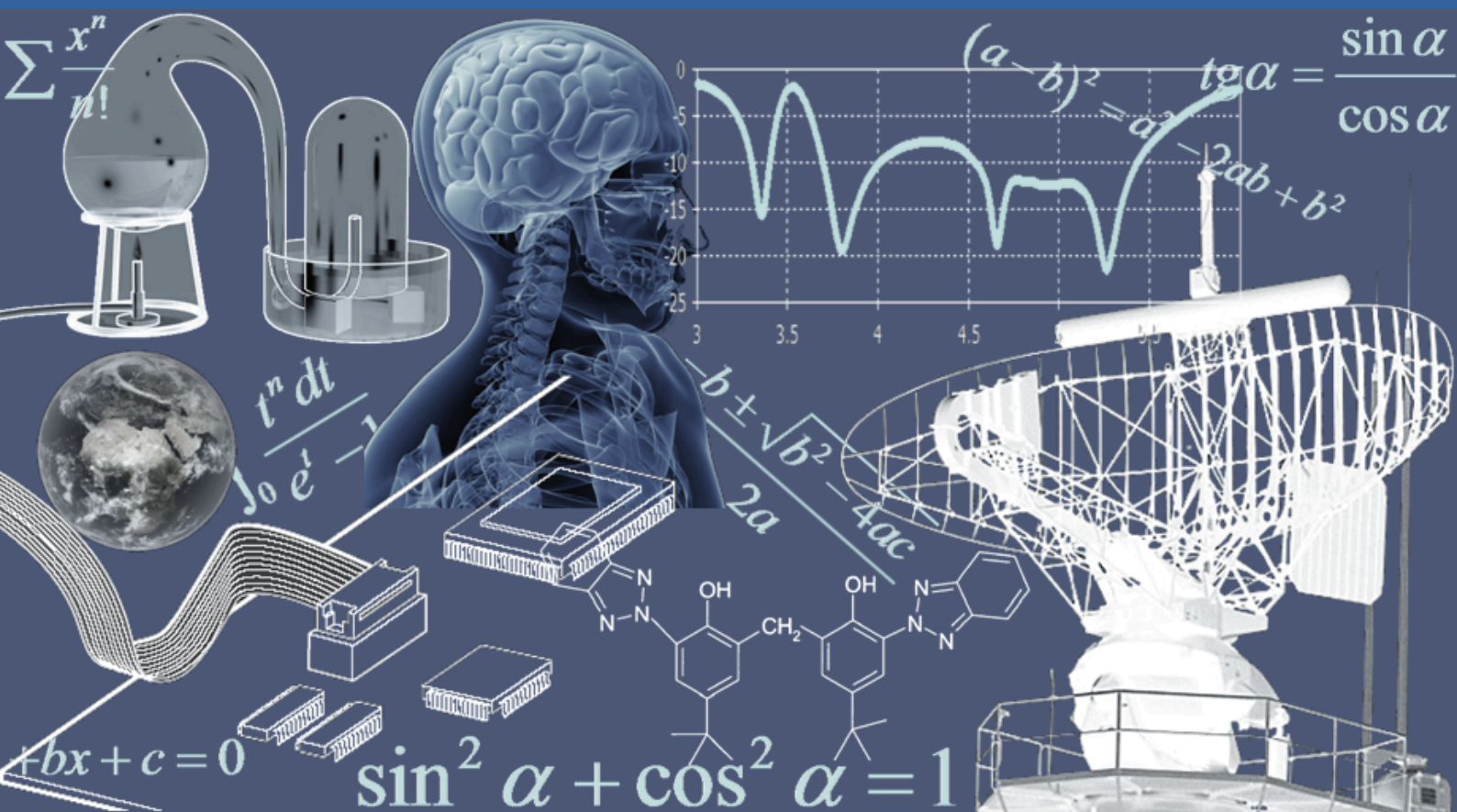


INTERNATIONAL JOURNAL OF INNOVATION AND APPLIED STUDIES

Vol. 38 N. 1 November 2022



International Peer Reviewed Monthly Journal



International Journal of Innovation and Applied Studies

International Journal of Innovation and Applied Studies (ISSN: 2028-9324) is a peer reviewed multidisciplinary international journal publishing original and high-quality articles covering a wide range of topics in engineering, science and technology. IJIAS is an open access journal that publishes papers submitted in English, French and Spanish. The journal aims to give its contribution for enhancement of research studies and be a recognized forum attracting authors and audiences from both the academic and industrial communities interested in state-of-the art research activities in innovation and applied science areas, which cover topics including (but not limited to):

Agricultural and Biological Sciences, Arts and Humanities, Biochemistry, Genetics and Molecular Biology, Business, Management and Accounting, Chemical Engineering, Chemistry, Computer Science, Decision Sciences, Dentistry, Earth and Planetary Sciences, Economics, Econometrics and Finance, Energy, Engineering, Environmental Science, Health Professions, Immunology and Microbiology, Materials Science, Mathematics, Medicine, Neuroscience, Nursing, Pharmacology, Toxicology and Pharmaceuticals, Physics and Astronomy, Psychology, Social Sciences, Veterinary.

