INTERNATIONAL JOURNAL OF RESEARCH FINDINGS IN ENGINEERING, SCIENCE AND TECHNOLOGY

ISSN Print: 2315-8417 **ISSN Online:** 2489-0138 Vol. 6. No. 1 Nov., 2024

Published by

International Scientific Research Consortium United Kingdom

DOI: 10.48028/iiprds/ijrfest.v6.i1

Impact Factor: 1.92

Frequency: Biannually

Open Access Policy: This journal provides immediate open access to its content on the principle of making research freely available to the public supports for a greater global exchange of knowledge.

Disclaimer: The views and ideas expressed in articles/ review are those of the authors(s) and not necessarily of the Editorial Board. Articles are published in good faith and the author(s) will be liable for any copyright infringements.

Editorial Contact

International Scientific Research Consortium

Dr. Abdulazeez D. El-Ladan

The Future Institute 10 Coventry Innovation Village

Coventry University

Technology Park, ČV1 2TL, United Kingdom

Editorial and Advisory Board

Professor Chukwuemeka Jude Diji

Deputy Vice Chancellor (Research, Innovations, Consultancy and Extension) Kampala International University, Kampala - Uganda

Professor Phil Paul Marpleet

University of East London, UK

Professor Adebayo Elizabeth

Department of Agricultural Economics & Extension School of Agric & Agric Technology, MAUTECH, Yola, Adamawa - Nigeria

Dr. Manoj Shukla

Department of Electronic Engineering Harcourt Butler Technological Institute

Dr. Babajide Veronica Folasade T.

Department of Science & Technology Education, Faculty of Education, University of Lagos-Nigeria

Engr (Mrs) Ramatu A. Abarshi NNSE

Electrical and Electronics Engineering Department College of Engineering, Kaduna Polytechnic, Kaduna-Nigeria

SUV. Okonkwo Chikezie

Department of Estate Management Federal Polytechnic, Nekede Owerri, Imo State -Nigeria

INTERNATIONAL JOURNAL OF RESEARCH FINDINGS IN ENGINEERING, SCIENCE AND TECHNOLOGY

ISSN Print: 2315-8417 **ISSN Online:** 2489-0138 Vol. 6. No. 1 Nov., 2024

International Directorate of Policy & Research

c/o Professor Chukwuemeka Jude Diji

Deputy Vice Chancellor (Research, Innovations, Consultancy and Extension) Kampala International University, Kampala - Uganda

PT. Hussein Botchway

University of Energy & Natural Resources Sunyani, Ghana

ED. Jonah Ulebor

Lextra Education Ltd Leeds, LS 117HL, United Kingdom admin@internationalpolicybrief.org

Editorial Objectives

The International Journal of Research Findings in Engineering, Science and Technology (IJRFEST) promotes and publishes high quality original research papers, reviews, and short communications, in the fields of Engineering, Science and Technology. Issues published provides a framework for advancing the service sciences in their theoretical and practical aspects, serving as a vehicle for the development of service sciences, management and engineering as a broad, multi-disciplinary research areas including disciplines as computer science, software engineering, operations research, management sciences, marketing, and psychology, among others.

Indexing/Abstracting/Library

The journal is processed for inclusion in,

- ◆ Google Scholar
- ◆ PIAS International Fact Sheets/Achieves
- Ulrich's Periodicals Directory (ProQuest)
- ♦ International Bibliography of the Social Sciences (IBSS)
- ♦ National Library of Nigeria cataloguing in publication data
- ♦ Brilliant International Research Library

Index, author's guidelines, ethics in publishing and ethical guidelines for journal publication see:

http://www.internationalpolicybrief.org/journals

http://www.internationalpolicybrief.org/about-us/peer-review

http://www.elsevier.com/publishingethics

http://www.elsevier.com/journal-authors/ethics

International Copyright law: All right reserved under the International Copyright Law. This volume is published by the International Scientific Research Consortium UK, in research league with International Institute for Policy Review & Development Strategies. This journalits cover page design and content may not be used or produced in any manner without written permission from the International Institute for Policy Review and Development Strategies.

Reference: We accept American Psychological Association (APA) and a double or triple in text citation (Stephen, 2012 or Stephen, 2012: 14)

Contents

$Paper\ Title/Author(s)$

1	Analysing Smartphone Usage Among Students of Tertiary Institutions in North-West Nigeria	
	¹ Usman Ismail Abdulmalik & ² Nura Abubakar Anka	1
2	To Develop a Weld Temperature Measuring System ¹ Akash Sinha, ² Rahul Kumar, ³ Samsh Niyaz, & ⁴ Pradeep Khanna	17
3	Roles of Business Education in Promoting Functional Entrepreneurial Practices for Graduates' Job Creation and Sustainable Economic Development in Delta State Okolo, Justina Adaolie	22
4	Appraisal of Knowledge, Perceptions and Adaptation to Flood Risks in the Downstream Section of River Niger Flood Plain in Mokwa Local Government Area of Niger State	
	¹ Abubakar Abdullahi Nagya, ² Umar Kuso & ³ Muhammad B. Muhammad	35
5	Environmental Impact Assessment in Developing Urban Economy: A Perspective of Challenges Impeding Public Participation in Traditional City of Bida, Nigeria 'Jiman Chado, 'Garba Musa Doko & 'Haruna Nma Alhaji Salihu	48
	Iman Chaao, Garoa Musa Doko & Haruna Nma Aman Sanna	40
6	Analysis of Potable Water Challenge in the Coastal Area of Ondo State, Nigeria	59
	¹ Sogbon, Odunwole, ² Omole, Felix Kayode & ³ Alabi, Micheal Oloyede	
7	Basalt Fiber and Its Composite Manufacturing and Applications: An Overview	
	¹Ashokkumar R. Tavadi, ²Yuvaraja Naik, ³K. Kumaresan, ⁴N.I. Jamadar, & ⁵C. Rajaravi	79
8	Phytochemical and Antibacterial Activity of Phoenix Dactylifera (Date Fruit on Selected Clinical Isolates)	
	¹ Mohammed Kolo Etsu, ² Alhassan Hussaini Egbako,	00
	³ Mohammad Mohammad Babadoko, & ⁴ Bashaku Yakubu Dabban	88
9	Review of Minimalistic Architecture	104
	¹ Ogbonnaya, I. O, ² Alozie, G. C. & ³ Aneke, C. G.	104

Contents

Paper Title/Author(s)

Analysis of the Effects of Palm Kernel Shells and Seeds on the Microstructure and Mechanical Behavior of Cast Aluminum Pulley Made with Green Sand Mold

¹Umar Usman Maikunkele & ²Idris Abubakar Yashi

115