UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE

VOL.4. NO.1, AUGUST, 2023

UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE

UNIVERSITY OF SHEFFIELD SHEFFIELD, SOUTH YORKSHIRE, ENGLAND UNITED KINGDOM

VOL.4, NO.1, AUGUST, 2023

Published 2023 by:

NETWORK OF GLOBAL WHO IS WHO IN ACADEMIA UNITED KINGDOM

Copyright @ 2023 NETWORK OF GLOBAL WHO IS WHO IN ACADEMIA

ISSN: 2847-8377

Printed by:

NETWORK OF GLOBAL WHO IS WHO IN ACADEMIA UNITED KINGDOM

E-mail: globalwhoiswhoinacademia@yahoo.com

UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE UNITED KINGDOM

CALL FOR PAPERS

UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE is an educational journal which creates a platform for publication of sound articles that meet our quality. The articles must be written in English language for the purpose of all users' comprehension. Manuscripts that had already been published or submitted elsewhere for publication are not accepted for publication here. Please the authors should note these points very well.

BENEFITS AND GUIDELINES FOR AUTHORS

- 1. Interestingly, after the publication the authors shall receive one hard copy of the Journal.
- 2. We publish the third paper free of charge for you after every 1st two papers in same journal.
- 3. Publication of the journal is charged USD 150 or its equivalent for all Authors.
- 4. 6-8 days review process after submission of article.
- 5. You will receive information of your article in less than 36 hours from the time of submission.
- 6. Each paper must be accomplished within a review fee of USD 15 only.
- 7. Payment for publication fee should be made to the following account details:

Ecobank – Account Name: Global Academic Stars Promoter

Account Number: 2343019045

SCHEDULE DATE FOR PUBLICATIONS

Deadline for submission: 25th of every month.

Acceptance Notification: Within 6-8 days from the date of resubmission of

the edited manuscript.

Journal Publication Date: Every 2nd working day of the month

N/B

- 1. Articles should be submitted in type written form in Time new Romans, with 12 font size in double line spacing and should not be more than 15 pages.
- 2. The Manuscript must be prepared according to the current American Psychological Association (APA) manual on form and style.
- 3. The first page should be used to indicate the title of the paper, author's name, institutional affiliation, status, and contact address including telephone number(s), and e-mail address.
- 4. The second page should contain only the title of the paper and abstract of not more than 250 words.
- 5. Literature should be current (outdated references may stop your work from being published).
- 6. It should be sent to the following e-mail address: globalwhoiswhoinacademia@yahoo.com. Ensure that your article is submitted as an email attachment.

Besides, manuscripts, correspondence or inquiries can be sent to:

EDITOR IN CHIEF:

EMMANUEL D. HANSON, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LIBRARY SCIENCE
FACULTY OF EDUCATION
UNIVERSITY OF SHEFFIELD
SHEFFIELD, SOUTH YORKSHIRE, ENGLAND
UNITED KINGDOM

OR

EXECUTIVE SECRETARY

HUGE K. DANIEL, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LIBRARY SCIENCE
GOLDEN GATE UNIVERSITY
536 MISSION STREET
SAN FRANCISCO, CA 94105
CALIFORNIA
THE UNITED STATES OF AMERICA.

All through:

E-mail addresses: globalwhoiswhoinacademia@yahoo.com

UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE

EDITORIAL BOARD

EDITOR IN CHIEF:

EMMANUEL D. HANSON, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LIBRARY SCIENCE
FACULTY OF EDUCATION
UNIVERSITY OF SHEFFIELD
SHEFFIELD, SOUTH YORKSHIRE, ENGLAND
UNITED KINGDOM

CONSULTING EDITORS

HUGE K. DANIEL, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LIBRARY SCIENCE
GOLDEN GATE UNIVERSITY
536 MISSION STREET
SAN FRANCISCO, CA 94105
CALIFORNIA
THE UNITED STATES OF AMERICA.

KING M. JOHN, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LIBRARY SCIENCE
GOLDEN GATE UNIVERSITY
536 MISSION STREET
SAN FRANCISCO, CA 94105
CALIFORNIA
THE UNITED STATES OF AMERICA.

JOHN J. SAVIOUR, Ph.D DEPARTMENT OF EDUCATIONAL TECHNOLOGY & LIBRARY SCIENCE UNIVERSITY OF ILLINOIS AT CHICAGO NORTHERN ILLINOIS, UNITED STATES

RAYMOND L. DAVIS, Ph.D DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE UNIVERSITY OF ROCHESTER ROCHESTER NEW YORK CITY PAUL O. KING, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY AND LIBRARY
SCIENCE
FACULTY OF EDUCATION
UNIVERSITY OF CALIFORNIA
OAKLAND
CALIFORNIA
UNITED STATES

ERNEST D. MONDAY, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY AND LIBRARY
SCIENCE
FACULTY OF EDUCATION
UNIVERSITY OF SHEFFIELD
SHEFFIELD, SOUTH YORKSHIRE, ENGLAND
UNITED KINGDOM

DAVID K. WILSON, Ph.D
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
FACULTY OF EDUCATION
UNIVERSITY OF ROCHESTER
ROCHESTER
NEW YORK CITY

HENRY MARTINS HENRY, Ph.D
DEPARTMENT OF EDUCATIONAL TECHNOLOGY AND LIBRARY
SCIENCE
WINSTON-SALEM
NORTH CAROLINA
UNITED STATES OF AMERICA

VICTORY U. VICTOR, Ph.D DEPARTMENT OF EDUCATIONAL TECHNOLOGY AND LIBRARY SCIENCE UNIVERSITY OF CALIFORNIA, IRVINE

LIST OF CONTRIBUTORS

Mbuotidem Umoh Esq. Ph.D Ime Umanah Law Library, University Of Uyo, Uyo, Akwa Ibom State, Nigeria.

