

CURRICULUM VITAE

SECTION A: PERSONAL DATA

NAMES IN FULL: ABU Rayleigh Dada, Ph.D
STAFF NO: AS/819
DEPARTMENT: Geography
AREA OF SPECIALIZATION: Geomorphology, Hydrology & Environmental Management
PRESENT RANK/ GRADE LEVEL: Professor of Geography (CONUASS 7/2)

DATE AND PLACE OF BIRTH: 23rd October, 1975, Igarra
STATE: Edo
L.G. A: Akoko-Edo
NATIONALITY: Nigerian
GENDER: Male
MARITAL STATUS: Married
PHONE NO: 08061597188
EMAIL: abdaray@yahoo.com

LANGUAGE (S) SPOKEN: Etuno, Yoruba, English, Hausa

PERMANENT HOME ADDRESS: Chief Apeji Abu Sanni Residences, NO.79B Somorika Road, After Aba Festival Ground, Ugbogbo Quarters, Igarra, Edo State.

CURRENT CONTACT ADDRESS: Department of Geography, Federal University of Kashere, P.M.B. 0182, Gombe State.

PLACE/DATE OF FIRST APPOINTMENT: FCT-SEB/ 18th September, 2006

DATE OF PRESENT APPOINTMENT: 4th November, 2013

DATE OF CONFIRMATION: 4th November, 2015

DATE OF LAST PROMOTION: 1st January, 2025

SECTION B: EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES:

Institution	Degree/Cert. Obtained	Date
Iretoji Primary School Igarra	F.S.L.C	1978-1985
Anglican Grammar School Igarra	S.S.C.E (W.A.E.C)	1985-1991
College of Education, Agbor	N.C.E Geography/Economics	1993-1996
Ahmadu Bello University, Zaria	O/L I.J.M.B Mathematics (Credit)	1999
Ahmadu Bello University, Zaria	B.Sc. ED Geography	1998-2002
Ahmadu Bello University, Zaria	M.Sc Geography	2005 -2009
Ahmadu Bello University, Zaria	PhD Geography	2010-2014

SECTION C: ACADEMIC QUALIFICATIONS OBTAINED WITH DATES:

Degree	Area of Specialization	Awarding Institution	Date
B.Sc.ED Geography	Second Class Honours Lower Division	Ahmadu Bello University, Zaria	2002
M.Sc Geography	Geomorphology, Hydrology & Environmental Management	Ahmadu Bello University, Zaria	2009
PhD Geography	Geomorphology, Hydrology & Environmental Management	Ahmadu Bello University, Zaria	2014

SECTION D: ADMINISTRATIVE AND ORGANIZATIONAL RESPONSIBILITIES

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|------|---|-----------|
| i. | Departmental SIWES Coordinator | 2014-2016 |
| ii. | Departmental Field Course Coordinator | 2014-2016 |
| iii. | Meteorological Station Supervisor | 2014-2016 |
| iv. | 200 Level Registration Officer/ Level Coordinator | 2014/2015 |
| v. | Member, Ad-Hoc Committee on 2014 Tree Planting, FUK | 2014 |
| vi. | Member, Department of Geography DTLC Committee | 2014-2021 |
| vii. | Chairman, Department of Geography Committee on Curriculum | |

	Development for the Institute of Maritime Studies, FUK	2015
viii.	Member, Faculty Committee on Post-Accreditation Problem	2016
ix.	Chairman, Department of Geography Committee on Curriculum and Student Hand book Review	2016
x.	Final Year Research Project Coordinator	2015-2017
xi.	Chairman, 2016/2017 Departmental Admission Screening Committee	2016
xii.	Chairman, Departmental Seminar, Research and Publication Committee	2016-2021
xiii.	Appointment as Head of Geography Section in the Faculty Library	2017-2018
xiv.	Member, Internal Mock Accreditation Committee	2017-2018
xv.	Departmental Field Course Coordinator	2017- 2018
xvi.	Member, Departmental Appraisal and Promotion Committee	2018-2021
xvii.	Member, Departmental Quality Assurance Committee	2019-2024
xviii.	Member, Departmental internal board of examiners	2019- 2021
xix.	Member, Departmental Postgraduate board	2019- 2021
xx.	Appointment as Soil Laboratory and Hydrology Coordinator	2020-2021
xxi.	Appointment as 200 Level Field Study Coordinator	2022- 2024

POSTGRADUATE COURSES TAUGHT

2019-2020 ACADEMIC SESSION

GEO 8311 Surface Water Hydrology
GEO 8314 Water Resources Management
GEO 8091 Seminar I
GEO 8092 Seminar II
GEO 8099 Research Project

2020-2021 ACADEMIC SESSION

GEO 8311 Surface Water Hydrology
GEO 8314 Water Resources Management
GEO 8091 Seminar I
GEO 8092 Seminar II
GEO 8099 Research Project

2021-2022 ACADEMIC SESSION

GEO 8311 Surface Water Hydrology
GEO 8314 Water Resources Management
GEO 8091 Seminar I
GEO 8092 Seminar II
GEO 8099 Research Project

2022-2023 ACADEMIC SESSION

GEO 8311 Surface Water Hydrology
GEO 8313 Fluvial Geomorphology
GEO 8314 Water Resources Management
GEO 8316 Applied Geomorphology
GEO 8091 Seminar I
GEO 8092 Seminar II

