

# 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 9 - Issue 10  
October 2019**



*All Papers are indexed in Index Copernicus*



# International Journal of Engineering Research and Applications (IJERA)

Volume : 9 Issue : 10 (Series - I)

ISSN : 2248-9622

October - 2019

## Contents :

<b>Evaluating Distance Education Programme Using Stufflebeam Cipp Model: University Of Buea Cameroon</b> <i>Jitzi Samuel Ngala, Grace Mbepwo Fongod, Tambe Joseph Orock, Besong Mark Ayuk, Emilia Abirabe Njenwi</i>	01-15
<b>Soft intuitionistic fuzzy sets with some new operations</b> <i>Deepak Kumar, Anita Kumari</i>	16-22
<b>The effect of air temperature conditions on mechanical strength, porosity, permeability, chloride diffusion and dimensional variations of concrete</b> <i>K. Lagrini, A. Chafiri, A. Ouali</i>	23-29
<b>Productivity improvement in a polishing sector of a metallurgical industry with MASP application</b> <i>Ederson Benetti Faiz, José de Souza, Alexandre Beluco, Jorge Luis Braz Medeiros, Frederico Sporket</i>	30-37
<b>Volatile profile of green and ripe curriola fruit [<i>Pouteria ramiflora</i> (Mart.) Radlk</b> <i>Thais Hernandez, Luiz José Rodrigues, Heloisa Helena Siqueira Elias, Mário César Guerreiro, Eduardo Valério de Barros Vilas Boas</i>	38-45
<b>Detection of Spam Mail Using Naïve Bayesian Theorem without Vector Method</b> <i>Ankur Sharma, Sohiti Agarwal</i>	46-48
<b>A Hybrid Approach for Classification of Face Detection using LBP over Machine Learning</b> <i>Nitish Rasgotra, Sohiti Agarwal</i>	49-57
<b>Prediction of Warehouse Demand Using Various Time Series Method</b> <i>Himmat Singh Bhati, Sohiti Agarwal</i>	58-60
<b>An Efficient Approach to Detect &amp; Prevent the Tunneling Attack through Hybrid Algorithm in Wireless Sensor Network under IAODV Protocol</b> <i>Somya Gupta, Chanchal Sharma</i>	61-66
<b>Advances in research on health assessment methods of aquatic ecosystems</b> <i>Yixin Xu, Xing He, Chenfeng He, Weigang Xu, Hai Huang</i>	67-70
<b>Study on Strength Characteristics of Ground Granulated Blast Furnace Slag Modified Fiber Reinforced Concrete</b> <i>A. Srinivasa Varma, V. Chanakya Varma, M. Venkata Rao, T. Vamsi Nagaraju</i>	71-74
<b>Real Time Implementation of Nn-Based Aes</b> <i>Fadhel. M. Almusailikh, Mohamed. K. Shousha</i>	75-78