Author Guidelines

Technoscience Journal for Community Development in Africa is a peer-reviewed, biannual journal jointly published by the Faculties of Agriculture, Engineering and Technology, Pure and Applied Sciences, and Information and Communication Technology at Kwara State University. The Journal publishes original and scientific problemoriented collaborative research in Science and Engineering aimed towards community development in any part of Africa. Its scope covers the following thematic areas under the four identified disciplines:

- 1. Engineering/Technology: Structures, Thermo-fluids, Controls & Optimisation, Electrical, Aeronautics and Astronautics, Aviation, Irrigation System, and Farm Machinery & Power;
- 2. Pure and Applied Sciences: Physical sciences, Mathematical sciences, Basic & Allied Health sciences, and Biosciences and Biotechnology;
- 3. Agriculture: Food Science & Technology, Animal husbandry, Diary Science, Agronomy, Crop Protection, Agricultural Biotechnology, Genomics, Soil Sciences, and Agricultural Economics & Extension;
- 4. Computer and Information Sciences: Software Development, Hardware Implementation, Information Security, Bioinformatics, Artificial Intelligence, Data Science and current trends in Computing.

Frequency of Publication

The Journal is published twice a year in June and December.

Copyright & Declaration

Opinions expressed in the Journal are solely those of the authors and do not necessarily reflect the views of the editors or the publisher. Materials published in the *Technoscience Journal for Community Development in Africa* are copyrighted in its favour. As such, no part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, or any information retrieval system, without the prior written permission of the publisher.

Whilst every effort is made by the publisher and editorial board to see that no inaccurate or misleading data, opinion or statement appears in this Journal, they wish to make it clear that the data and opinions appearing in the articles and advertisement herein are the responsibility of the contributor or advertiser concerned. Accordingly, the publisher and the editorial committee accept no liability whatsoever for the consequence of any such inaccurate or misleading data, opinion or statement.

Publication Ethics

The manuscript must represent original work by the author(s). None of the material should be covered by any copyright. If copyrighted material exceeding approximately 100 words from a journal article or approximately 500 words from a book is used, the author must obtain written permission for its use. Furthermore, this work should not infringe any intellectual property rights/secrecy laws of any person/organisation/government/public or private agency, nor should it contain any defamatory matter. KWASU Press and Publishing does not bear any responsibility for verifying copyright permissions provided by the author. Any breach of copyright laws will result in retraction of the published article/material as well as reporting to relevant authorities at the authors' institutions.

The Journal uses appropriate originality checker software to check manuscript for plagiarism and other publication malpractices. Therefore, by submitting a manuscript to the Journal, the author agrees to necessary originality check for evaluation purposes.

Author must not have more than one article in an issue. Author whose name was not declared as a contributor during the initial manuscript submission but was added later at any stage of manuscript revision will not be recognised as a contributor unless the Journal Editor and Section Editor are convinced of his/her genuine contribution.

Manuscripts Submission

Submission of a manuscript implies that the work has not been published before and is not under consideration for publication anywhere else; that its publication has been approved by all authors, as well as responsible authorities, where necessary, at the institute where the work is carried out and/or funding organisation. The publisher will not be held legally responsible should there be any claims for compensation.

Authors are required to comply with the following guidelines:

1. Organisation of the text should be in the following order:

Sub-discipline category

Title of manuscript

Author(s') name(s)

Address(es) of Author(s) with e-mail address(es) and Telephone number of Corresponding Author

Abstract

Keywords

Introduction

Materials and methods

Results and discussion

Conclusion

Acknowledgement (if any)

References

- 2. Please ensure to specify one sub-discipline category that is most suitable for your manuscript at top left hand corner of the first page of the manuscript from the following: Engineering and Technology; Agriculture; Pure and Applied Sciences; Computer and Information Sciences. You should also indicate whether your manuscript is a research article or review article (e.g., Sub-discipline Category: Engineering & Technology, Research Article; or Pure & Applied Sciences, Review Article).
- 3. Title of the manuscript should be brief containing a maximum of 21 words.
- 4. There should be a short running title of not more than 10 words that will run across every page of the manuscript.
- 5. Authors' full names (first-name, middle-name, and last-name), affiliations (Department and Institution) and functional email address of all authors should then follow. One of the authors should be assigned as the corresponding author.
- 6. Research article or review article should be 3,500-8,000 words, accompanied by an abstract of 150-200 words and 5 keywords.
- 7. Manuscript should be typewritten in Microsoft Word, with Times New Roman font, size 12, double line spacing and normal margin (1 inch all sides).
- 8. Headings and sub-headings of different sections should be clearly defined and consecutively numbered with Arabic numerals.
- 9. Tables and figures when used must be cited in the text and placed as close as possible to where they are cited and not separate at the back of the entire manuscript. Tables and figures are numbered consecutively throughout the text but independent from each other. Every table and figure should have a caption. A table caption is centred above the table; a figure caption is centred under the figure.
- 10. For enumeration and measurement, use numerals whenever a number is followed by a standard unit of measurement e.g. 2 g, 7 days; otherwise, use words for one through to nine and numerals for larger numbers. Report all data

- in metric unit and provide at least one measure of variability (e.g. standard error or standard deviation) when reporting quantitative data. Abbreviations of any term should be spelled out in full at first mention.
- 11. The text should adhere to the citation and referencing style of the American Psychological Association (APA), 7th edition.
- 12. The Journal uses double blind review process in which the process of reviewing manuscript is based on the anonymity of the author and the confidentiality of reviewers;
- 13. The Editorial Board reserves the right to edit a manuscript to make it more readable.
- 14. Manuscript should be submitted online at https://journals.kwasu.edu.ng/index.php/technoscience/index. The Editor can be reached at olawale.aliyu@kwasu.edu.ng; technoscience2009@gmail.com.

