

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



# International Journal of Engineering Research and Applications (IJERA)

**Volume 11 - Issue 6  
June 2021**



*All Papers are indexed in Index Copernicus*



# International Journal of Engineering Research and Applications (IJERA)

Volume : 11 Issue : 6 Series-5

ISSN : 2248-9622

June-2021

## Contents :

- |  |              |
|--|--------------|
| <b>Assessment of Safety for Construction Project- Case Study</b><br><i>Rohini Popat Chaudhari, Prof. P. M. Attarde</i>   | <b>01-05</b> |
| <b>Design of a 27 Level Hybrid Inverter for Solar Photovoltaic Application</b><br><i>Ashwani Singh, Mr Swatantra Singh Verma</i>   | <b>09-13</b> |
| <b>River Flooding Detection and GINI Tree Generation</b><br><i>D. Gayathri, P. Laxman, N.Anudeep</i>   | <b>14-17</b> |
| <b>Variable Gain Switched Capacitor Multilevel Inverter for Drive Applications</b><br><i>Elsa Susan Jacob, Prof. Beena M Varghese, Dr. Bos Mathew Jos, Prof. Babu Thomas</i> | <b>18-23</b> |
| <b>V2G and G2V Energy Transfer via Bidirectional Converter</b><br><i>Prachi Tripathi, Rashmi Agarwal</i>   | <b>24-30</b> |
| <b>Hybrid Food Recommender System based on cancer beating score of ingredients</b><br><i>Rajendra Pawar, Shruti Gupta, Harshaan Arora, Jash Mehta, Arya Patil</i>            | <b>31-34</b> |