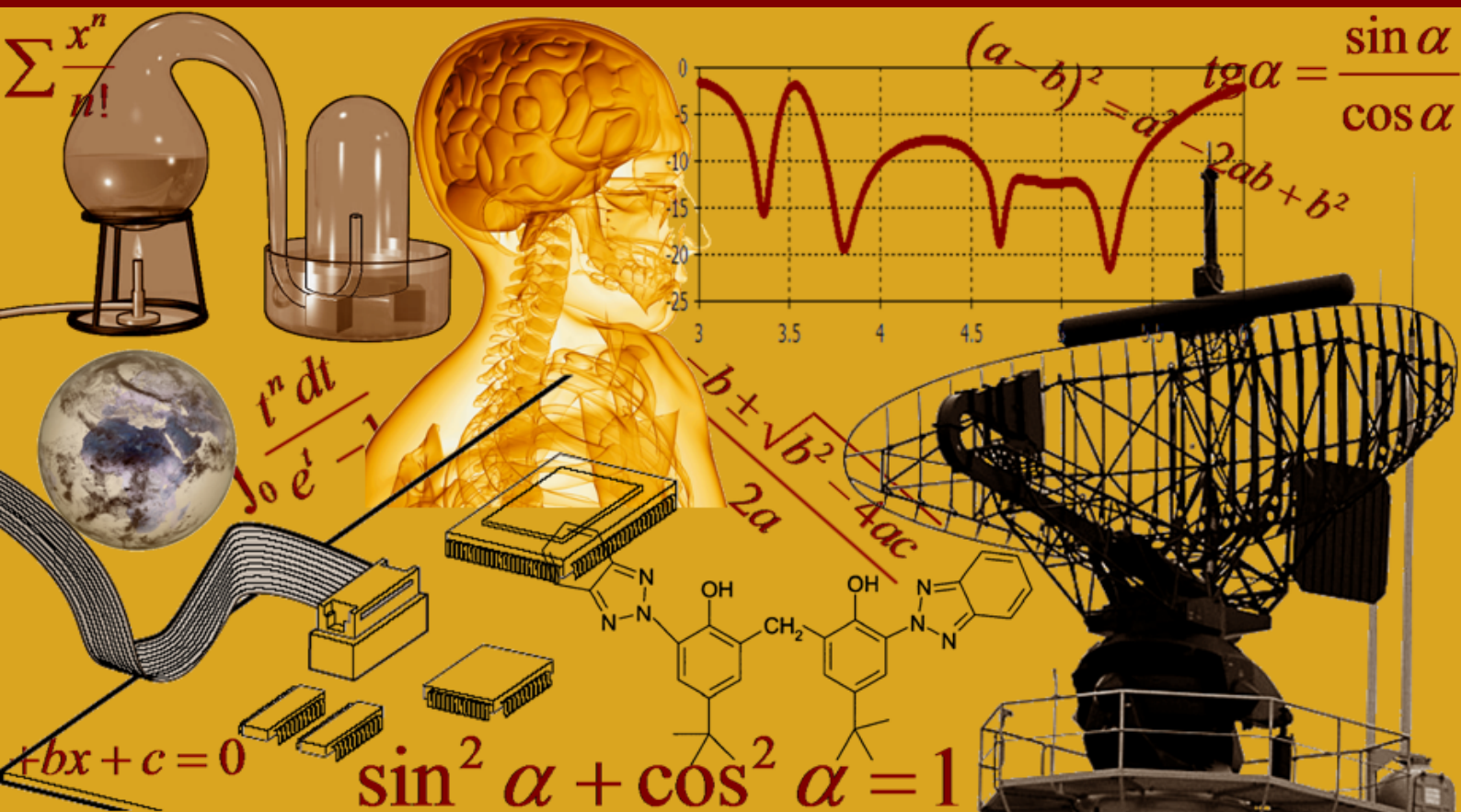


# INTERNATIONAL JOURNAL OF INNOVATION AND SCIENTIFIC RESEARCH

Vol. 77 N. 2 March 2025



International Peer Reviewed Monthly Journal



## ***International Journal of Innovation and Scientific Research***

International Journal of Innovation and Scientific Research (ISSN: 2336-0046) is an open access, specialized, peer-reviewed, and interdisciplinary journal that focuses on research, development and application within the fields of innovation, engineering, science and technology. Published four times per year in English, French, Spanish and Arabic, it tries to give its contribution for enhancement of research studies.

All research articles, review articles, short communications and technical notes are sent for blind peer review, with a very fast and without delay review procedure (within approximately two weeks of submission) thanks to the joint efforts of Editorial Board and Advisory Board. The acceptance rate of the journal is 75%.

Contributions must be original, not previously or simultaneously published elsewhere. Accepted papers are available freely with online full-text content upon receiving the final versions, and will be indexed at major academic databases.

