

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 10 - Issue 8
August - 2020**



All Papers are indexed in Index Copernicus



International Journal of Engineering Research and Applications (IJERA)

Volume : 10 Issue : 8 Series-3

ISSN : 2248-9622

August - 2020

Contents :

- | | |
|--|--------------|
| Design and Performance Analysis of Stand Alone Solar Photovoltaic System of Distributed Generation <i>Abhay Chauhan, Ahmad Faiz Minai, Md. Naseem</i> | 01-08 |
| Economic Activity Nodes Allocation in Amman Master Plan: the Effect on Employment System Efficiency <i>Nabeel Yusuf Alkurdi</i> | 09-16 |
| Study on Replacement of Alum with Aloe Vera Gel in Turbidity Removal <i>K Srikanth</i> | 17-19 |
| High-Efficiency Bridgeless Dual-Mode Single Phase Resonant ACDC Converter with PI Controller <i>Monica S, Dr. P Usha</i> | 20-28 |
| New Switch Ladder Modified H-Bridge Multilevel Inverter with Sinusoidal Pulse Width Modulation Approach <i>Darshan Hallur</i> | 29-52 |
| Index of biological integrity and its research progress in aquatic ecosystem health <i>Yixin Xu, Zhao Liu, Xiaoling Hu, Huayong Zhang</i> | 53-56 |
| Speech to Speech Translating (S2ST) System using ASR and TTS Techniques for Indian languages (English to Telugu or Tamil) <i>L. MOUNIKA, Prof. B.V.S.S.N.RAJU</i> | 57-61 |
| Performance Analysis of Solar PV based Flying Capacitor Multilevel Inverter using MATLAB/Simulink <i>SM Asmer Saeed Kazmi, F. A. Khan, P. R. Sarkar, A. F. Minai</i> | 62-66 |