2023-2024 ACADEMIC SESSION

GEO 8311 Surface Water Hydrology
GEO 8313 Fluvial Geomorphology
GEO 8314 Water Resources Management
GEO 8316 Applied Geomorphology
GEO 8091 Seminar I
GEO 8092 Seminar II
GEO 8099 Research Project

2024-2025 ACADEMIC SESSION

GEO 8311 Surface Water Hydrology
GEO 8313 Fluvial Geomorphology

GEO 8091 Seminar I
GEO 8092 Seminar II
GEO 8099 Research Project
GEO 8314 Water Resources Management
GEO 8316 Applied Geomorphology

UNDERGRADUATE COURSES TAUGHT

2012-2013 ACADEMIC SESSION

GEO 2303: Introduction to Climatology and Biogeography
GEO 2302 Introduction to Geomorphology and Soil Geography
GEO 2201 Gombe Region
GEO 1303 Introduction to Environmental Science
GEO 1202 Introductory Physical Geography
GEO 1305 Map Analysis
GEO 1205 Introduction to Practical Geography

2013-2014 ACADEMIC SESSION

GEO 3209 Research Methods
GEO 3215 Biogeography
GEO 3223 Geomorphology
GEO 3231 Introduction to Geographical Hydrology
GEO 3315 Environmental Science Skills
GEO 2303: Introduction to Climatology and Biogeography
GEO 2302 Introduction to Geomorphology and Soil Geography
GEO 1307 Field Studies
GEO 3600 SIWES
GEO 3301 Field Course

2014-2015 ACADEMIC SESSION

GEO 3215 Biogeography
GEO 3223 Geomorphology
GEO 1307 Field Studies
GEO 2201 Gombe Region
GEO 3301 Field Course
GEO 3231 Principles of Hydrology
GEO 4600 Research Project
GEO 4301 Systematic Geography of Nigeria
GEO 4323 Tropical Soils
GEO 4302 Environment and Development
GEO 3600 SIWES

2015-2016 ACADEMIC SESSION

GEO 3209 Research Methods
GEO 3215 Biogeography
GEO 3223 Geomorphology
GEO 1307 Field Studies
GEO 2201 Gombe Region
GEO 3301 Field Course
GEO 3231 Principles of Hydrology
GEO 4600 Research Project
GEO 4301 Systematic Geography of Nigeria
GEO 4323 Tropical Soils
GEO 4302 Environment and Development

2016-2017 ACADEMIC SESSION

GEO 2201 Gombe Region
GEO 3301 Field Course
GEO 3231 Principles of Hydrology
GEO 4600 Research Project
GEO 4301 Systematic Geography of Nigeria
GEO 4323 Tropical Soils

GEO 4302 Environment and Development

GEO 3223 Geomorphology

2017-2018 ACADEMIC SESSION

GEO 4600 Research Project

GEO 4301 Systematic Geography of Nigeria

GEO 4302 Environment and Development

GEO 3223 Geomorphology

GEO 1202 Introductory Physical Geography

GEO 1305 Map Analysis

GEO 1205 Introduction to Practical Geography

2018-2019 ACADEMIC SESSION

GEO 1202 Introductory Physical Geography

GEO 1305 Map Analysis

GEO 1205 Introduction to Practical Geography

GEO 4301 Systematic Geography of Nigeria

GEO 4302 Environment and Development

GEO 3223 Geomorphology

GEO 4600 Research Project

2019-2020 ACADEMIC SESSION

GEO 1202 Introductory Physical Geography

GEO 1205 Introduction to Practical Geography

GEO 4335 Water Resources Evaluation

GEO 4600 Research Project

GEO 3301 Field Course

GEO 4338 Climate Change and Development

2020-2021 ACADEMIC SESSION

GEO 1201 Introduction to Elements of Physical Geography

GEO 1202 Man's Physical Environment

GEO 2203 Introduction to Geomorphology

GEO 3211 Geomorphology

GEO 4221 Tropical Geomorphology

GEO 4600 Research Project

GEO 4302 Environment and Development

2021-2022 ACADEMIC SESSION

GEO 1201 Introduction to Elements of Physical Geography

GEO 1202 Man's Physical Environment

GEO 2203 Introduction to Geomorphology

GEO 3211 Geomorphology

GEO 4221 Tropical Geomorphology

GEO 4600 Research Project

GEO 4302 Environment and Development

2022-2023 ACADEMIC SESSION

GEO 3211 Geomorphology

GEO 2203 Introduction to Geomorphology

GEO 2202 Field Study of Gombe Region

GEO 4322 Tropical Geomorphology

GEO 3600 SIWES

GEO 4600 Research Project

GEO 4334 Water Resources Evaluation

2023-2024 ACADEMIC SESSION

GEO 4302 Environment and Development

GEO 4334 Water Resources Evaluation

GEO 3211 Geomorphology

GEO 2203 Introduction to Geomorphology

GEO 3600 SIWES

GEO 4600 Research Project

2024-2025 ACADEMIC SESSION

GEO 3211 Geomorphology

GEO 201 Introduction to Geomorphology

GEO 215 Introduction to Soil Geography

GEO 205 Field Studies of Gombe Region

GEO 4600 Research Project

GEO 212 Hydrology and Water Resources

GEO 4302 Environment and Development

GEO 4334 Water Resources Evaluation

GEO 3600 SIWES

2025-2026 ACADEMIC SESSION

GEO 101 Introduction to Physical Geography

GEO 215 Introduction to Soil Geography

GEO 4301 Systematic Geography of Nigeria

GEO 301 History of Geographic Thought

GEO 4600 Research Project

SECTION E: MEMBERSHIP OF PROFESSIONAL BODIES WITH DATES:

Professional Body	Registration Number	Date
Teachers Registration Council of Nigeria (TRCN)	CT/S/05312	2006
Nigeria Association of Hydrological Sciences (NAHS)	NAHS/114	2011
Nigerian Meteorological Society (NMetS)	No. 0006192	2012
Association of Nigerian Geographers (ANG)	NS/16/96	2016

SECTION F: WORKING EXPERIENCE/ CAREER PROGRESSION WITH DATES:

Place of Work	Nature of Work	Rank	Date
Department of Geography, Federal University of Kashere, Gombe State	Teaching and Research	Professor	2025-Date
Department of Geography, Federal University of Kashere, Gombe State	Teaching and Research	Reader	2023- 2025
National Centre for Remote Sensing, Jos	Sabbatical Appointment, Research and Development	Assistant Director	2021-2022
Department of Geography, Federal University of Kashere, Gombe State	Teaching and Research	Senior Lecturer	2018-2023
Department of Geography,	Teaching and Research	Lecturer 1	2016-2018

Federal University of Kashere,
Gombe State

Department of Environmental Science National Open University of Nigeria (NOUN)	Instructional/Tutorial Facilitator and Project Supervisor	Part-Time Appointment	2017- Date
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Department of Geography, Federal University of Kashere, Gombe State	Teaching and Research	Lecturer II	2013- 2016
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Directorate of Continuing Education, F C T College of Education, Zuba, Abuja	Teaching and Research	Part-Time Appointment	2010- 2012
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F C T Secondary Education Board, Abuja	Teaching	Education Officer I	2010-2013
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F C T Secondary Education Board, Abuja	Teaching	Education Officer II	2006-2010
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Community Staff Schools Asokoro, Abuja	Teaching	Education Officer II	2005-2006
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Consultancy Outreach Gashua, Federal Polytechnic Damaturu, Yobe State	NYSC	Lecturer	2003-2004
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Department of Geography, College of Education Gashua, Yobe State	NYSC	Lecturer	2003-2004
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SECTION G: STUDENTS' SUPERVISION TO COMPLETION

PhD. Nil

M.SC Geography

Student	Title	Year
1. Suleiman Samaila:	Assessment of fertility regulation, accessibility and	2024

- Utilization among women of reproductive age group in Yamaltu Deba LGA
Gombe State, Nigeria. SPS/19/GEO/MS/0002, Completed.
2. Moses Jibrin: Comparative analysis of pipe-borne water and ground water quality in Gombe LGA, Gombe, Nigeria. SPS/23/GEO/MS/0002, Completed. 2025
 3. Shem Saleh Ibrahim: Assessment of household fuel wood energy demand and vegetation loss in Kaltungo LGA, Gombe, Nigeria. SPS/24/GEO/MS/0002. Ongoing 2025

M.SC Geography Theses Internally Examined

Student	Title	Year
1. Daniel Batari Kulani:	Assessment of the adaptation strategies of grain farmers to climate change in Akko LGA, Gombe State, Nigeria. SPS/20/GEO/MS/0006	2025
2. Shagbaor T. Abraham:	Morphometric analysis of gullies in Amiri Ukiriki watershed, Benue State, Nigeria. SPS/23/GEO/MS/0005	2025

Postgraduate Diploma

Student	Title	Year
Itse Atang:	Vegetation Cover Dynamics and Drivers in Jos East LGA, Plateau Nigeria. SPS/19/GEO/PGD/0002	2021
Benjamin Omeiza Israel:	Application of Geospatial Technique in Urban Crime Hotspot Analysis in Jos North, Plateau, Nigeria. SPS/19/GEO/PGD/0001	2021

B.SC

Student	Title	Year
Aisha Goji Babadisa:	An Assessment of Medical Waste Management Practice in Aminu Kano Teaching Hospital, Kano State. FUK/HMSS/12/GEO/1003	2015
Bome Simon:	An Assessment of the Performance of GOSEPA in Solid Waste Management in Gombe Metropolis. FUK/HMSS/12/GEO/1017	2015
Barde Salihu Abdullahi:	Impact of Informal Recycling Activities of Waste Scavenging in Gombe Metropolis. FUK/HMSS/12/GEO/1014	2015
Christopher Kuwah:	Assessment of the Effectiveness of Private Sector Participation	2015

	in Solid Waste Management in Gombe Metropolis. FUK/HMSS/12/GEO/1013	
Adamu Abubakar Kumo:	Effects of Soil Erosion on Land Use in Gombe Metropolis, Gombe State. FUK/HMSS/12B/GEO/1041	2016
Mohammed Adamu:	Assessment of Landuse/Landcover Changes and their implications on Rural livelihoods in Akko LGA, Gombe State. FUK/HMSS/12B/GEO/1049	2016
Nadabo Iliyasu:	Assessment of the Quality of domestic water supply in kashere, Akko LGA, Gombe State. FUK/HMSS/12B/GEO/1023	2016
Yakubu Elisha:	Assessment of Soil Degradation Under Different Landuses in Biu, Area, Borno State. FUK/HMSS/14/GEO/1057	2017
Stephen David:	Variation in the Concentration of Heavy Metals in the Dadin Kowa Dam, Gombe State. FUK/HMSS/13/GEO/1067	2017
Sadiq A. Zubairu:	Levels of Soil Degradation Under Different Landuses in Song LGA, Adamawa State. FUK/HMSS/14/GEO/1074	2017
Khalid Usamah Yusuf:	Assessment of Table Water Quality in Gombe Metropolis, Gombe State, Nigeria. FUKU/HMSS/15/GEO/0057	2019
Yau M Ibrahim:	Effects of Water Scarcity on the Livelihood of Rural Communities in Akko LGA, Gombe State. FUKU/HMSS/15/GEO/0027	2019
Victor Yohanna:	Analysis of Water Quality for Drinking in Bogoro LGA, Bauchi State, Nigeria. FUKU/HMSS/15/GEO/0017	2019
Saraya Luka:	Rural farmers Perception of Climate Change in Kaltungo LGA, Gombe State, Nigeria. FUKU/HMSS/16/GEO/0062	2020
Sajo Joseph	Assessment of Household Sanitation Practice in Balanga North Balanga L.G.A, Gombe State. NOU154646083	2020
Madonna A. Marcus	Assessment of Sanitary Conveniences in Selected Public Secondary School in Gombe Metropolis. NOU153702511	2021
Gbenga O. Stephen	Assessment of the Performance of Refuse Management Authority (LAWMA) in Solid Waste Management in Lagos Island. NOU167627049	2021