IJIAS hopes that Researchers, Graduate students, Developers, Professionals and others would make use of this journal publication for the development of innovation and scientific research. Contributions should not have been previously published nor be currently under consideration for publication elsewhere. All research articles, review articles, short communications and technical notes are pre-reviewed by the editor, and if appropriate, sent for blind peer review.

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

Amir Samimi, Ph.D. of Science in Chemical engineering, Process Engineer & Risk Specialist of Oil and Gas Refinery Company, Iran
Mahsa Ja'fari, Department of Chemical Engineering, Abadan Faculty of Petroleum, Petroleum University of Technology, Abadan, Iran
Alin Velea, Paul Scherrer Institute, Switzerland
Kamyar Hasanzadeh, Aalto University, Finland
Ogbonnaya N. Chidibere, University of East Anglia, United Kingdom
Oumair Naseer, University of Warwick, United Kingdom
Wei Zheng, University of Texas Health Science Center at San Antonio, USA
Hu Zhao, University of Southern California, USA
Haijian Shi, Kal Krishnan Consulting Services, Inc, USA
Syed Ainul Abideen, University of Bergen, Norway
Malika Maataoui, Mohammed V University, Morocco
Fabio De Felice, University of Cassino and Southern Lazio, Italy
Giovanni Leonardi, Mediterranea University of Reggio Calabria, Italy
Siham El Gouzi, Instituto Andaluz de Ciencias de la Tierra, Spain
Mohamed KOSSAÏ, European Business School EBS Paris, France
Mustafa Batuhan AYHAN, Marmara University, Turkey
Andrzej Klimczuk, Warsaw School of Economics, Poland
Corinthias P. M. Sianipar, Tokyo University of Science, Japan
Irfan Jamil, Sinohydro Engineering, China
Sukumar Senthilkumar, Chonbuk National University, South Korea
Bratu (Simionescu) Mihaela, Bucharest University of Economic Studies, Romania
Mirela Maria Codescu, National Institute for R&D in Electrical Engineering ICPE-CA, Romania
Milen Zamfirov, St. Kliment Ohridski Sofia University, Bulgaria
Svetoslava Saeva, Neofit Rilski South-West University, Bulgaria
Dimitris Kavroudakis, University of the Aegean, Greece
Vaitsa Giannouli, Aristotle University of Thessaloniki, Greece
Nataša Pomazalová, Mendel University in Brno, Czech Republic
Hazem M. Shaheen, Damanhour University, Egypt
Shalini Jain, Manipal University Jaipur, India
Amin Jula, National University of Malaysia, Malaysia
Mahdi Moharrampour, Islamic Azad University, Buin zahra Branch, Iran
Ricardo Rodriguez, Technological University of Ciudad Juarez, Mexico
Yuniel E. Proenza Arias, Universidad de las Ciencias Informáticas, Cuba
Elizabeth Bissell Miller, University of Missouri, Columbia
Bertin Désiré SOH FOTSING, University of Dschang, Cameroon
Antonella Petrillo, University of Cassino and Southern Lazio, Italy
Hong Zhao, The Pennsylvania State University, USA
Jianjun Chen, The University of Chicago, USA
Shaju George, Royal University for Women, Kingdom of Bahrain
Chandrasekaran Subramaniam, Kumaraguru College of Technology, India
Ilango Velchamy, New Horizon College of Engineering, India
M. Kumaresan, M.P.N.M.J. Engineering College, India
Mohammad Valipour, University of Tehran, Iran
Mohameden Sidi El Vally, King Khalid University, KSA
Mona Hedayat, Boston Children's Hospital, Harvard Medical School, USA
Suresh Kumar Alla, Advanced Medical Technologies, BD Technologies, USA
Ahmed Hashim Mohaisen Al-Yasari, Babylon University, Iraq
Aziz Ibrahim Abdulla, Tikrit University, Iraq
Khalid Mohammed Shaheen, Technical College of Mosul, Iraq
Baskaran Kasi, Kuala Lumpur Infrastructure University College, Malaysia
Nurul Fadly Habidin, Universiti Pendidikan Sultan Idris, Malaysia
Adnan Riaz, Allama Iqbal Open University, Pakistan
Syed Noor Ul Abideen, KPK Agricultural University, Pakistan
Arab Karim, M'Hammed Bougara University of Boumerdes, Algeria
Zoubir Dahmani, UMAB University of Mostaganem, Algeria
Mohsen Brahmi, Sfax University, Tunisia
Mongi Besbes, University of Carthage, Tunisia
Mai S. Mabrouk, Misr University for Science and Technology, Egypt
Olfat A Diab Kandil, Misr University for Science and Technology, Egypt

Munir Ahmed G. Timol, Veer Narmad South Gujarat University, India
Saravanan Vasudevan, Arunai Engineering College, India

