **Ufoegbune, G.C.**(1984): Nature and Problems of Water Supply in Issele-Uku, B.Sc. Research Report, University of Nigeria, Nsukka. 62p.

xvi. **Journal Article in Print:**

- (1) **Ufoegbune, G.C.**, (2004): Application of Remote Sensing and GIS to Coastal Dynamics in Ojo Area, Lagos. *ASSET. Series A*, 4(1): 41-48, Published by University of Agriculture, Abeokuta. URL: <http://www.unaab.edu.ng/asset/authorList>.
- (2) Bello, N.J., **Ufoegbune, G.C.** and Akanni, C.O. (2004): Climatic Classification Approach to Agricultural Landuse Planning in Ogun-Oshun River Basin Area in Nigeria. *Journal of Nigerian Meteorological Society*, 4(2): 50-62, Published by Nigerian Meteorological Society, Lagos.
- (3) **Ufoegbune, G.C.**, Adeofun C. O. and Awomeso, J.A. (2007): Landuse Change Detection of Eleiyele and its Environs using Remote Sensing Techniques. *Journal of Trop. For. Res.*, 23: 29-37. Published by Tropical Forest Resources Association, Ibadan.
- (4) Badmus, B.S., **Ufoegbune, G.C.**, Taiwo, O.O. and Ayolabi, E.A. (2008): Geophysical Investigations and Grounwater Quality within Camp village, Abeokuta, Southwestern, Nigeria. *ASSET. Series B*, 7(1): 47-52. Published by University of Agriculture, Abeokuta. URL: <http://www.unaab.edu.ng/asset/authorList>.
- (5) **Ufoegbune, G.C.**, Oguntoke, O., Adeofun, C.O. and Salako, A. (2008): Remote Sensing Techniques applied to the study of time related changes in the land use of Abeokuta and environs, South- western Nigeria. *ASSET. Series A*, 8(1): 98-108. Published by University of Agriculture, Abeokuta.

- (6) **Ufoegbune, G.C.**, Ladipo-Ajayi, O., Oyedepo, J. and Eruola, A. (2009): GIS application to municipal water supply planning in Abeokuta metropolis, south western Nigeria. *J. Met. & Clim. Sci.*, 7: 23-27 Published by Nigerian Meteorological Society, Lagos.
- (7) Bello, N.J., Eruola, A., **Ufoegbune, G.C.** and Awomeso, J.(2009): An assessment of water supply potential for crop production: Comparative study of river basins under the jurisdiction of two river basin development authority areas located in different ecological zones of Nigeria. *J. Met. & Clim. Sci.*, 7: 49-57 Published by Nigerian Meteorological Society, Lagos.
- f(8)Awomeso, J. A., **Ufoegbune, G. C.**, Oluwasanya, G. O. and Ademola-Aremu, O. O.(2009): Impact of industrial effluents on water, soils and plants in the Alakia industrial area of Ibadan, South West Nigeria, *Toxicological & Environmental Chemistry*, 91(1): 5-15. Published by Taylor and Francis Group, London. Available online at: <http://www.informaworld.com>
- f(9) **Ufoegbune, G.C.**, Lamidi, K. I., Awomeso, J.A., Eruola, A.O., Eruola, A.O., Idowu, O.A. and Adeofun, C.O. (2009): Hydro-geological characteristics and groundwater quality assessment in some selected communities of Abeokuta, Southwest Nigeria. *Journal of Environmental Chemistry and Ecotoxicology*, 1(1): 10-22, Published by Academic Journals. Available online at <http://www.academicjournals.org/JECE>
- (10)Awomeso, J.A., **Ufoegbune, G.C.**, Eruola, A.O., Adeofun, C.O. and Eruola, A.O. (2009): Human Health and Environmental Risk Assessment of the Alakia Industrial district of Ibadan, South West Nigeria. *J. Agric. Sci. Env.*, 9(1): 48-69. Published by University of Agriculture, Abeokuta. Available online at <http://www.unaab.edu.ng/asset/authorList>.
- (11)Awomeso J.A, Gbadebo A.M, **Ufoegbune, G.C.** Balogun G.O and Eruola, A.O. (2009): Towards Effective Planning, Design and Monitoring Of Dams In Nigeria. *J. Agric. Sci. Env.*,9(2): 45-63 Published by University of Agriculture, Abeokuta. Available online at <http://www.unaab.edu.ng/asset/authorList>.
- f(12)Bello, N.J., Eruola, A.O., **Ufoegbune, G.C.** and Awomeso, J.A.(2010): Evaluation of Some Empirical Methods of Estimating Potential Evapotranspiration for Determination of Length of Growing Season in a Tropical Wet and Dry Climate. *African Journal of Agricultural Research*, 5(16): 2116-2123. Published by Academic Journals. Available online at <http://www.academicjournals.org/AJAR>