- Lilient O. Imatitiku Effectiveness of Healthcare Waste Management Practices in Eti-Osa 2022
LGA, Lagos State. NOU150380243
- Obajimi G. Anuoluwapo Problems and Prospect of Solid Waste Management in Shomolu 2023
LGA, Lagos, Nigeria. NOU15646230
- Rafat Jimoh Assessment of Informal Recycling Activities of Solid Waste in Lagos 2023
Mainland. NOU143517153

SECTION H: RESEARCH ACTIVITIES

Spatio-temporal changes in vegetation cover and rural livelihood in Akko LGA, Gombe, Nigeria

SECTION I: PUBLICATIONS

Articles/ Dissertations/Project Reports

- i. Comparative analyses of conventional and integrated acoustic echo sounding techniques in estimating lake sedimentation in the lower Usuma dam, Abuja, Nigeria. Ph.D Dissertation 2014.
- ii. An assessment of the level of sedimentation in the Galma reservoir, Zaria, Kaduna State. M.Sc. Thesis 2009.
- iii. The problems and prospects of solid waste management in Urban Zaria” B.Sc. Ed Final Year Project 2002.

Book Chapters

1. **Abu, R. D**, Abu, G. O, Gajere, E. N, Yahanna, V, Iduseri, E. O and Ishaku, D. (2022). Seasonal Variation of Physicochemical Parameters in Groundwater in Bogoro, Bauchi State, Nigeria. In Y. O. Yusuf, J. O. Folorunsho, M. A. Gada, R. D. Abu and T. Y. Rilwanu (Ed.). *Integrated Environmental Management Issues (A Festschrift in Honour of Professor Edwin Osawe Iguisi)*, pp.236-252. Zaria: Ahmadu Bello University Press Ltd. ISBN: 978.978.967.487.8
2. Agbebaku, H. U., Okha, E. S. and **Abu, R. D**. (2022). Perception of Residents on the Menace of Environmental Quality in the Benin Metropolitan Area of Edo State, Nigeria. In O. Ekanade, O. D. Ajewole, S. I. Ibrahim, O. S. Afolayan and B. S. Ajadi (Ed.). *Environmental Sustainability, Climate Change, and Challenges of Indigenous Knowledge Perception in 21st Century* (Festschrift in Honour of Professor Lanre Tajudeen Ajibade), pp.41-51. Ilorin: K-Success Print Media. ISBN: 978-978-57721-6-0

Articles in Learned Journals

3. Abu, G.O, **Abu, R.D.** and Bizi, H.L. (2025). Assessment of the Condition of Sanitary Conveniences in Selected Public Secondary Schools in Gombe Metropolis, Nigeria. *Jalingo Journal of Social and Management Sciences*, 6(4), 279-286. P-ISSN 2659-0131; e-ISSN 3026-9180. Online <https://oer.tsuniversity.edu.ng/index.php/jjsms>
4. **R. D. Abu**, G. O. Abu, H. U. Agbebaku, R. Jimoh and H. L. Bizi (2025). Challenges and Opportunities of Waste Pickers' Engagement in Informal Waste Recovery and Recycling Sectors in Lagos Mainland, Nigeria. *African Journal of Geographical Sciences (AJGS)*, 6(2),42-53.ISSN:2786-9741;EISSN:3043-6656.(online) <https://doi.org/10.5281/zenodo.15705179>
5. G. O. Abu, **R. D. Abu** and H. L. Bizi (2025). Application of CA- MARKOV Chain Model in Landuse/Land cover Projection in Southern Part of Gombe, Nigeria. *GEO-STUDIES FORUM-An International Journal of Environmental & Policy Issues*,11 (2),92–105. ISSN: 1596-4116 (online). <https://fssunilorinedu.org/geo-studies/index.php>
6. **R. D. Abu**, G. O. Abu, E. O. Iduseri, D. Gideon and G. S. Olaoye (2024). A Performance Assessment of the Lagos State Waste Management Authority (LAWMA) in Refuse Management in Lagos Island, Nigeria. *African Research Journal of the Environment (Arejoen)*, Vol. 7(2), 1-9. ISSN: Online – 2736-139X, Print – 2736 – 1403. Full text available online at <https://www.arejoen.com>
7. G. O. Abu, **R. D. Abu**, E. Englama, and H. U. Agbebaku (2024). Challenges and Opportunities in Municipal Solid Waste Management in Shomolu LGA, Lagos, Nigeria. *GEO-STUDIES FORUM-An International Journal of Environmental & Policy Issues*, 9(1), 53 – 7. ISSN: 1596-4116 (online). <https://fssunilorinedu.org/geo-studies/index.php>
8. Songu, G. A, **Abu, R. D.**, R. S. Thlakma and Maikano, E. T. (2023). An Assessment of Morphological Features of Dongol Stream in Kashere Watershed, Gombe State, Nigeria. *Fuwukari Journal of Social Science (FUWJSS)*, 2 (1),203-217.ISSN 1095-537X
9. H. U. Agbebaku, C. Asogwa, S. O. Afolayan, **R. D. Abu** and L. U. Nwaune (2023). Assessment of the Impact of Flared Gas and Oil Spilled on Human Health and Environmental Degradation: Evidence from the Niger Delta Region, Nigeria. *American Journal of Environmental Science and Engineering*, 7 (1), 5-16. ISSN 2578-7985(print), ISSN 2578-7993(online). <http://www.sciencepg.com/journal/ajese>