Table of Contents

Système de Référence des Centres de Santé vers l'Hôpital Général de Référence de Bwamanda RDC de Septembre à Novembre 2021	1-10
<i>Pascal LENGA WALE, Joly BOFIO NAGENEGO, Annette MBILISI LISAMBO, Judith DIEKEMBE MANIAMA, and Daniel Matili Widobana</i>	
Déterminants de la consommation d'alcool par les femmes enceintes dans la zone de santé de Gemena: De Janvier à Juin 2022 (RD Congo)	11-17
<i>Chérubin Sangi Kelamose and Daniel Matili Widobana</i>	
Facteurs de risque associés à la tuberculose multi résistante dans la zone de santé de Nanza, PROVINCE du Kongo Central en République Démocratique du Congo	18-32
<i>C. Bavenga Bavenga, H. Mondongo, A. Umba Mbuji, and Nlandu Khonde Alphonse</i>	
Constructions stratifiées des logements des quartiers Kauka et Yolo-Nord dans la commune de Kalamu: Indices de ségrégation du cadre de vie	33-50
<i>M. Sylvain Mavinga</i>	
Relevé des facteurs de motivation de la consommation de la boisson alcoolique par les jeunes de 18 à 35 ans: Cas de la cité de Gemena (RDC 2020-2021)	51-55
<i>Chérubin Sangi Kelamose and Daniel Matili Widobana</i>	
Prévalence de la Schistosomiase à Schistosoma Haematobium chez les patients avec Hématurie: Cas de Centre de Santé de Référence Mabuilu de Nsioni, Territoire de Lukula, Province du Kongo Central en République Démocratique du Congo	56-61
<i>Nlandu Khonde Alphonse</i>	
Evaluation des conditions de travail du personnel scientifique au sein de l'Institut Supérieur des Techniques Médicales de Gemena en RDC: De 2020 à 2021	62-70
<i>Daniel Matili Widobana</i>	
Caractérisation hydrogéochimique de l'aquifère de Samba Dia (Centre-Ouest du Sénégal)	71-85
<i>Amadou Sarr, Seyni NDOYE, and Serigne Faye</i>	
Vérification de la méthode de dosage sérique et urinaire du Glucose par méthode enzymatique à l'hexokinase sur l'automate Alinity au laboratoire de biochimie-CHU Ibn Rochd de Casablanca, Maroc	86-92
<i>D. Benzekri, A. Boujmad, Morjan Asmaa, and N. Kamal</i>	
Vente de poissons et autonomisation des femmes dans la ville de Bouaké	93-103
<i>Dosso Yaya</i>	
Transport et développement: Apport du centre régional de formation pour entretien routier (CERFER) à l'employabilité et à l'insertion professionnelle des jeunes sans métier au Togo	104-119
<i>Mayébinasso Agbamaro, Alilou Tchafaram, Koku Avougla, and Damitonou Nanoini</i>	
Essai de l'extraction artisanale de l'huile d'arachide (Arachis Hypogea) en ville de Butembo, RD Congo	120-130
<i>Kavugho Tasi Espérance</i>	
Caractéristiques de la triade néoprotérozoïque dans la partie nigérienne du bassin du Gourma, région de Firgoun (Ouest Niger)	131-145
<i>Diafarou Alzouma Amadou and Moussa Konaté</i>	
Diagnostic cytologique des maladies de surcharges: Expérience du laboratoire d'Hématologie Centre Hospitalier Universitaire Ibn Rochd de Casablanca	146-150
<i>Rachid Elfaiz, Hanae Bencheref, and Bouchra Oukkache</i>	
Mode de répartition spatiale des trois espèces Ficalhoa laurifolia, Ocotea usambarensis et Piptadeniastrum africanum dans la Réserve Forestière de Kalikuku, Province du Nord-Kivu, RD Congo	151-168
<i>Paluku Nzenda Gilbert</i>	
Analysis of risk factors for stroke in Kinshasa, Democratic Republic of Congo	169-176
<i>Salakiaku Luntadila Djani and Jean Nyandwe Kylola</i>	
Revitalisation du quartier Lumumba dans la ville de Butembo au Nord-Kivu (RD Congo)	177-186
<i>Isaac Djurua Uzimati, Gloire Ntondele Kibala, Moïse Musubao Kapiri, Benjamin Kakule Kaniki, Kambale Muhesi Eloge, and Walere Muhindo Sahani</i>	

Intégration du Logiciel Banana Comptabilité en Section Commerciale et Gestion dans les Ecoles de la Sous-Division Lubumbashi 1	187-196
<i><u>KITENGE KALUME DEOGRATIAS, Mandela Nsengiyumva David, and Muleka Kipanga Celestin</u></i>	
Amélioration des caractéristiques mécaniques des briques comprimées par ajout de cendres de bois	197-204
<i><u>K. A. Kouassi, L. M. Thieblessou, A. S. Djomo, and A. C. Djohore</u></i>	
Etat de lieu de la pisciculture autour du périmètre riverain du Parc National de Virunga (PNVi), en territoire de Rutshuru, RD Congo	205-219
<i><u>Bendera Wanzire Makinda, Vincent Nsabimana B. Ndugutse, and Katembo Kitima Jean-Baptiste</u></i>	