- f(13) **G. C. Ufoegbune**, A. O. Eruola, J. A. Awomeso and O. A. Idowu. (2010): Spatial analysis of municipal water supply in Abeokuta metropolis, South western Nigeria. *Journal of Geography and Regional Planning*, 3(7): 169-176. Published by Academic Journals. Available online at <http://www.academicjournals.org/JGRP>
- f(14) Eruola, A.O., **Ufoegbune, G.C.**, Eruola, A.O. Awomeso, J.A., Adeofun, C.O., Idowu, O.A. and Sowunmi, A. (2010): Qualitative and Quantitative Assessment of Rainwater Harvesting From Rooftop Catchments: Case Study of Oke-Lantoro Community in Abeokuta, Southwest Nigeria. *European Water*, 32: 47-56, Published by European Water Resource Association. National Technical University of Athens. Available online http://www.ewra.net/ew/issue_32.htm -
- f(15) **Ufoegbune, G.C.**, Ogunyemi, O., Eruola, A.O and Awomeso, J.A.(2010): Variation of interception loss with different plant species at the University of Agriculture, Abeokuta, Nigeria. *African Journal of Environmental Science and Technology*, 4(12): 831-844, Available online at <http://www.academicjournals.org/AJEST>
- f(16) **Ufoegbune, G.C.**, Orimoloye, A.O., Eruola, A.O. and Ogunyemi, I.O. (2011): The Economics of Water Supply Management in Obantoko Area, Abeokuta, Nigeria. *Journal of Geology and Mining Research*, 3(6): 153-1601. Available online at <http://www.academicjournals.org/jgmr>
- f(17) **Ufoegbune, G.C.**, Yusuf, H.O., Eruola, A.O. and Awomeso, J.A. (2011): Estimation of water balance of Oyan lake in the northwest region of Abeokuta Nigeria. *British Journal of Environment & Climate Change*, 1(1): 13-27. SCIENCE DOMAIN International. Available online at www.sciencedomain.org
- f(18) **Ufoegbune G. C.**, Oparinde O. C. and Eruola A. O. (2011): Municipal water supply planning in Oyo metropolis, Oyo State, South Western Nigeria. *Journal of Geography and Regional Planning*, 4(7): 392-400. Available online <http://www.academicjournals.org/JGRP>
- (19) **Ufoegbune, G.C.**, Bello, N.J., Martins, O., Asiribo, O.E., Adeofun, C.O. and Eruola, A.O.(2011): "Estimating Rainfall Amounts in Nigeria using Tamsat Method" *J. Met. & Clim. Sci.*, 9(1): 49-57. Published by Nigerian Meteorological Society, Lagos.
- f(20) Eruola A.O., Eruola A. O., **Ufoegbune G. C.**, Ojekunle, Z.O., Makinde, A.A. and Amori, A.A.(2012): Quantitative assessment of the effect of thunderstorm on rainwater harvesting from rooftop catchments at Oke-Lantoro community in Abeokuta, southwestern Nigeria. *Resources and Environment*, 2(1): 27-32. DOI: 10.5923/j.re.20120201.04