10. H. U. Agbebaku, **R. D. Abu** and S. O. Afolayan (2022). Assessment of Physicochemical and Bacteriological Parameters of Surface and Groundwater Sources in Apapa, Lagos, Nigeria. *Ife Research Publications in Geography*, 21 (1), 139 – 149. ISSN: 0795-073X eISSN: 2636-5243. Full-text Available Online at <https://irpg.oauife.edu.ng/index.php/irpg>

11. Agbebaku H. U, Afolayan O. S, Ojeifo M. O, Okhae E. S and **Abu R. D** (2022). An Assessment of the Variability of Household Income on Volume of Waste Materials Generated in Benin City, Edo State, Nigeria. *Nigerian Journal of Environmental Sciences and Technology (NIJEST)*, 6, (2), 506 – 518. ISSN (Print): 2734-259X | ISSN (electronic): 2734-2603. Full-text Available Online at <https://doi.org/10.36263/nijest.2022.02.0356> or www.nijest.com

12. **R. D. Abu**, G. O. Abu, E. N Gajere, E. O. Iduseri, M. O. Oke, G. A. Songu and J. Sajo (2021). Assessment of Water, Sanitation and Hygiene Practices of Households in Balanga North, Gombe, Nigeria. *Osun Geographical Review*, 4, 9-17, ISSN: 2695-1959. Full-text Available Online at <http://www.journals.uniosun.edu.ng>

13. G.O. Abu, **R.D. Abu**, I. Musa and A. Michael (2021). Normalized Difference Vegetation Index Analysis for Landcover Types in Southern Part of Gombe, Nigeria. *Gombe Journal of Geography and Environmental Studies*, 2 (1), 40-50. ISSN: 2714-3201. Full-text Available Online at <http://www.gojgesjournal.com>

14. Songu, G. A, **Abu, R. D**, Temwa, N. M, Yiye, S. T, Wahab, S and Mohammed, B. G. (2021) Analysis of Soil Erodibility Factor for Hydrologic Processes in Kereke Watershed, North Central Nigeria. *Journal of Applied Science and Environmental Management*, 25 (3), 427-430. ISSN 1119-8362. Full-text Available Online at <https://www.ajol.info/index.php/jasem>; <http://ww.bioline.org.br/ja>

15. **R. D. Abu**, E. Yakubu, G. A. Songu, R. S. Thlakma, G. O. Abu and E. N Gajere (2020) Impact of Landuse/landcover Dynamics On Vegetation Cover In Part Of Biu Plateau, Borno, Nigeria. *Ilorin Journal of Business and Social Sciences*, 22 (1), 155-166. ISSN 1115 – 960X.

16. R. S. Thlakma, A. S. Teryange, I. Ibrahim, **R. D. Abu** and A. M. Kamal (2020) Assessment of the Variation of Soil Physicochemical Properties on Different Landuse in Mbayegh District, Ushongo Local Government Area, Benue State, Nigeria. *Gombe Journal of Geography and Environmental Studies*, 1(3), 526-538. ISSN: 2714-3201. Full-text Available Online at <http://www.gojgesjournal.com>

17. **R. D. Abu**, E. Yakubu , G. O. Abu and H. U. Agbebaku (2019). Assessment of Changes in Soil Properties under Different Land uses in Part of Biu Plateau, Borno, Nigeria. *Osun Geographical Review*, 2 (1), 1-8. ISSN: 2695-1959. Full-text Available Online at <http://www.journals.uniosun.edu.ng>

18. **R. D. Abu.**, G. U. O. Michael and H. U. Agbebaku (2019) An Assessment of Physico-chemical Properties of Drinking Water Sources in Kashere, Gombe State. *Bima Journal of Science and Technology*, 3 (1), 140-147. ISSN: 2536-6041. Full-text Available Online at <http://bimajstgsu.org.ng>; <https://doi.org/10.56892/bimajst.v3i01.113>

19. G. O. Abu and **R. D. Abu** (2019) Women Involvement in Environmental Sanitation in Gombe Metropolis. *Kaduna Journal of Geography*, 2 (1), 43-52. ISSN 2636-5308.

