



# SCIENTIA AFRICANA

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***Editor-in-Chief***

Professor F.S. Ire  
*francis.ire@uniport.edu.ng*

***Editorial Office***

*Scientia Africana*  
University of Port Harcourt  
PMB 5323, Port Harcourt, Nigeria  
[www.scientia-africana.uniportjournals.info](http://www.scientia-africana.uniportjournals.info)  
<https://www.ajol.info/index.php/sa>  
**E-mail:** [scientia-africana@uniport.edu.ng](mailto:scientia-africana@uniport.edu.ng)  
**+2347069131830**

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# SCIENTIA AFRICANA

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## Editorial

Scientia Africana (An International Journal of Pure and Applied Sciences) is a publication of the Faculty of Science, University of Port Harcourt. The first edition was published in the year 1999 and since then it has transformed from the manual edition to the online edition with many other innovations and improvement to make the quality and content International in Standard. We are happy to announce that the journal is now published bi-monthly and we thank all our stakeholders for their invaluable contributions towards the attainment of this great milestone.

The mandate of the journal is to provide a reputable forum for all scientists and professionals of related disciplines to disseminate and exchange their research findings while opening up a greater global audience of both authors and readers.

The articles in this edition cover a wide-range of research-findings that cut across the fields of pure and applied sciences and

technology. The issues are of current interest, inciting and they open wide opportunities for further research in related areas of study and applications.

I hereby thank our esteemed manuscript reviewers for their quick response, constructive suggestions and contributions that have greatly improved the quality of this Journal.

Also, we are grateful to the contributors and readers for your faith in this Journal and your regular comments, respectively.

We are very pleased to inform our esteemed reviewers, authors, and the general public that the online version of our Journal has open access on the AJOL website. Scientia Africana is now published bi-monthly and the schedule is February, April, June, August, October, and December every publication year.

Happy reading and thank you.

**Prof. F.S. Ire**  
**Editor-in-Chief**  
**E-mail: francis.ire@uniport.edu.ng**