- f* (21)Eruola, A.O., Bello, N.J., **Ufoegbune, G.C.** and Makinde, A.A.(2011): Effect of Variety Selection on Growth, Development and Yield of White Yam in Southwestern Nigeria. ***Libyan Agriculture Research Center Journal International***, 2(6): 244-248, ISSN 2219-4304.
- f* (22)Amori, A. A., Awomeso, J. A., **Ufoegbune, G. C.**, Makinde, A. A. and Taiwo O. O.(2012): Spatial Variation of Throughfall in Two Tree Plantations in Abeokuta, South-Western Nigeria, ***International Journal of Ecosystem***, 2(1): 15-18. DOI: 10.5923/j.ije.20120201.03
- f* (23)Eruola, A.O., Bello, N.J., **Ufoegbune, G.C.** and Makinde, A.A. (2012): Effect of mulching on soil temperature and Moisture regime on emergence, growth and yeild of white yam in a tropical wet and dry climate. ***International Journal of Agriculture and Forestry***, 2(1): 93-100. DOI: 10.5923/j.ijaf.20120201.03
- f* (24)Eruola, A.O.,Bello, N.J., **Ufoegbune G.C.**and Makinde, A.A.(2012): Application of Rainfall-Potential Evapotranspiration Model for Determining Optimum Planting Date of Yam (*Dioscorea rotundata*) in a Tropical Wet-and-Dry Climate. ***Global Journal of Science Frontier Research (D)***, 12(5): 53-58, Global Journals Inc. (US).
- f* (25)**Ufoegbune, G.C.**, Bello, N.J., Ojekunle, Z. O., Orunkoye, A.R., Eruola, A.O. and Amori, A.A.(2011): Rainfall Erosivity pattern of Ogun River basin area, Nigeria using Modified Fournier Index. ***European Water***, 35: 23-29, 2011. Published by European Water Resource Association. National Technical University of Athens. Available online [http:// www.ewra.net/ew/issue_35.htm](http://www.ewra.net/ew/issue_35.htm)
- f* (26)**Ufoegbune, G. C.**, Adeyanju, A.A, Eruola, A.O, Awomeso, J.A. and Amori, A.A. (2012): The Effect of Plant Density and Height on Throughfall in University of Agriculture, Abeokuta, Nigeria. ***Global Journal of Science***,12(8): 43-51, Global Journals Inc. (US)
- f* (27)Eruola, A. O., Eruola, A. O., **Ufoegbune, G. C.**, Amori, A. A. and Ogunyemi, I. O.(2012): Assessment of atmospheric moisture using hygroscopic salts in dry-and-wet climate of Nigeria.***International Journal of Water Resources and Environmental Engineering***, 4(8): 270-274. Available online at <http://www.academicjournals.org/IJWREE>. DOI:ISSN 1991-637X ©2012
- f* (28)**Ufoegbune, G.C.**, Bello, N.J., Ogunsakin, A.O. Eroula, A.O. Makinde A.A., and Amori, A.A. (2012): Assessment in the Variations of Water Uptake of two Horticultural Crops Amaranthus and Celosia at Federal University of Agriculture, Abeokuta, Nigeria. ***J. Biol. Chem. Res.***, 28: 78-84. Published by Society for

Advancement of Science. ISSN 0970-4973 (Print), ISSN 2319-3077 (Online/Electronic).