20. **R. D. Abu** and G. U. Michael (2018) Impact of Informal Sector Recycling Activities of Waste Scavenging in Gombe Metropolis. *Bima Journal of Science and Technology*, 2 (1), 200-210. ISSN: 2536-6041. Full-text Available Online at <http://bimajstgsu.org.ng>; <https://doi.org/10.56892/bimajst.v2i01.67>

21. **R. D. Abu**, G. O. Abu and L. A. Mbaya (2018) Land use Change and Rural Livelihood in Changing Climate in Semi-arid Akko, Gombe, Nigeria. *Kashere Journal Humanities Management and Social Science*, 2 (1), 145-156. ISSN: 2315-9758.

22. **R. D. Abu** (2017) Assessment of Bathymetric Changes in the Lower Usuma Dam, Abuja Nigeria. *Nigerian Journal of Hydrological Sciences*, 5 (1), 52-61. ISSN: 2315-6686.

23. **Abu, Rayleigh Dada.**, Maren Stephen., Englama Esther (2013) Evaluation of the Effectiveness of Household Environmental Sanitation in Kubwa Satellite Town, Abuja, Nigeria. *Journal of Geography, Environment and Planning*, 9 (2), 1-9. ISSN: 1595-4373.

24. **Abu, R. D.** (2012) Effects of Landuse Changes on the Sedimentation Rate in the Galma Reservoir in Northern Nigeria. *Nigerian Journal of Hydrological Sciences*, 1 (1), 18-28. ISSN: 2315-6686.

Published Commissioned Works

1. Course Guide on EMT 511(2021). Ecological Disasters and Control (3 Credit Units) for the Department of Environmental Science for the University's B.Sc. honours degree programme in Environmental Management and Toxicology. Published by the National Open University of Nigeria (NOUN) Press. ISBN: 978-978-058-091-9. URL: www.nou.edu.ng

Editorial Works

1. Member Editorial Board, Integrated Environmental Management Issues (2022). A *Festschrift in Honour of Professor Edwin Osawe Iguisi*. Edited by Y. O. Yusuf, J. O. Folorunsho, M. A. Gada, **R. D. Abu** and T. Y. Rilwanu. Zaria: Ahmadu Bello University Press Ltd. ISBN: 978.978.967.487.8
2. Review Editor, Sahel Journal of Geography, Environment and Development. Department of Geography, Federal University Birnin Kebbi. 2021.
3. Review Editor, Sahel Journal of Geography, Environment and Development. Department of Geography, Federal University Birnin Kebbi. 2022.
4. Review Editor, Gombe Journal of Geography and Environmental Studies. Department of Geography, Gombe State University. 2020.
5. Review Editor, Gombe Journal of Geography and Environmental Studies. Department of Geography, Gombe State University. 2021.
6. Review Editor, Gombe Journal of Geography and Environmental Studies. Department of Geography, Gombe State University. 2022.
7. Article Reviewer, GEOSTUDIES FORUM-International Journal of Environmental and Policy Issues. Department of Geography and Environmental Management, University of Ilorin. 2024-2026.
8. Appointment as Review Editor, National Open University of Nigeria for ESM 809 Course Material

Peer Reviewed Conference Proceedings Papers

1. **R. D. Abu**, G. O. Abu, E. N Gajere, E. O. Iduseri and M. O. Oke (2021). Knowledge, Attitude, and Practice of Water, Sanitation and Hygiene by Households in Balanga North, Gombe, Nigeria. In E. B. Eze, P. A. Essoka, J. Effiong, R. Antigha, M. Abua and D. I. Eni (Ed.). *Hydrology and Sanitation in a Changing Environment*. Edited Conference Proceedings of the 11th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS 2021), University of Calabar, 9th-12th August, 2021.
2. **R. D. Abu**, E. Yakubu, G. A. Songu, R. S. Thlakma, G. O. Abu and E. N Gajere (2019). Dynamics of Landuse/Landcover on Vegetation Cover in Part of Biu Plateau, Borno, Nigeria. In M.A. Iliya, I. A. Adamu, S. D. Abubakar, I. M. Dankani, M. A. Gada and N. Bello (Ed.). *Water Security, Society and Partnership for Sustainable Development*. Edited Conference Proceedings of the 10th Annual Conference of the Nigeria Association of Hydrological Sciences (Sokoto 2019), Usmanu Danfodiyo University, Sokoto 21st -24th October, 2019.
3. G.A. Songu, M. Ocheri and **R.D. Abu** (2019). Morphometric Analysis of the Kereke Drainage Basin and its Implication on Hydrologic Processes. In M.A. Iliya, I. A. Adamu, S. D. Abubakar, I. M. Dankani, M. A. Gada and N. Bello (Ed.). *Water Security, Society and Partnership for Sustainable Development*. Edited Conference Proceedings of the 10th Annual Conference of the Nigeria Association of Hydrological Sciences (Sokoto 2019), Usmanu Danfodiyo University, Sokoto 21st -24th October, 2019.
4. Ishaku Deborah, James Theophilus and **Rayleigh Abu Dada** (2019). Impact of Surface Water Quality on Produce and Soil of Kwadom Irrigation Farm in Yamaltu-Deba LGA, Gombe State. In M.A. Iliya, I. A. Adamu, S. D. Abubakar, I. M. Dankani, M. A. Gada and N. Bello (Ed.). *Water Security, Society and Partnership for Sustainable Development*. Edited Conference Proceedings of the 10th Annual Conference of the Nigeria Association of Hydrological Sciences (Sokoto 2019), Usmanu Danfodiyo University, Sokoto 21st -24th October, 2019.
5. G.O. Abu, **R. D. Abu** and L.A. Mbaya (2018). Land use Change and Rural Livelihood in Changing Climate in Semi-arid Akko, Gombe, Nigeria. In J. O. Ehiorobo, A. I. Agbonaye, C. N. Emeribe and O. C. Izinyon (Ed.). *Water, Energy, Food and Environment (WEFE) Linkages*. Edited Conference Proceedings of the 9th Annual Conference of the Nigeria Association of Hydrological Sciences (EDO 2018), University of Benin, Benin City, 9th-12th October, 2018.
6. **R. D. Abu** and G.U.O. Michael (2017). Analysis of Physico-chemical Properties in the Drinking Water Sources of Kashere, Gombe, Nigeria. In H. K. Ayuba, K. O. Iwugo, A. Dami and N. M. Idris (Ed.). *Hydrology and Water Resources Development in Nigeria*. Edited Conference Proceedings of the 8th International Conference of the Nigeria Association of Hydrological Sciences (Abuja 2017), University of Abuja, 17th-20th October, 2017.

