

Academic research podium for scientists and technologists

Vol. 1, No. 2, October-November 2023 Issue

Artificial Intelligence and Public Service Delivery in Africa Burden of diarrhea and antibiotic use among children in low-resource settings preventable by Shigella vaccination: A simulation study



Challenges and Prospects of Real Estate Investment Funding in South East Nigeria: Way Forward on Capital Market Instruments

Applications of Artificial Intelligence in Civil Engineering

JOMEEPS

Academic research podium for scientists and technologists

Volume 1, Number 2, October-November 2023

Published by

Klamidas Communications Ltd No 42 Ajose Adeogun Street, Utako District, Abuja Tel: (+234) 08033370200 Website: https://klamidas.com/JOMEEPS Email: JOMEEPS@klamidas.com © JOMEEPS 2023

in partnership with

The Division of General Studies Chukwuemeka Odumegwu Ojukwu University, Anambra State, Nigeria

All Rights Reserved

No part of this publication shall be reproduced, stored in a retrieval system, or transmitted in any form by any means electronic, magnetic, or otherwise without the prior permission of the publishers.



Academic research podium for scientists and technologists

JOMEEPS Editorial Board

Editor-in-Chief

Duve Nakolisa

Editors

Prof. Innocent Chijindu Ngangah Francis Chuks Madukasi, PhD

Members of Editorial Advisory Board

Prof. Federico G. Settler University of KwaZulu-Natal, South Africa Prof. Maduabuchi Dukor Nnamdi Azikiwe University, Awka, Nigeria Prof. Saroiini Nadar University of KwaZulu-Natal, South Africa Prof. Roderick Hewitt University of KwaZulu-Natal, South Africa Prof. Jacob K. Ayantayo University of Ibadan, Ibadan, Nigeria Prof. Chika Moore Nnamdi Azikiwe University, Awka, Nigeria Prof. E. Nwigwe University of Port-Harcourt, Nigeria Prof. Jude E. Madu Chukwuemeka Odumegwu Ojukwu University, Nigeria Prof. Uduma Oji Uduma National Open University, Abakiliki, Nigeria Prof. O.B.C.Nwankwo Chukwuemeka Odumegwu Ojukwu University, Nigeria Dr Nneka Ifeoma Okafor University of Nigeria, Nsukka, Nigeria Dr Edith Ifeoma Madukasi Chukwuemeka Odumegwu Ojukwu University, Nigeria Dr. Roseline Uzeh University of Lagos, Lagos, Nigeria

About JOMEEPS Journal

Journal of Medicine, Engineering, Environmental and Physical Sciences (JOMEEPS) is an international, open-access journal published every two months (January, March, May, July, September, and November) by Klamidas.com, a notable academic publisher and webhost, in partnership with the Division of General Studies, Chukwuemeka Odumegwu Ojukwu University (COOU). It is published at the end of the month. The publishers' goal is to enhance and encourage cross-fertilization of ideas among scientists and technologists. Other benefits include: life-time archive of published papers on JOMEEPS web pages and on Google Scholar, free plagiarism check and paper amendment advisory services, free proof-reading/editing services, and availability of share buttons on every paper contributor's JOMEEPS journal page. Website: klamidas.com/jomeeps. Submit paper to jomeeps@ klamidas.com.

CITING ARTICLES IN THIS JOURNAL

APA

Nakolisa, D. (2023). Artificial Intelligence and Public Service Delivery in Africa. *Journal of Medicine, Engineering, Environmental and Physical Sciences*, 1(2), 7-16. https://klamidas.com/jomeeps-v1n2-2023-01/

AMA

Nakolisa, D. Artificial Intelligence and Public Service Delivery in Africa. *Journal of Medicine, Engineering, Environmental and Physical Sciences*, 2023; 1(2):7-16. Published November 2023. https://klamidas.com/jomeeps-v1n2-2023-01/

& JOMEEPS

Academic research podium for scientists and technologists

Vol. 1, No. 2, October-November, 2023

Table of Contents

Artificial Intelligence and Public Service Delivery in Africa

Burden of diarrhea and antibiotic use among children in low-resource settings preventable by Shigella vaccination: A simulation study

Stephanie A. Brennhofer, James A. Platts-Mills, Joseph A. Lewnard, Jie Liu, Eric R. Houpt & Elizabeth T. Rogawski McQuade

17-39

Challenges and Prospects of Real Estate Investment Funding in South East Nigeria: Way Forward on Capital Market Instruments

Hyacinth O. Eze, Loveline I. Nebo & Eliezer O. Obera

40-54

Applications of Artificial Intelligence in Civil Engineering

Leon Borf 55-61