Uduakobong Oscar UDOH, Ph.D Main Library University of Uyo, Uyo

And

Saviour U. Henry, Ph.D
Department of library and Information Science
University of Illinois at Chicago
Northern Illinois,
United States.

Godswill U. Okon PhD, CLN,
Mary Mfon Bassey PhD, CLN,
Edidiong I. Eyo CLN

And

Emmanuel Jato University of Uyo, Uyo.

Theresa Nse UDO-OKON, Ph.D

Department of Educational Technology and Library Science
University of Uyo, Uyo

And

Joel M. PETERS Ph.D
Department of Library and Information Science
Faculty of Education
University of Rochester
Rochester
New York City



Arit Okonobong Atakpa, Ph.D Department of Early Childhood Education, Akwa Ibom State College of Education, Afaha Nsit

Immaculata Umoh Ph.D
Department of Pre-Primary and Primary Education Studies
University of Uyo

And

Nsima F. Ikoh, PhD
Department of Early Childhood and Special Education
University of Uyo.

AKPAN, E. Ebenezer, Ph.D
Corporate Institute of Research and Computer Science
140 Ikot Ekpene Road
Uyo, Akwa Ibom State

And

Dr Augustine J. John
Department Of Mathematics and Computer Science
Freie Universität Berlin
Kaiserswerther str. 16-18
14195 Berlin
Germany.

Myrtle Usen IBOKETTE, Ph.D, Department of Home Economics University of Uyo, Uyo

Dorothy Thompson, Ph.D
Department of Home Economics
University of Uyo, Uyo

AND

Francis Effiong Okon
Department of Home Economics
University of Uyo, Uyo.

Sunday, Brain Edem
Department of Integrated Science
Akwa Ibom State College of Education
Afaha, Nsit.

Nyakno Friday Jimmy
Department of Integrated Science
Akwa Ibom State College of Education
Afaha, Nsit.

AND

Assan, Emem Friday
Department of Integrated Science
Akwa Ibom State College of Education
Afaha, Nsit.

CONTENTS

EDITORIAL COMMENTS	ΧI
A Critical Analysis of Bibliography in Scholarly Papers: The Review of The Components and The Management Tools for Academic Libraries In Akwa Ibom State Tertiary Institutions. Mbuotidem UMOH ESQ., Ph.D	1
Modern Library Automation: The Integrated Services and Related Challenges. Uduakobong Oscar UDOH, Ph.D Saviour U. Henry, Ph.D	19
Web Resources and Utilization of Electronic Materials in Nigerian University Libraries Godswill U. Okon PhD, CLN, Mary Mfon Bassey PhD, CLN, Edidiong I. Eyo CLN, Emmanuel Jato	32
Assessment of Cloud Storage and The Related Components: The Merits and Demerits Joel M. PETERS Ph. D Theresa Nse UDO-OKON, Ph.D	58
Cloud Computing and Effective Teaching of Children: The Prospect and Challenges Arit Okonobong Atakpa, Ph.D. Immaculata UMOH Nsima F. Ikoh, PhD	73
Assessment Of Computer and Communication Literacy Skills as A Correlate of Student Use Of Federal Polytechnic Library, Ukana AKPAN, E. Ebenezer, Ph.D, DR Augustine J. John	87
Facebook and WhatsApp as Correlates of Dress Sense of Female Students in University of Uyo Myrtle Usen IBOKETTE Dorothy Thompson, Ph.D Francis Effiong Okon	102

Influence Of Think Pair Share Instructional Strategy
On Senior Secondary School Students' Academic Performance
And Retention in Science Subject in Akwa Ibom
North East Senatorial District, Nigeria
Sunday, Brain Edem
Nyakno Friday Jimmy
Assan, Emem Friday

116

EDITORIAL COMMENTS

UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE, an exclusive journal that provides the innovative research findings on topical issues in library and information science as well as educational technology. It brings new findings on innovations, developments, discoveries, inventions, etc to the masses with great impactful platform for all scholars and researchers to publish their articles and contribute to the global economy. While giving immense thanks to God for the grace given to us to accomplish this task smoothly, we present to you the VOL. 4, NO.1 of **UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE**. On behalf of the Editorial Board of this unprecedented Journal of our time, we express our gratitude to all the distinguished scholars who have contributed greatly to this edition and make this journal publication a success.

The journal incorporates various kinds of researches and developments carried out by scholars in library and information science as well as educational technology, computer science and related fields. In this **UNIVERSAL JOURNAL OF LIBRARY AND INFORMATION SCIENCE** we promise to be real and original as well as keeping you acquainted with new research findings. Thank you.

EMMANUEL D. HANSON, Ph.D. CHIEF EDITOR