## ***Editorial Advisory Board***

**K. Messaoudi**, Hochschule für Bankwirtschaft, Germany  
**Sundar Balasubramanian**, Medical University of South Carolina, USA  
**Ujwal Patil**, University of New Orleans, USA  
**Avdhoot Walunj**, National Institute of Technology Karnataka, India  
**Rehan Jamil**, Yunnan Normal University, China  
**Sankaranarayanan Seetharaman**, National University of Singapore, Singapore  
**Fairouz Benahmed**, University of Connecticut Health Center, USA  
**Achmad Choerudin, ST.,SE.,MM.**, Academy Technology of Adhi Unggul Bhirawa, Indonesia  
**Mohammad Ali Shariati**, Islamic Azad University, Science and Research Branch, Iran  
**Md Ramim Tanver Rahman**, Jiangnan University, China  
**Rasha Khalil Al-Saad**, Veterinary Medicine College, Iraq  
**Neil L. Egloso**, Palompon Institute of Technology, Philippines  
**Sanjay Sharma**, Roorkee Engineering & Management Technology Institute, India  
**Ahmed Nabile Emam**, National Research Center (NRC), Egypt  
**Md. Arif Hossain Jewel**, Rural Development Academy, Bangladesh  
**N. Thangadurai**, Jayalakshmi Institute of Technology, India  
**Urmila Shrawankar**, G H Rasoni College of Engineering, India  
**Goutam Banerjee**, Visva-Bharati University, India  
**Santosh Kumar Mishra**, S. N. D. T. Women's University, India  
**Anupam Kumar**, Ashoka Institute of Technology & Management, India

## Table of Contents

Analyse qualitative des calcaires de Lukunga (CII) dans le Cataract en vue de la mise en évidence d'une potentielle valorisation industrielle	163-176
<i><u>Phily Kangunza Mufuankol, Elohim Mav, Junior Savu Lutete, Mathieu Matondo Mbungu, Ruben Loola Loketo, Jonathan MUSITU, Miche Tshunza, Jonathan Manduelo, Jeancy Kangunza, and Eric Kisonga Manunu</u></i>	
Étude sur l'intégration de l'internet des objets pour optimiser la gestion des déchets dans une ville de la RDC	177-194
<i><u>MAZUNZE Bertin, KASONGO NYANGE Franck, TUBONGYE SHABANI Arlene, TSHIKA BILOMBA Bety, NGOMBE LENGE Hydro, and LUKUSA MUVUALA Vicky</u></i>	
Facteurs et incidences des tensions foncières dans la problématique de l'urbanisation rapide à adzope (sud de la Côte d'Ivoire)	195-208
<i><u>Koulotioma Issa Soro, Konan Norbert Koffi, Akissi Lurette Edith Yao, and Narcisse Bonaventure Assi-Kaudjhis</u></i>	
Caractérisation et normes techniques de réalisation des demi-lunes multifonctionnelles et classiques selon les types de sol dans l'Ouest du Niger: Cas de Sokorbé (Loga)	209-224
<i><u>Idrissa Seidou Ousmane, Tidjani Adamou Didier, Amadou Cheffou Barré, and Ambouta Karimou Jean-Marie</u></i>	
Evaluation of the effect of types of fertilization, sowing methods and seed rates on the yield and plant density of fonio ( <i>Digitaria exilis</i> Stapf) in Mali	225-235
<i><u>Moussa Daouda Sanogo, Faqaye Sissoko, Youssouf Sogoba, Salia Coulibaly, and Issouf Kone</u></i>	
Effets de la dynamique urbaine d'une ville subsaharienne: Cas des limites de Mbujimayi en République Démocratique du Congo	236-247
<i><u>Pierre Mpayi Ndolo Loy, Donatien Bukome Itongwa, and John Tshibangu Wa Ilunga</u></i>	
Conception bioclimatique de bâtiments en climat tropical sec par une approche innovante: Simulation et mesures expérimentales in situ	248-262
<i><u>Kananokba Ouedraogo and David Y.K. TOGUYENI</u></i>	
Perception des mères sur la circoncision de leurs enfants dans le quartier Ngezi	263-273
<i><u>Suga Savo Amos, Logo Ndalo Pascal, Ucircan Bule Chrisante Ibrahim, Adania Alesi, Lokanzo Lonu, and Kyaligonza Kisoke Daniel</u></i>	
Perception des enfants en situation de la rue relative à la consommation des substances toxiques en ville de Bunia	274-285
<i><u>Suga Savo Amos, Amuda Baba Dieu-Merci, Mukandu Basua Babintu Leyka, Jacques Lofandjola, and Anite Sivuni Nathalie</u></i>	
Estimation de la biomasse et du potentiel de séquestration du carbone par le massif forestier de Mambala à Kikwit en République Démocratique du Congo	286-299
<i><u>Jean Louis Ipumi Ngangwan, Gaspaulin Kingenzi Mumbenga Daa, Solange Biongo Nyami, Philippe Kilundu, Berenice Kwazitela Mwanza, and Saturnin Kudiakusika Mapekipeki</u></i>	