

Editorial

It is a great pleasure to introduce our journal, *Technoscience Journal for Community Development in Africa* (TJCDA) to the science community and the general public. TJCDA 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 the Kwara State University. This publication outlet was established to drive the vision of the Kwara State University of promoting innovative research and technological development with emphasis on advancing the African communities, in the areas of poverty eradication and sustainable livelihoods. It is my belief that seamless dissemination of, and access to, quality research outputs by scholars, policy formulators, government agencies, industries, and the general public will improve the quality of training in our tertiary institutions and at the same time, facilitate entrepreneurial development of small and medium scale sectors of African's economy. To this end, *Technoscience Journal for Community Development in Africa* publishes original and scientific problem solving collaborative research findings in the Sciences and Engineering from any part of the globe but which focuses on Africa. Our goal is to provide a platform for aggregating scientifically proven innovative research ideas and findings from agriculture, engineering, basic and applied sciences, and information and communication technology (ICT). The editorial team is not unmindful of the broad nature of this journal and the tasks involved. We have therefore divided the journal into four sections, namely Agriculture; Engineering and Technology; Pure and Applied Sciences; and Computer and Information Sciences, with each section overseen by an Associate Editor who is a subject matter specialist in one of the thematic areas of the discipline. This journal covers the following thematic areas under the four identified disciplines:

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

In order to reach a wider audience, accepted articles will be published in print (hard copy) and electronically (online). The editorial board is conscious of paucity and/or limited access to research funding support by academics in the continent; it has therefore resolved that for now, there shall be no process and publication charges on authors. The editorial board will seek external support from TETFund through Kwara State University to fund the publication of the journal.

Since this is the maiden issue of this journal, it is pertinent to put on record the history of the journal's establishment. The idea to establish a publication outlet for science and technological research outputs was initiated by the former (pioneer) Vice Chancellor of Kwara State University, Prof. AbdulRasheed Na'Allah. This idea was vigorously driven to reality by the former Director of Kwara State University Press, Prof. Abdul Kabir Hussain Solihu and my editorial team. We assembled competent and experienced individuals who shared the vision and ideals of global academic quality standard across all relevant disciplines as Editorial and Advisory Boards to establish and manage this journal.



The editorial team under my leadership was constituted in October 2018 with adverts for paper submission in January 2019. This maiden issue is however coming 12 months behind schedule; the editorial team is nonetheless satisfied with the quality of the few articles finally accepted for publication in this first issue. For the record, about 65% of papers submitted were rejected because of either poor quality or a high similarity index when checked with Turnitin originality checker. This high rejection rate is to establish acceptable minimal quality standard and promote originality in scientific research and publications right from the inception of this journal. This stance may look tough to some researchers, but it has come to stay. I therefore use this occasion to congratulate authors who took the pains to comply with our rigorous review process and whose manuscripts were finally accepted for publication in this maiden issue.

It is also important to state that we were conscious of the enormous task ahead of us right at the formation of this journal, especially in terms of establishing standard. Our goal is not only to provide a platform for dissemination of scientific and innovative technological information, but also to promote global best practices among academics. To achieve this, we assembled highly experienced professionals across broad thematic areas covered by this Journal. These experts have brought their experiences to support the journal in their various areas of specialisation where we have submissions and

have equally helped in expanding our pool of reviewers and reducing the waiting and reviewing periods. We will be extending more invitations and we hope to welcome more board members as this journal grows.

At this juncture, I want to thank the Chairman, the Associate Editors, the Editorial Board and the Advisory Board for their diligence and commitment to upholding the standards to which the journal aspires. I also thank our numerous reviewers for their thoroughness and *pro bono* services. Their contributions, valuable suggestions, and support cannot be overemphasised. I must thank Dr. K. A. Dauda of the Department of Statistics and Mathematical Sciences (KWASU), for painstakingly reviewing all accepted papers for quality of experimental design and/or statistical analysis. The support of the current Vice Chancellor, Prof. Mohammed Mustapha Akanbi towards the publication of this maiden volume is highly appreciated.

Our future strategy includes providing space for publication of invited papers, selected professional papers and communiques of symposia on national or African development in health, agriculture, technology, and information and communication technology. I have the pleasure to present to you the maiden issue of the *Technoscience Journal for Community Development in Africa*.

Olawale Mashood Aliyu
Editor