Contacts

Professor Olawale Mashood Aliyu
Faculty of Agriculture, Kwara State University, Malete,
P.M.B 1530, Ilorin, Kwara State, Nigeria
Email: olawale.aliyu@kwasu.edu.ng; technoscience2009@gmail.com
https://journals.kwasu.edu.ng/index.php/technoscience/index

Published by

KWASU Press and Publishing Kwara State University, Malete P.M.B. 1530, Ilorin, Kwara State, Nigeria kwasupress@kwasu.edu.ng; kwasupress@gmail.com https://journals.kwasu.edu.ng

Reviewers for Technoscience Journal for Community Development in Africa, Volume 1, Number 1, 2020

A. O. Ajayi, Obafemi Awolowo University, Ile-Ife, Nigeria
A. O. Mustapha, Kwara State University, Malete, Nigeria
Abdulazeez Muhammad-Lawal, University of Ilorin, Nigeria
Adeogun Adeniyi, Kwara State University, Malete, Nigeria
Adeolu Odedire, Obafemi Awolowo University, Ile-Ife, Nigeria
Adeolu Taiwo Ande, University of Ilorin, Nigeria
Adiat Arogundade, University of Abuja, Nigeria
Bashir Adebayo Sulaimon, Federal University of
Technology, Minna, Nigeria

Bolanle Kudirat Saliu, *University of Ilorin, Nigeria*E. O. Imoloame, *Kwara State University, Malete, Nigeria*Emmanuel Anyachukwu Irondi, *Kwara State University, Malete, Nigeria*

Emmanuel O. Ajani, Kwara State University, Malete, Nigeria F. A. Adekola, University of Ilorin, Nigeria

Falilat Jumoke Ajao, Kwara State University, Malete, Nigeria Ibrahim Abdulwasiu Opeyemi, Kwara State University, Malete, Nigeria

Ibrahim Ayanda, Kwara State University, Malete, Nigeria
Jeleel Adekunle Adebisi, University of Ilorin, Nigeria
K. A. Adeloye. Obafemi Awolowo University, Ile-Ife, Nigeria
K. A. Dauda, Kwara State University, Malete, Nigeria
Kamorudeen Oladosu, Kwara State University, Malete, Nigeria
Kayode Sakariyah Adewole, University of Ilorin, Nigeria
L. A. Ahmed, Federal University of Agriculture, Abeokuta,
Nigeria

M. O. Adesina, Kwara State University, Malete, Nigeria
M. O. Oke, Ladoke Akintola University of Technology, Ogbomoso, Nigeria

Maruf Yinka Kolawole, Kwara State University, Malete, Nigeria

Musa Biala, *Kwara State University, Malete, Nigeria*N. A. Sofoluwe, *Olabisi Onabanjo University, Ago-Iwoye, Nigeria*

Nureni Ayofe Azeez, *University of Lagos, Nigeria* Obinna Chukwuemeka Nwinyi, *Covenant University, Ota, Nigeria*

Olatunde Otutu, *Joseph Ayo Babalola University, Ikeji-Arakeji, Nigeria*

Oludare O. Adekoyeni, Federal University Gashua, Nigeria Rasheedat Mahamood, University of Ilorin, Nigeria Ronke Seyi Babatunde, Kwara State University, Malete, Nigeria S. I. Ola, Obafemi Awolowo University, Ile-Ife, Nigeria S. O. Alabi, Federal University of Agriculture, Abeokuta, Nigeria Samuel Orisajo, Cocoa Research Institute of Nigeria, Ibadan, Nigeria

Shehu A. Salau, Kwara State University, Malete, Nigeria
Shehu Sanni, Kwara State University, Malete, Nigeria
Sola Komolafe, University of Ilorin, Nigeria
Sulaiman Adesina Yusuf, University of Ibadan, Nigeria
T. M. Yusuf, Kwara State University, Malete, Nigeria
Taiwo Akande, Obafemi Awolowo University, Ile-Ife, Nigeria
Tawakalitu Aruna, Kwara State University, Malete, Nigeria
Taye Abegunde, Obafemi Awolowo University, Ile-Ife, Nigeria
Tunde Olorunsanya, Ibrahim Badamasi Babangida University,
Lapai, Nigeria

Victoria A. Tanimonure, Obafemi Awolowo University, Ile-Ife, *Nigeria*

W. A. Olaniyi, Adekunle Ajasin University, Akungba-Akoko, Nigeria

Wasiu Awoyale, Kwara State University, Malete, Nigeria