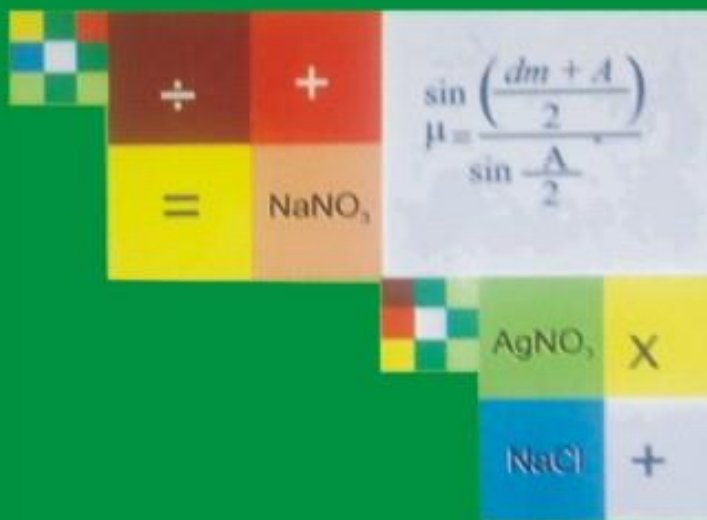


# AFRICAN JOURNAL OF SCIENCE TECHNOLOGY AND MATHEMATICS EDUCATION (AJSTME)



Volume 8, Issue 6 - September, 2022. ISSN: 2251-0141



**JOURNAL OF THE DEPARTMENT OF SCIENCE EDUCATION  
UNIVERSITY OF NIGERIA, NSUKKA**

OUR WEBSITE: <https://www.ajstme.com.ng>

# AFRICAN JOURNAL OF SCIENCE, TECHNOLOGY AND MATHEMATICS EDUCATION (AJSTME)

---

**Volume 8, Issue 6 - September, 2022**

---

**SPECIAL ISSUE ON TOWARDS ACHIEVING QUALITY SCIENCE EDUCATION PEDAGOGY IN THE POST  
COVID-19 ERA: THE ROLES OF ONLINE TEACHING PLATFORMS**

**ISSN: 2251-0141**

Published by the  
Department of Science Education  
University of Nigeria, Nsukka

## **The Editorial Board**

### **Editor-in-chief**

**Prof. Nkadi Grace Onyegegbu**

Department of Science Education,

University of Nigeria, Nsukka

**E-mail:** [nkadi.onyegegbu@unn.edu.ng](mailto:nkadi.onyegegbu@unn.edu.ng)

### **Editor**

**Prof. Chinwe Rose Nwagbo**

Department of Science Education,

University of Nigeria, Nsukka

**E-mail:** [chinwe.nwagbo@unn.edu.ng](mailto:chinwe.nwagbo@unn.edu.ng)

### **Associate Editors**

- Dr. C. S. Ugwuanyi, Department of Science Education, University of Nigeria, Nsukka
- Dr. B. C. E. Oguguo, Department of Science Education, University of Nigeria, Nsukka
- Dr. C. C. Ugwuanyi, Department of Science Education, University of Nigeria, Nsukka
- Dr. E. I. Orji, Department of Science Education, University of Nigeria, Nsukka

### **Consulting Editors**

- Prof. B. G. Nworgu, Department of Science Education, University of Nigeria, Nsukka
- Prof. U. M. Nzewi, Department of Science Education, University of Nigeria, Nsukka
- Prof. D. N. Ezeh, Department of Science Education, University of Nigeria, Nsukka
- Prof. S. Mari, Department of Science Education, Ahmadu Bello University, Zaria
- Prof. A. M. Olagunju, Institute of Education, University of Ibadan
- Prof. Z.C. Njoku, Department of Science Education, University of Nigeria, Nsukka
- Prof. C. E. Ochonogor, Department of Science Education, Cape Peninsula University of Technology, Mowbray Campus, Cape Town, South Africa
- Prof. G. O. M. Onwu, University of Pretoria, South Africa
- Prof. J. C. Adigwe, Department of Science Education, University of Nigeria, Nsukka
- Prof. F.O. Ezeudu, Department of Science Education, University of Nigeria, Nsukka

### **Editorial Assistant**

- Mr. Ukala, Geoffrey, Department of Science Education, University of Nigeria, Nsukka.

## Editorial

African Journal of Science, Technology and Mathematics Education (AJSME) is an official publication (now online) of the Department of Science Education, University of Nigeria, Nsukka. AJSTME is a peer reviewed publication aimed at advancing knowledge and professionalism in research in education. As a scholarly journal, it focuses in innovation in knowledge of Science, Technology and Mathematics (STM), Curriculum, Evaluation, Policy and Pedagogy.

The Editor-in-chief of this journal is sincerely thankful to the editorial team and to all those who contributed in one way or the other in making AJSTME what it is today and especially to our numerous subscribers.



## In This Issue

- ❖ Theoretical and Empirical Comparison of Stratified and Cluster Sampling Schemes with Application to Mathematics Students Scores - **Etorti, I. J., Ferdinand M. E., & Agada, A. N.** .....506-513
- ❖ Effect of Reciprocal Peer Tutoring Approach on Attitude of Secondary School Students' Physics in Enugu Education Zone - **Onah, K. T.** .....514-521
- ❖ Teachers' Awareness and Utilisation of Flipped Classroom Instructional Approach in Secondary School Biology Teaching and Learning - **Aniaku, O. L., Ngwu, A. N., & Nwankwo, A. L.** .....522-528
- ❖ Enhancing Students' Academic Achievement in Stem Education Using Available Social Media Plaforms in the Post Covid 19 in Kogi State Nigeria - **Yakubu P. A., & C. A. Tanko** .....529-536
- ❖ Effect of Thematic Learning Strategy on Senior Secondary School Students Academic Performance in Trigonometry in Adamawa State, Nigeria - **Fasasi, K. M.**.....537-543
- ❖ Effect of Three Modes of Reward on Private Secondary School Students' Academic Achievement in Biology, Adamawa State, Nigeria - **Fatima M. J., Abba M. D., & Nwala L.** .....544-550
- ❖ The Social Demand Approach of Education Planning in Nigeria: Limitations and the Way Forward - **Osimini, O. A., & Odoemenam, E. A.** .....551-555
- ❖ Access and Use of Internet Resources for Learning Among Biology Education Undergraduate Students - **Ugwu, T. U., & Aniaku, L. O.** .....556-561
- ❖ Perceived Classroom Psychosocial Environment as Correlates of Students Interest in Senior Secondary School Geography in Orlu Education Zone 1 of Imo State, Nigeria - **Onwuzurike U. A., Nwagu E. K. N. & S. Mustapha** .....562-567