



# International Journal of Engineering Research And Development

PEER REVIEWED JOURNAL



# International Journal of Engineering Research And Development

PEER REVIEWED JOURNAL

e-ISSN : 2278-067X

Volume 17, Issue 3

p-ISSN : 2278-800X

## International Journal of Engineering Research and Development (IJERD)

IJERD : Editorial Board

Editorial Board Members:

- Dr. H. U. Akay - Purdue University at Indianapolis (IUPUI)  
Dr. Martin P. Bendsoe - Technical University of Denmark  
Dr. F. Brezzi - University of Pavia, Italy  
Dr. M.D. Castellano - University of Zaragoza, Spain  
Dr. J. S. Chen - University of California  
Dr. A. Combescure - National Institute of Applied Science, France  
Dr. J. Fish - Rensselaer Polytechnic Institute  
Dr. D. K. Gartling - Engineering Sciences Center, Sandia National Laboratories  
Dr. S. Ghosh - Ohio State University  
Dr. S. Gopalakrishnan - Indian Institute of Science, India  
Dr. I. Harari - Tel Aviv University, Israel  
Dr. Ping Hu - Dalian University of Technology, China

Associate Editorial Board Member:

- Dr. S. R. Idels hn - Korea Advanced Institute of Science & Technology, Korea  
Dr. S. Im - Argentinean Association for Computational Mechanics (AMCA), Santa Fe, Argentina  
Dr. Y. Jaluria - Lulea University of Technology  
Dr. W. Kanok - Nukulchai - Asian Institute of Technology, Thailand  
Dr. Tarun Kant - Indian Institute of Technology, India  
Dr. K. M. Liew - City University of Hong Kong, Hong Kong  
Dr. L. E. Lindgren - Rutgers, the State University of New Jersey  
Dr. H. A. Mang - Technical University of Wien Karlsplatz, Austria  
Dr. Shaker A. Meguid – Univ. Politecnica de Catalunya, Spain  
Dr. C. A. Mota Soares - University of Toronto, Canada  
Dr. S. Mukherjee - National Taiwan University, Taiwan  
Dr. E. Onate - Technical University of Lisbon Polo I.S.T., Portugal  
Dr. M. Papadrakakis – National Technical University of Athens, Greece  
Dr. Glauco Paulino – University of Illinois at Urbana-Champaign  
Dr. Elio Sacco - University of Minnesota University of Cassino, Italy  
Dr. B. A. Schrefler - University of Padova, Italy  
Dr. K. Tamma - University of Cassino, Italy  
Dr. Y. B. Yang - Cornell University

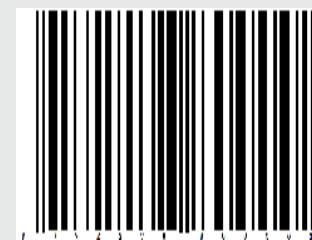
Editor-in-Chief

International Journal of Engineering Research and

Development(IJERD)

E-mail: ijerd@editormails.com

Website: www.ijerd.com



## Contents :

- Ambient Air Quality Monitoring In the Nighbourhood of Thermal Power Stations at Neyveli 01-04  
Mr.D.Sukumar, Dr.S.Bhakiyaraja, Dr.S.Palanivelraja

- A New Analytical Approach for the Outage Probability and Ergodic Capacity of Cloud Radio Access Networks Using Generalized Nakagami-n Fading Channel Model 05-11  
Ayad N. Bihnam

- Design of an ANFIS based MPPT controller for a solar photovoltaic system under partial shading condition 12-20  
S. Saranya, Bibhuti Bhushan Rath, P. Guruvulu Naidu

- The Investigation Of An Optimal Work-Rest Schedule For Vdt Operators 21-27  
Ahmed T. Soliman, Abdelaty E. Abdelgawad, Mohamed Z. Ramadan

- Experimental Characterisation of Ablative properties of Carbon Phenolic Composites by addition of Carbon Nano Particles 28-34  
Dr. N. Kishore Nath, Sangita Rao Achary A

- An Image-based Locator for Detecting Regions of Disease-Related Patterns with Color Visualization of Shape in Medical Imaging 35-42  
Peifang Guo

- Geology and Precambrian Banded Iron Formation formed at Rangpur Platform in Bangladesh 43-57  
Mohammed Masum, Mohammed Nurul Hoque, Md. Ali Akbar, Zobayer Mahmud, Md. Sohel Rana, Md. Abdur Razzaque, Md. Al Amin