

International Journal of Engineering Research and Applications (IJERA)

Editor-In-Chief

Prof. Manju Sharma

Editorial Board Members

Dr. Hadi Arabshahi, Iran	A. K. M Nazmus Sakib, Bangladesh
Dr. Eugen Axinte, Romanian	Dr. Rao, P.hd, USA
Dr. Yaduvir Singh, India	Dr. Aknuas William, Australia
Dr. Shahram Jamali, Iran	

Associate Editorial Board members

Sukumar Senthil Kumar Universiti Sains Malaysia, School of Mathematical Sciences, Malaysia	Dr. Prasanta K Sinha Durgapur Institute of Advanced Technology & Management, Durgapur
Dr. Bensafi Abd-El-Hamid Abou Bekr Belkaid University of Tlemcen, Algeria Tamilnadu, India	Dr. A.V.Senthil Kumar Director, MCA depart, Hindusthan College of Arts and Science,
Dr. Prasanta K Sinha Deputy Director, Durgapur Institute of Advanced Technology & Management, West Bengal	Dr. Suresh Prasad Singh H.O.D.(Chemical Engineering), B. I. T. Sindri, Dhanbad
Hari Mohan Pandey Middle East College of Information Technology, Under Coventry University, U.K.	Patrick Tiong Liq Yee Universiti Teknologi Malaysia, Malaysia,
Dr. V S Giridhar Akula Professor and Principal, Avanthi's Scientific Technological and Research Academy (JNTU), Hyderabad	Dr. Santosh K. Pandey Department of Information Technology Board of Studies, The Institute of Chartered Accountants of India

Contact Details

Ukraine Office
First floor, ST Street,
Ivano-Frankivsk, 76008, Ukraine

India Office
SC-89, Shastri Nagar,
Ghaziabad, UP, India

Email: ijera.editor@gmail.com
Website: www.ijera.com



International Journal of Engineering Research and Applications (IJERA)

Volume 14 - Issue 04
April 2024

Peer Reviewed Refereed Journal



All Papers are indexed in Index Copernicus



International Journal of Engineering Research and Applications (IJERA)

Volume : 14 Issue : 04

ISSN : 2248-9622

April 2024

Contents :

An Approach for Digital Image Forgery Detection	01-05
Effects of pH and Temperature on the Enzymatic Hydrolysis of Barley Malt	06-08
A Review Mivan Technology	09-15
Study the Effect of Speed, Impinging Angle and Slurry Concentration on Erosion of Stainless Steel 316L	16-24
Effect of Friction Stir Welding Parameters on the Joint Efficiency of the Weldments for High Strength Aluminum Alloys (2024 T351,7075 T651)	25-35
The Impact of Virtual Teaching and Artificial Intelligence on the Interior Design Field	36-43
Results and Solutions for Unit Corrosion Breakdowns	44-56
Designing a Dual band 4X4 MIMO Antenna for Optimized Performance in 5G Mobile Devices	57-66
Machine Learning Approach to identify Sugarcane Crop grown area with Satellite Imagery using Soft Computing	67-71
Hybrid fibre reinforced geopolymer concrete: An eco friendly construction material	72-78
Use of Machine Learning and Artificial Intelligence in Food Spoilage Detection	79-85
Preparation of Papers for International Journal of Engineering Research and Applications	86-92
Geopolymer Paver Blocks Using Fly Ash, Rice husk Ash & Coconut fiber: A Sustainable Construction Material	93-99
The Effects of Technology and Interior Design on Art and Design Students' Skills	100-108
Save Energy by Using a Heat Exchanger Network (Aspen Energy Analyzer)	109-142