ASSEREN Journal of Educational Research and Development (AJERD)

VOLUME 10, SEPTEMBER 2023

ISSN: 2536-6899 E – ISSN: 2814 – 3248 Website: www.theasseren.org.ng

A PUBLICATION OF THE ASSOCIATION OF EDUCATIONAL RESEARCHERS AND EVALUATORS OF NIGERIA (ASSEREN)

Affiliated to the Society of African Journal Editors (SAJE)

EDITORIAL BOARD

Editor-in-Chief	-	Professor A.O.U. Onuka
		Institute of Education, University of Ibadan, Nigeria.
Deputy Editor-in-Chief	-	Professor Monica N. Odinko
		Institute of Education, University of Ibadan, Nigeria.
Associate Editor	-	Sunday N. Okocha
		Institute of Education, University of Ibadan, Nigeria.
Members	-	D.O.K. Omole, Ph.D, NERDC, Abuja, Nigeria.
		Professor Abbas Mustapha Yusuf, University of Jos
		Professor J.N. Odili, Delsu, Abraka, Nigeria.
Editorial Assistants:	-	Esther O. Durowoju, Ph.D
		S.O. Alieme, Ph.D
		A.T Onabamiro, Ph.D

Editorial Advisers

- 1. Emeritus Prof. PAI Obanya, University of Ibadan, Nigeria.
- 2. Professor Adenike Emeke, University of Ibadan, Nigeria.
- 3. Professor E.R.I, Afolabi, OAU, Ile-Ife, Nigeria.
- 5. Professor O.A.Afemikhe University of Benin, Nigeria.
- 6. Professor Francis O. Egbokhare, University of Ibadan, Nigeria.
- 6. Professor YKA Etsey, University of Cape Coast, Cape Coast, Ghana
- 7. Professor Jonathan Fletcher, University of Ghana, Legon, Ghana
- 8. Professor R.P.I. Ukwuije, University of Port Harcourt, Nigeria.
- 11. Prof. Federick Bakkabulindi, Makarere University, Kampala Uganda.
- 12. Dr. Paul Kobbira Effrim, University of Education, Winneba, Ghana.

EDITORIAL STATEMENT

ASSEREN Journal of Educational Research and Development (AJERD) is an off shoot from the umbrella body Association of Educational Researchers and Evaluators of Nigeria. AJERD publication is done annually. This volume is a collection of papers presented at the 24th Annual conference of Association of Educational Researchers and Evaluators of Nigeria (ASSEREN) on 'Evaluation for Quality Education and Human Capital Development' held at Nigerian Army College of Education, Sobi Cantonment, Ilorin, Kwara State from 24th - 29th July, 2022.

ASSEREN Journal of Educational Research and Development (AJERD) is an international journal. Authors should bear this in mind when setting the content of their paper and offering interpretations of data. Contributors should strive to ensure that the content of the paper is clearly discussed and should be in line with title. They should also endeavour to bring to fore the variables of concern in the work and show how they are linked to the major theme of the work. Papers which dwell on the themes of each year's conference should be given priority during peer review of the papers submitted by contributors. Contributors should attempt to situate their research within contemporary issues and the growing international body of literature.

Names of The Executive

President: Dr. Chinyere Ihekwoaba Vice President: Prof. Yusuf Abas Mustapha General Secretary: Lt. Dr. Mathew Joseph Hamman Assit. General Secretary: Dr. Abdulahi A. Daninna. Treasurer: Dr. H. A. E. Amakiri Financial Secretary: Dr. Christianah Agi Public Relations Officer: Dr. Richard Iheanyichukwu Ogunka Chief Editor: Prof. Adams Otuoze Umoru Onuka Ex-Officio: Prof. Henry Olumuyiwa Owolabi Association of Educational Researchers and Evaluators of Nigeria (ASSEREN)

Guidelines for Preparation and Submission of Manuscripts to ASSEREN

- 1. Journal of Association of Evaluators and Researchers of Nigeria (ASSEREN) is an international peer-reviewed journal published in English, in July and December every year. ASSEREN provides an international platform for the African community of higher education for sharing research ideas, information and experience, as well as ideas about the role of higher education in society today. The journal is published under the auspices of ASSEREN. The journal publishes contributions of research articles on any aspect of education.
- 2. Manuscripts should be original, clearly and precisely presented in English. Authors should submit their manuscripts electronically. (preferably double space and saved in Word Document format)
- 3. Each submission should not be longer than 6000 words (15 printed pages) in total, including title, author(s) information, tables, figures, and references. Each article should be accompanied by an abstract of approximately 200 words typed on a separate sheet.
- 4. Preparation of Manuscript: ASSEREN adheres to a rigorous double-blind review policy in which the identity of both the reviewer and author are always concealed from both parties. All manuscripts are reviewed initially by the editorial board and only those papers that meet the scientific and editorial standards of the journal, and fit within the aims and scope of the journal, will be sent for outside review.

Contributions are considered for publication only on the understanding that they are not simultaneously under consideration elsewhere in English, that they are the original work of the author(s), and that any previous form of publication and any current consideration in other languages are disclosed. Please note that author whose articles are published in the Journal have agreed to assign copyright to ASSEREN.