7. **R.D. Abu** and G.U.O. Michael (2015). Comparison of Conventional and Acoustic Echo-Sounding Techniques in Estimating Reservoir Siltation in the Lower Usuma dam, Abuja, Nigeria. 17th International conference on water resources and wetlands (ICWRW 2015) Crowne Plaza Hotel, Dubai-Deira UAE, 24-25 November, 2015.
8. **R.D Abu**, B.S. Ayeni, H. A. Shaba, G.O. Michael and A. Y. Ali (2014). Landcover Change Detection and Sediment regimes of Large Dams in a Climate Change, North-Central Nigeria. In B. T. Tyubee, M. I. Ocheri and J. O. Mage (Ed.). *Climate Change and Sustainable Economic Development*. Edited Conference Proceedings of the 2014 International Conference and 28th Annual General Meeting (AGM) of Nigerian Meteorological Society (NmetS), Benue State University, Makurdi, Nigeria, 9th-12th November, 2014.
9. **R.D. Abu**, A.S. Halilu and E.O. Iguisi (2013). Change Detection in the River Usuma Catchment and its Impact on the Sedimentation Rate of the Lower Usuma Dam, Abuja, Nigeria. In C. C. Mbajiorgu, M. C. Obeta and C. N. Anyawu (Ed.). *Water Resources and National Development*. Edited Conference Proceedings of the 5th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS 2013), University of Nigeria Nsukka, 21st-24th October, 2013.
10. **R.D. Abu**, A.S. Halilu and E.O. Iguisi (2013). Bathymetric changes in the Lower Usuma Dam, Abuja Nigeria. In C. C. Mbajiorgu, M. C. Obeta and C. N. Anyawu (Ed.). *Water Resources and National Development*. Edited Conference Proceedings of the 5th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS 2013), University of Nigeria Nsukka, 21st-24th October, 2013.
11. **R.D. Abu** (2012). Water Resource Management in the Context of Global Climate Change: Application of Conventional Hydrographic Survey in Monitoring Sedimentation in the Lower Usuma Dam, Abuja. In P. A. O. Odjugo, M. O. Asikhia and O. O. Ikelegbe (Ed.). *Climate Change and Variability: Saving our Tomorrow Today*. Edited Conference Proceedings of the 2012 Annual Conference of the Nigerian Meteorological Society (Nmets), University of Benin, Benin City, Edo State, Nigeria, 5th-9th November, 2012.
12. **R.D. Abu** (2011). Climate change impact on the sedimentation fluxes of public water supply infrastructure. In E. O. Iguisi, O. F. Ati, R. O. Yusuf and A. E. Ubogu (Ed.). *Climate Change Impacts: Risks and Opportunities*. Edited Conference Proceedings of the 2011 International Conference of the Nigerian Meteorological Society (Nmets Zaria 2011), Ahmadu Bello University, Zaria, Kaduna state, Nigeria, 13th-17th November, 2011.

SECTION J: CONFERENCES/WORKSHOPS ATTENDED WITH DATES

1. Training Workshop on Biorisk Management Awareness Organized by BEP, Health Security Partners, USA and Gombe State University, Gombe, Nigeria, 8th -9th July, 2024.
2. 11th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS 2021), University of Calabar, Calabar 9th-12th August, 2021.
3. Training on Climate Smart Agriculture for Farmers Selected in Gombe State Organized by National Agency for The Great Green Wall, Modern Women Development Centre, Gombe, 24th-2th February, 2020.
4. 10th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS 2019), Usmanu Danfodiyo University, Sokoto 21st -24th October, 2019.
5. 9th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS 2018), University of Benin, Benin City, 9th -12th October, 2018.
6. 8th International Conference of the Nigerian Association of Hydrological Sciences (NAHS 2017), Holding at University of Abuja, 17th-20th October, 2017.
7. 58th Annual Conference of the Association of Nigerian Geographers, Department of Geography, Nasarawa State University Keffi, Nasarawa State, 12th - 17th March, 2017.
8. Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI), Digital Bridge Institute, Federal University of Kashere, Gombe State, 15-19 August, 2016.
9. Basic Environmental Management Course Organized by National Environmental Standards and Regulations Enforcement Agency (nesrea), Nesrea Headquarters Abuja, Nigeria, 22th-26th June, 2015.
10. Training Workshop on Climate Information for Adaptation and Policy Development Organized by WASCAL GRP-WACS, Department of Meteorology & Climate Science, Federal University of Technology, Akure, Nigeria, 13th -18th September, 2015.
11. 57th Annual Conference of the Association of Nigerian Geographers, University of Lagos, Akoka-Yaba, Lagos State, 10th - 15th April, 2016.
12. 17th International Conference on Water Resources and Wetlands (ICWRW 2015), Crown Plaza Hotel Deira, Dubai, UAE, 24-25 November, 2015.