- f* (29) **Ufoegbune, G.C.**, Bello, N.J., Dada, O.F., Eruola, A.O., Makinde, A.A. and Amori, A.A. (2012): Estimating Water Availability for Agriculture in Abeokuta, South Western Nigeria. *Global Journal of Science Frontier Research (D)*, 12 (9): 13-24. Global Journals Inc. (US)
- f* (30) **Ufoegbune, G.C.**, Bello, N.J., Eruola, A.O., Amori A. A. and Makinde, A.A.(2012): Effects of Moisture Variation on Dry Season Production of Beans at Federal University of Agriculture, Abeokuta, Nigeria. *J. Biol. Chem. Res.*,29: 254-261, Published by Society for Advancement of Science. ISSN 0970-4973 (Print), ISSN 2319-3077 (Online/Electronic).
- f* (31) Makinde, A.A., Bello, N.J., **Ufoegbune, G.C.**, Eruola, A.O. and Kazeem, H.G.(2012): Agrometeorological Indices and Performance of Okra in Mixtures with Sorghum and Maize in Forest-Savanna Transition Zone of Nigeria. *J. Met. & Clim. Sci.*, 10(1): 5-15, Published by Nigerian Meteorological Society, Lagos.
- (32) Eruola, A.O., Bello, N.J., **Ufoegbune, G.C.** and Makinde, A.A.(2012): An assessment of rainwater supply on yam production in Southwestern Nigeria. *J. Met. & Clim. Sci.*, 10(1): 34-41, Published by Nigerian Meteorological Society, Lagos.
- f* (33) Akeem Makinde, Niyi Bello, Faucett Olasatan, Abayomi Eruola and **Gideon Ufoegbune**. (2012): Agroclimatic potential for cultivation of two sorghum cultivars in mixtures with okra and maize in a forest-savanna transition zone of Nigeria. *Italian Journal of Agrometeorology*, 17(3): 35-48, Published by Italian Association of Agrometeorology, Torino, Italy.
- f* (34) Awomeso, J.A., Gbadebo, A.M., Taiwo, A.M., Ogunniyi, I.M., **Ufoegbune, G.C.** and Eruola, A.O.(2012): Impact of urbanisation on Ona River in Eleyele catchment in Ibadan, Nigeria. *Global Journal of Human Social Sciences, Geography and Environmental Geosciences*, 12(11): 51-57 Global Journals Inc. (USA)
- f* (35) Eruola, A.O., Bello, N.J., **Ufoegbune, G.C.** and Akeem Makinde, (2013): Effect of Climate Variability and Climate Change on Crop Production in Tropical Wet-and Dry Climate. *Italian Journal of Agrometeorology* 18(1); 17-22. Published by Italian Association of Agrometeorology, Torino, Italy.
- f* (36) Eruola, A.O., Sholademi, A.A., **Ufoegbune, G.C.**, Akeem Makinde and Iposu, S.O. (2013): Interactive effects of season, breed and grazing location on lactation yield in a

