

Zamfara International Journal of Education (ZIJE)
The Official Journal of the Faculty of Education
Federal University Gusau, Zamfara State, Nigeria
Volume 5, Number 6, December, 2025
pISSN: (Hard Copy): 2814 – 1377; eISSN (Online): 2814 – 1369



www.foefugusau.com.ng

DOI: <https://doi.org/10.64348/zije.2025237>

ZAMFARA INTERNATIONAL JOURNAL OF EDUCATION (ZIJE)



A PUBLICATION OF THE FACULTY OF EDUCATION,
FEDERAL UNIVERSITY GUSAU, ZAMFARA STATE, NIGERIA
VOLUME 5, NUMBER 5, OCTOBER, 2025
pISSN: 2814-1377, eISSN: 2814-1369

INDEXED IN:

OpenAIRE

The Official Indexing Partner of the European Commission (EU),

Google Scholar

<https://doi.org/10.64348/zije.2025238>

Website: www.foefugusau.com.ng,

E-mail: zijefugusau@gmail.com



EDITORIAL BOARD MEMBERS

Editor-In-Chief/chairman	Dr. Umar Sodangi
Editorial Board	Dean, Faculty of Education, Federal University Gusau
Associate Editor	Prof. Bashir Suleiman
	Department of Science Education, Federal University Gusau
Publication Editor	Prof. Abubakar Sadiq Haruna
	Department of Educational Foundations, Federal University Gusau
Assistant Publication Editor	Dr. Yakubu A. Abdullahi
	Department of Science Education, Federal University Gusau
Editor	Professor Amos Shaibu
	Department of Science Education, Federal University Gusau
Editor	Professor Abubakar A. Bagudo
	Department of Education & Extension Services, Usmanu Danfodiyo University, Sokoto
Editor	Dr. Sheu Adaramaja Lukman
	Department of Educational Foundations, Federal University Gusau
Editor	Dr. Nuhu Ishaq Lawal
	Department of Science Education, Federal University Gusau
Secretary, Editorial Board	Yahaya Abdulkadir
	Faculty Officer, Faculty of Education, Federal University Gusau

CONSULTING EDITORS

Professor A. A. Salawu	Usmanu Danfodiyo University, Sokoto
Professor Victor O. Awonusi	University of Lagos, Lagos State
Professor A. K. Tukur	Usmanu Danfodiyo University, Sokoto
Professor A. M. Atadoga	Ahmadu Bello University, Zaria, Kaduna State
Professor K. O. Usman	University of Nigeria, Nsukka, Enugu State
Professor Henry Owolabi	University of Ilorin, Ilorin Kwara State
Professor Muhammad Abdullahi	Bayero University Kano
Professor Yusuf A. Maigida	University of Port Harcourt
Professor Auwal M. Lawal	Bayero University Kano
Professor Sani Ibrahim	Ahmadu Bello University, Zaria, Kaduna State
Professor M. S. Magaji	Maryam Abacha American University of Nigeria, Maradi



EDITORIAL NOTE

Zamfara International Journal of Education (ZIJE) is the official Journal of the Faculty of Education, Federal University Gusau Zamfara State, Nigeria. The Journal publishes articles of diverse fields of interest in Education. Papers reporting original research and extended version of already established conference and journal articles are welcomed. Papers for publication are selected through peer review process to ensure originality, relevance and readability.

The aim and scope of the journal is to provide an academic medium and an important reference for the advancement and dissemination of information that supports high level learning, teaching and research in the fields of Education.

This edition, Volume 5, Number 6, December, 2025 is poised to present research reports in the following fields of education: Educational Foundations, Science Education, Educational Psychology, Curriculum & Instructional Technology, Guidance & Counselling, Philosophy & History of Education, Sociology of Education, Entrepreneurship education, Special and inclusive Education, Physical & Health Education Religious Education, Gender Studies, Peace & Security Education among Others. The articles in this volume are academic and professional discourse written by reputable scholars in their areas of specialization.

The Board wish to also acknowledge the efforts of the editorial members, for their ceaseless support towards successful publication of the journal. In the same vein, we acknowledge quite sincerely the assistance and support of our esteemed consulting editors for ensuring the credibility of this edition. Also, worthy of appreciation are the Authors and their immense contributions to this publication.

Dr. Umar Sodangi

Editor-in-Chief/ Chairman Editorial Board

Dean, Faculty of Education, Federal University Gusau



CALL FOR ARTICLES

The Zamfara International Journal of Education (ZIJE) calls for scholarly articles for review and possible publication in its next edition (Volume 6, Number 1, February, 2026), ZIJE publishes articles that emphasizes on research development and application within the fields of Education. All manuscripts are reviewed by editorial review committee. Contributions must be original, not previously or simultaneously published elsewhere, and are critically reviewed before they are published. Papers, which must be written in English language, should have good grammar and proper terminologies. Hence, prospective articles are subjected to plagiarism assessment test to estimate the percentage of originality of the papers. Hence, Plagiarism threshold of $\leq 20\%$ is recommended.