13. 2014 International Conference and 28th Annual General Meeting (AGM) of Nigerian Meteorological Society (NmetS), Benue State University, Makurdi, Nigeria, 9th-12th November, 2014.
14. 2014 National Conference on Disaster Risk Management: How Prepared is Nigeria?" Solarin University of Education, Ijagun, Ijebu Ode, Ogun State, 2nd – 5th March, 2014.
15. 2013 International Conference and 27th Annual General Meeting (AGM) of Nigerian Meteorological Society (NmetS), Reiz Continental Hotel, Abuja, Nigeria, 1st – 4th December, 2013.
16. 5th Annual Conference of the Nigeria Association of Hydrological Sciences (NAHS), University of Nigeria Nsukka, 21st-24th October, 2013.
17. 54th Annual Conference of the Association of Nigerian Geographers (ANG), Department of Geography, Kano University of Science and Technology, Wudil, Kano State, Nigeria, 19th -23th November, 2012.
18. 2012 Annual Conference and 26th Annual General Meeting (AGM) of the Nigerian Meteorological Society (NMetS), University of Benin, Benin City, Edo State, Nigeria, 5th-9th November, 2012.
19. 2011 Annual Conference of the Nigerian Meteorological Society (NMetS Zaria 2011), Ahmadu Bello University, Zaria, Kaduna state, Nigeria, 13th-17th November, 2011.
20. 3rd Annual Conference of the Nigerian Association of Hydrological Sciences (NAHS), Top View Hotel, Wuse Zone 5, Abuja, 18th -21st October, 2011.

SECTION K: PUBLIC AND COMMUNITY SERVICE

Within the University

1. Staff Adviser National Association of Geography Students (NAGS), FUK Chapter, 2013-2016.
2. Patron, Federation of Catholic Student (NFCS), FUK Chapter, 2014 –Date
3. Facilitated collaboration between National Space Research and Development Agency and Federal University Kashere, 2016.

4. Facilitated collaboration between Nigerian Meteorological Agency (NiMet) and Federal University Kashere that resulted to the donation and installation of automated weather station, 2017.
5. Facilitated collaboration between Nigeria Hydrological Services Agency (NIHSA) and Federal University of Kashere, 2019.
6. Served in the 2019 General Election as State Assembly Returning Officer at Kaltungo Local Government Area of Gombe State.

Outside the University

7. Book Reviewer at a Public Presentation and Launching of a book titled “The Most of Time and Wealth By Adoga Eje Friday, 28th August, 2014 held at Nana Aisha Memorial Islamiyya Primary and Secondary School, Buba Shongo, Gombe State.
8. Chairman, FRSC Gombe State Technical committee set up by FRSC Nationwide for 2014 Annual Rating of States for entrenching Road Safety and Traffic Administration.
9. Elected into the Executive Council of Nigerian Meteorological Society (NmetS) as Publicity/Social Secretary, First Tenure, 2014 -2016.
10. Elected into the Executive Council of Nigerian Meteorological Society (NmetS) as Publicity/Social Secretary, Second Tenure, 2016 – 2018.
11. Appointed Member Board of Patron, National Association of Catholic Corps Member Gombe State Chapter, 2017.
12. Appointment as Parish Council Chairman, St. Theresa’ Catholic Church Tunfure, Gombe State, 2018-2022.

13. Appointment as resource person for course material development on EMT 511: Ecological disasters and control. National Open university of Nigeria, Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja, 2018.
14. Appointment as External Examiner, Faculty of science Department of Environmental science. National Open university of Nigeria, Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja, 2018.
15. Elected into the Executive Council of Nigeria Association of Hydrological Sciences (NAHS) as Publicity Secretary, First Tenure, 2018-2020.
16. Elected into the Executive Council of Nigeria Association of Hydrological Sciences (NAHS) as Publicity Secretary, Second Tenure, 2021-2023.
17. Appointment as Chairman, Budget and Planning Committee, St. Theresa' Catholic Church Tunfure, Gombe State, 2019-2022
18. Member, Editorial team on a book titled "integrated environmental management issues", Festschrift in Honour of Professor Edwin Osawe Iguisi, 2022.
19. Appointment as resource person for course material development on ESM 814: Ecological Disasters, Restoration and control and ESM 712: Ecological Disasters and control. National Open university of Nigeria, Plot 91, Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja, 2024.

SECTION L: AWARDS AND HONOURS

1. Federal University of Kashere Senate Letter of Commendation for facilitating collaboration between Nigeria Hydrological Services Agency and Federal University of Kashere that resulted into the final signing of MoU on 12th February, 2020.
2. Certificate of Recognition and Appreciation by International Scientific Research and Experimental Development as session chair in oral and technical presentation and research contributions to ICWRW 2015 Dubai, UAE, 2015.
3. Vice Chancellors' Congratulatory letter on conference participation and election into the Executive Council of Nigerian Meteorological Society (NmetS), 2014.

SECTION M: NAMES AND ADDRESS OF REFEREES

Prof. E. O. Iguisi
Coordinator, Centre for Climate Change
Ahmadu Bello University, Zaria

Dr. Halilu Ahmad Shaba
Director General/CEO
National Space Research and Development Agency, Abuja

Prof. P. A. O. Odjugo
Department of Geography and Regional Planning
University of Benin, Benin City