- tropical wet-and-dry climate of Nigeria. *World Science Research Journals*, 1(11): 318-322. World Science Research Journals.
- *(37) **foegbune GC**, Fadipe OA, Bello NJ, Eruola AO, Makinde AA, and Ojekunle O.Z. (2014) Growth and Development of Watermelon in Response to Seasonal Variation of Rainfall. *J. Met. & Clim. Sci.*, 12(1): 31-40. Published by Nigerian Meteorological Society, Lagos.
- f*(38)Eruola A, Awomeso J, **Ufoegbune G.C.**, Kassim H, Makinde A (2014) An Assessment of Rain Water Supply for Kenaf- Maize Intercrop. *Irrigat Drainage Sys Eng.*, 3(3). doi:110.4172/2168-9768.1000125
- f*(39)Abayomi Eruola, **Gideon Ufoegbune**, Akeem Makinde and Hassan Kassim (2014) Effect of Planting Season on Phenology and Accumulated Heat Units in Relation to Yield of White Yam in the Tropical Wet- and-Dry Climate. *Jordan Journal of Agricultural Sciences*, 10(4): 758-770. Published by University of Jordan.
- *(40) **G.C. Ufoegbune**, N.J. Bello, A.O. Eruola, K. E. Kehinde, A.A. Makinde, Z. O. Ojekunle and A.A. Amori. (2015). Effect of Climate Variability on the Onset, Cessation and Length of Growing Season of Selected Crop in the Mangrove Savannah and Transition Zone in Nigeria Using Rainfall Potential Evapotranspiration Model. *J. Met. & Clim. Sci.*, 13(1): 21-27. Published by Nigerian Meteorological Society, Lagos.
- *(41) **Ufoegbune, G. C.**, Adekunle, A. A., Adebisi, G.A., Bello, N.J., Eruola, A.O. and Makinde A.A. (2015) Performance of Amaranthus species under two different environmental conditions in derived savannah agroecology, Southwestern Nigeria. *African Journal of Agriculture, Technology and Environment*,4(2): 33 – 45.E-ISSN: 2346-7290, Published by University of Port Harcourt.
- *(42)**Ufoegbune GC**, Adebisi GA, Adekunle AA (2016) Determination of Water Use of Three Vegetables; Amaranthus (*Amaranthus cruentus*), Jutemallo (*Corchorus olitorius*) and Celosia (*Celosia argentea*) at Abeokuta, Nigeria. *J Environ Anal Toxicol.*, 6: 374. doi:10.4172/2161-0525.1000374
- *(43)**Ufoegbune, GC.**, Atanley P. A., Eruola, A.O., Makinde, A.A. and Ojekunle, Z.O. (2016) Geographical Information System (GIS) Application for Planning and Improvement of Public Water Supply in Ota, Ogun State, Nigeria. *J. Appl. Sci. Environ. Manage.*, Vol. 20 (2) 1105 – 1111. Published by University of Port Harcourt.

- * (44) Ufoegbune, G.C.** and Fabiyi, S. (2016). Identification of Land Areas Suitable for Fadama Farming at Federal University of Agriculture, Abeokuta, Nigeria using GIS. *J. Appl. Sci. Environ. Manage.*, Vol. 20 (4) 1027 – 1032. Published by University of Port Harcourt.
- f** (45) **Ufoegbune, G. C.**, Osunbunmi, T. R., Bello, N. J., Eruola, A. O., Makinde, A. A., and Ojekunle, Z. O. (2016). Effects Of Climate Change And Inter Annual Variation Of Climate On Cocoa Production In Cocoa Research Institute (CRIN) Farm, Oluyole Local Government, Ibadan, Nigeria. *ADRRRI Journal of Agriculture and Food Sciences, Ghana*, 13(8:2): ISSN: 2026-5204. Published by the Africa Development and Resources Research Institute's Journal of Agriculture and Food Sciences.
- (46) Ojekunle Z.O¹, **Ufoegbune G.C¹**, Ojekunle O. O¹, Makinde A.A¹ and Ojekunle V.O (2020) Climate Change: The Empirical Study of the Sensitivity Model in China's Energy Efficiency and Sustainable Development, *J. Met & Clim. Sci. 18(1): 49-61 (March, 2020)*
- (47) Layi-Adigun, B. O, **Ufoegbune G.C**, Makinde A.A, Ahmad S.M, Oyelakin J.F & Dada V.O (2020) Rainfall characteristics in the humid and transition zones of Southwest, Nigeria. *J. Met & Clim. Sci. 18(1): 62-69 (March, 2020)*
- (48) Gideon C. Ufoegbune**, Rachael O. Oluwadare, Barakat O. Layi-Adigun, Victoria O. Olagoke, Osen O. Ilevbaoje and Clara I. Ufoegbune (2021) Effect of the proximity of hand-dug wells to septic tanks on water quality in aregbe community, abeokuta, ogun state, nigeriaFUW Trends in Science & Technology Journal, www.ftstjournal.com e-ISSN: 24085162; p-ISSN: 20485170; December, 2021: Vol. 6 No. 3 pp. 810 – 816

f = Articles in foreign Journals