EDITORIAL GUIDELINES

1. Manuscripts including references, appendices, tables and diagrams should be double-spaced and single coded on A4 paper with generous margins (at least $\frac{1}{2}$.5cm).
2. Title should be explicit and not more than 19 words.
3. Title page should be arranged as follows: Title, Author (s) full name, affiliation, full addresses, email addresses and phone numbers.
4. Abstract should be single line and not more than 250 words.
5. For conceptual papers, the body should have appropriate headings were necessary
6. For empirical papers, it should be presented in the following order; Introduction, Objectives of the study, Research questions and/or Hypothesis, Methodology, Results, Discussion of Findings, Conclusion and Recommendations.
7. Acknowledgement (if any)
8. Quotations of more than 40 words should be indented and typed single spacing with indication of the pages where the quotes were lifted
9. In-text citations should follow APA 7th edition format
10. References should be in range with 7th edition of APA style
11. Each table and figures should be presented within the manuscripts, with a brief and self-explanatory title
12. All text within the table should be clearly eligible, and all graphics and legends should be easily distinguished when printed in black and white
13. Tables should be in in horizontal line only, with only blank space to separate column
14. Tables and figures that may be included in the main text of the paper should be numbered separately, in the sequence that they are mentioned in the text.
15. Figures should be saved in a neutral data format such as JPEG, TIFF OR EPS.

SUBMISSION OF MANUSCRIPTS & ASSESSMENT FEE

Manuscripts for Volume 6. Number 1, with an evidence of a non-refundable assessment fee of five thousand Naira (N5000:00) only per manuscript should be forwarded electronically to the Editor-In-Chief or Publication Editor via; zijefugusau@gmail.com on or before February 14th, 2026. Furthermore, upon acceptance of manuscript for publication a non-refundable publication fee of Thirty Thousand Naira (N30,000:00) will be required for online (e-Book) version only, while Thirty-Five Thousand Naira (35,000:00) only for both online (e-Book) and hard copy versions per manuscripts submission, respectively.

Professor Abubakar Sadiq Haruna

Publication Editor



TABLE OF CONTENTS

S/N	Authors, Paper Title and DOI Index	Pages
1	ISIAQ, Abdulmuhit Temitope & ABDULLAHI, Muhammed Bello (2025): Assessment of Health-Seeking Behavior on Maternal and Child Health among Nursing Mothers in Public Primary Health Care Centres in Kwara State, Nigeria https://doi.org/10.64348/zije.2025213	1-6
2	ZUBAIRU, Zainab (2025): Effect of Flipped Classroom Instructional Strategy on Performance in Biology concepts among Secondary School Students in Kaduna Metropolis, Kaduna State, Nigeria https://doi.org/10.64348/zije.2025214	7-15
3	HARUNA, Auwalu., ALHASSAN, Isa D., YAKUBU, Lawan., AHMAD, Manko Umar. & GURJIYA, Sahabi Ibrahim (2025): Exploring the Potential of Artificial Intelligence Tools in Teaching and Learning: Mathematics Education Considerations https://doi.org/10.64348/zije.2025215	16-21
4	RAPHAEL, Sunday Umoru., EJEH, Anne Eddy, & UGBABE, Alice Onyumoyil (2025): Analyzing Malnutrition as a Leading Cause of High Diabetic Mortality Rates in Otukpo Local Government Area of Benue State, Nigeria https://doi.org/10.64348/zije.2025216	22-27
5	MUHAMMAD, Khadijah Bala & JOHN, Kintu (2025): Morphological Productivity and Borrowing in Nigerian English: A Corpus-Based Study https://doi.org/10.64348/zije.2025217	28-35
6	BELLO, Miswaru & HARUNA, Auwalu (2025): Developing Entrepreneurship Skills for Self-Reliance among Tertiary Institution Graduates in Kano State, Nigeria https://doi.org/10.64348/zije.2025218	36-44
7	GALTI, Alhaji Malah. & MUSTAPHA, Ahmed Baba (2025): Qualitative Study on Narrative and Parenthetical Context-Based Multiple In-text References: A Systematic Review of In-text Citations https://doi.org/10.64348/zije.2025219	45-50
8	AKANBI, Grace Oluremilekun (2025): Assessment of 9-3-4 policy implementation and students' enrolment in technical Colleges in Oyo State, Nigeria https://doi.org/10.64348/zije.2025220	51-58
9	UMAR, Muhammad Musa (2025): Assessment of Covert Phone Checking Behavior on Marital Health among Adult Education Married Students in Kano Metropolis, Kano State, Nigeria https://doi.org/10.64348/zije.2025221	59-65
10	AMUSA, Jamiu Oluwadamilare., OLATUNJI, Sherif Olamide & OGUNJOUN, Barakat Olabisi (2025): Reimagining STEM Education in Indigenous Languages: Are Secondary School Physics Teachers Ready? https://doi.org/10.64348/zije.2025222	66-74
11	YAHAYA, Saudatu & ADAMU, Hauwa (2025): Effect of Think-Pair-Share Instructional Strategy on Performance in Hausa Language Concepts among Senior Secondary School Students in Kaduna State, Nigeria https://doi.org/10.64348/zije.2025223	75-81
12	IBRAHIM, Wahab Adegbayi., OKUNNUWA, Sunday Johnson, & OLANIYAN, Aanuoluwapo Segun (2025): Assessment of Artificial Intelligence and Film-Based Media integration in Innovative Language teaching among Secondary School Teachers in Okitipupa Metropolis https://doi.org/10.64348/zije.2025224	82-89
13	AIMASIKO, Omobolaji Ganiyu & SALAKO, Janet Adenike (2025): Assessment of Language Testing on Language Development among Pupils in Ibadan South-West Local Government Area of Oyo State, Nigeria https://doi.org/10.64348/zije.2025225	90-94
14	AKINSULIRE, Yewande Precious., BASSEY, Martha Arit., ILESANMI, Yemisi Omolola, & ADENO, Samuel Obidu (2025): Qualitative Study on Integrating Artificial Intelligence Technology into Language Teaching and Learning in Nigeria https://doi.org/10.64348/zije.2025226	95-101
15	BAMIDELE, Samuel Femi., ALI, Duze Daniel & ADEBAYO, Esther Ohunene (2025): Effect of Digital Games on Achievement in English Language Vocabulary among Junior Secondary School Students in Lokoja Education Zone of Kogi State https://doi.org/10.64348/zije.2025227	102-108