Submission Preparation Checklist

As part of the submission process, authors are required to check of their submission's compliance with all the following items and submission may be returned to authors that do not adhere to these guidelines:

- A. The submission has not been previously published, nor is it under consideration by another journal.
- B. The submission is written in English without technical terms and jargon.
- C. Cover sheet should contain title, full name, institution, address, phone and fax numbers and e-mail address.
- D. Text should be typewritten on one side of A4 papers with 30mm margins. Each typewritten page should have 42 lines, approximately 500 words with Times New Roman '12' point character.
- E. References should strictly follow the most current APA style [7th Edition].
- F. Tables should be self-explanatory and inserted where it is supposed to appear in the body of the paper. A short title should be provided with any additional information contained in a lucid form to explain the meaning of the content.
- G. Figures are referred to all drawings, diagrams, graphs and photographs. These should be of the highest quality and suitable for direct reproduction. Each figure should be presented within the body of the paper.
- H. An abstract of 200 words is included for articles.
- I. The author's profile is complete and update.

Association of Educational Researchers and Evaluators of Nigeria (ASSEREN)

- 5. Whether or not the manuscript is accepted, the timing of production is decided by the Editorial board.
- 6. Galley Proof will be sent to the corresponding author if there is sufficient time to do so. The authors are responsible for reading the first galley proof. No change of content of the manuscript is permitted on the galley proof without the consent of the Editor-in-Chief.
- 7. Copyright. The articles published in any of the Journals of Association of Evaluators and Researchers of Nigeria (ASSEREN) are copyrighted to Association of Evaluators and Researchers of Nigeria (ASSEREN) c/o Institute of Education, University of Ibadan, Ibadan, Nigeria.
- 8. Submission of Manuscripts: Manuscripts should be uploaded on OJS ASSEREN website (<u>www.theasseren.org.ng</u>). Further correspondence should be sent to the Secretary/Operations Manager, Sunday N. Okocha (sundaydom2000@yahoo.co.nz) and Editor in Chief/Journal Manager, Prof. Monica N. Odinko (moniquengozi@yahoo.com).
- 9. Subscriptions/Reprints: Request for individuals and institutional subscriptions/Reprint should be addressed to: ada.otuoze@gmail.com

LIST OF CONTRIBUTORS

Cliff I. Okebanama	Department of Science Education, University of Nigeria, Nsukka
Catherine U. Ene	Department of Science Education, University of Nigeria, Nsukka
Roseline I. Ezechukwu	Department of Psychology, Guidance and Counseling, School of Education, Federal College of Education (Technical), Omoku Rivers State Email: <u>cliff.okebanama@unn.edu.ng</u>
B. C. E. Oguguo	Department of Education, University of Nigeria, Nsukka
G.C.Asanga	Department of Education, University of Nigeria, Nsukka. Email: <u>godwin.chris.asanga@gmail.com</u>
S. U. Nwani	Department of Education, University of Nigeria, Nsukka
F. U. Azor	Department of Education, University of Nigeria, Nsukka
M.O.Ameh	Department of Education, University of Nigeria, Nsukka
Modupe A. Alawaye	Department of Educational Foundations and Counselling Psychology, Faculty of Education Lagos State University, Ojo Email: alawayemodupe@gmail.com
Olufunmi Taiwo	Department of Educational Foundations and Counselling Psychology, Faculty of Education Lagos State University, Ojo Email: olutaiwo22@gmail.com
Onuh Omale	Joseph Sarwuan Tarkaa University, Makurdi Email: omaleonuh@gmail.com
Gloria Adaku Dike	Joseph Sarwuan Tarkaa University, Makurdi Email: gloria.dike@unn.edu.ng
C. A. Chibundum	University of Nigeria, Nsukka Email: chibundumalo@gmail.com
Adams O. U. Onuka	Manedec Global Synergy Consulting Email: ada.otuoze@gmail.com
Ijeoma S. Ladele	Department of Peace, Security and Humanitarian Studies, Faculty of multidisciplinary Studies, University of Ibadan, Nigeria
Abiodun I. Agunbiade	Institute of Education, University of Ibadan Email: abiodunisaacagunbiade@gmail.com

TABLE OF CONTENTS

1.	Effects of Problem-Based Learning Instructional Strategy on Academic Achievement of Senior Secondary School Students in Chemistry in Imo State, Nigeria	
	Cliff I. Okebanama, Catherine U. Ene & Roseline I. Ezechukwu	1-9
2.	Investigating Teacher Related Factors Affecting the Effective Implementation of Chemistry Curriculum in Secondary Schools B. C. E. Oguguo, G. C. Asanga, S. U. Nwani, F. U. Azor & M. O. Ameh	10-17
3.	Teachers' and Students' Perception of Mathematics Pedagogical Issues in Junior Secondary Schools in Ikorodu, Lagos State Modupe A. Alawaye, & Olufunmi Taiwo	18-23
4.	Assessment Practices For Effective Rural Community Literacy Blended e-Learning Outcomes Adams O. U. Onuka & Ijeoma S. Ladele	24-32
5.	Job Performance Between Professional Accountants of the Institute of Chartered Accountants of Nigeria (ICAN) and Association of National Accountants of Nigeria (ANAN) Abiodun I. Agunbiade & Adams O. U. Onuka	33-42
6.	Assessment of Ability Estimate and Model Fit of Students in 2020 NECO Mathematics in Benue State, Nigeria Onuh Omale, Gloria Adaku Dike & C.A. Chibundum	43-52