16	LADAN, Usman., WALI, Bawa Abubakar & ISHAQ, Lawal Nuhu (2025): Access, Equity and Quality of Vocational and Entrepreneurial Education in the Face of Insecurity in Nigeria https://doi.org/10.64348/zije.2025228	109-114
17	ABDULSALAM, Oladimeji Sholagberu., KAYODE, Sadiq Toyin., HAMMAD, Basirat. & YAKUBU, Ibrahim Toyin (2025): Impact of Vigilante Service Group on Crime Control for Sustainable Development in Ilorin West Local Government Area of Kwara State, Nigeria https://doi.org/10.64348/zije.2025229	115-120
18	FATUSI, Omobolanle Arike (2025): Comparative Analysis between Textbooks Availability and Utilisation on Achievement in Chemistry among Secondary School Students in Abuja Municipal Area Council, Abuja, Nigeria https://doi.org/10.64348/zije.2025230	121-126
19	UMORU, Raphael Sunday & FRANCIS, Adidu Simon (2025): Influence of Pre-marital Sex on Academic Performance among Public Secondary School Female Students in Otukpo Local Government Area of Benue State, Nigeria. https://doi.org/10.64348/zije.2025231	127-134
20	EZE, Glory Ngozi (2025): Assessment of Competency Improvement Needs in Teaching and Learning of Laboratory Technique Concept among Secondary School Chemistry Teachers in South East, Nigeria https://doi.org/10.64348/zije.2025232	135-141
21	SALISU, Zainab Ibrahim., OMONIWA, Oluwatope Olubunmi & WILLIAMS, Felicia (2025): Assessment of Parental Support, Supervision and Encouragement on Performance in Biology among Secondary School Students in Sabon Gari, Kaduna State, Nigeria https://doi.org/10.64348/zije.2025233	142-147
22	ZAYYANU, Altine (2025): Evaluation of Availability and Adequacy of Instructional Materials for Economics Teaching and Learning among Secondary Schools in North West, Nigeria https://doi.org/10.64348/zije.2025234	148-157
23	ADEDIRAN, Toluwalope Damilola & OKE, Afeez Adeshina (2025): Design, Development and Evaluation of web-based Virtual Laboratory for Integrated Science Education Program among Selected Colleges of Educations in Osun State, Nigeria https://doi.org/10.64348/zije.2025235	158-166
24	LINUS, Hauwa Thilza., OKWUJIAKO, Richard Ugwuandu., ABUBAKAR, Hauwa Umaru, & MOHAMMED, Abel Ali (2025): Effects of Indoor and Outdoor Learning Strategies on Performance and Retention in Biology Concepts among Secondary School Students in Adamawa State, Nigeria https://doi.org/10.64348/zije.2025236	167-174