



www.ijmra.us

February 2016
Volume-4, Issue-2

Impact Factor (IJESR) 3.847 for 2013 and 4.961 for 2014



IJESR

(ISSN: 2347-6532)

**INTERNATIONAL JOURNAL
OF
ENGINEERING & SCIENTIFIC RESEARCH**

- editorijmie@gmail.com
- info@ijmra.us
- www.ijmra.us





Chief Patron

Dr. JOSE G. VARGAS-HERNANDEZ

Member of the National System of Researchers, Mexico

Research professor at University Center of Economic and Managerial Sciences,
University of Guadalajara
Director of Mass Media at Ayuntamiento de Cd. Guzman
Ex. director of Centro de Capacitacion y Adiestramiento

DR. RAMACHANDRAN GURUPRASAD

Scientist, Knowledge and Technology Management Division (KTMD),
National Aerospace Laboratories.

Patron

Dr. Mohammad Reza Noruzi

PhD: Public Administration, Public Sector Policy Making Management,
Tarbiat Modarres University, Tehran, Iran
Faculty of Economics and Management, Tarbiat Modarres University, Tehran, Iran
Young Researchers' Club Member, Islamic Azad University, Bonab, Iran

Chief Advisors

Dr. NAGENDRA. S.

Senior Asst. Professor,
Department of MBA, Mangalore Institute of Technology and Engineering, Moodabidri

I Wayan Suryasa

Doctor of Linguistics Program, Udayana University,
Linguistics Lecturer (STIMIK-STIKOM Bali), Translator (Indonesian Translator Association)
Researcher of Local Languages Researcher Association
Certified Doctor of Linguistics Program in Udayana University Bali

Dr. SUNIL KUMAR MISHRA

Associate Professor,
Dronacharya College of Engineering, Gurgaon, INDIA

Mr. GARRY TAN WEI HAN

Lecturer and Chairperson (Centre for Business and Management),
Department of Marketing, University Tunku Abdul Rahman, MALAYSIA

MS. R. KAVITHA

Assistant Professor,
Aloysius Institute of Management and Information, Mangalore, INDIA



Dr. A. JUSTIN DIRAVIAM

Assistant Professor,
Dept. of Computer Science and Engineering, Sardar Raja College of Engineering,
Alangulam Tirunelveli, TAMIL NADU, INDIA

Dr. Krishan kumar

Dean,
School of Life Sciences, Singhania University Rajasthan, INDIA

Dr. G. D. Singh

Certified Manager - Cambridge Association of Managers, England,
Founder & President, The Indian Management Academy - IMA

Dr. Sorinel Capusneanu

Associate Professor,
Faculty of Finance and Accounting, "ARTIFEX" University, Bucharest, ROMANIA

Benard Okelo Nyaare

Assistant Lecturer,
Bondo University College, Bondo, KENYA

Dr. Meenakshi Gupta

Assistant Professor,
Shri Mata Vaishno Devi University- Katra, INDIA

Editor-in-chief

Dr Basant Kumar

Computer Science and Mathematics Department,
Modern College of Business & Sc ,
(Affiliated with University of Missouri, St.Louis, USA Center for Graduate Studies &
Franklin University, Ohio, USA) , Muscat, Sultanate of Oman

International Editorial Board

S.SUBHASHINI

Assistant Professor,
Sasi Creative School of Business, Coimbatore, INDIA

Gurudatt Kulkarni

Lecturer in Electronics & Telecommunication Dept.,
Marathwada Mitra Mandal's Polytechnic, Pune, INDIA



Dr. Mohammad Akram

lecturer,
Jazan University, Kingdom of Saudi Arabia

Prof. Richard Remedios

Principal,
S.V.E.T Commerce & BBA College, Jamnagar, INDIA

Dr. Ravi Kumar Bommiseti

Senior Lecturer,
Sree Vidyanikethan Engineering College, Sree Sainath Nagar, Andhra Pradesh - I N D I A

Prof. (Dr.) Anand Kumar Tripathi

Director,
Ishwarchand Vidya Sagar Institute of Technology (IVSIT-239), Mathura (UP) , INDIA

Dr. Vijay Kantilal Chavada

Associate Professor, Dept of Community Medicine,
Indira Gandhi Medical College & Research Institute, Vazhudawur Road, Pondicherry, INDIA

Shailendra Kumar Dewangan

Assistant Professor, Department of Electronics & Instrumentation Engineering,
Chhatrapati Shivaji Institute of Technology (CSIT), Durg, INDIA

Dr. Malik Amer Atta

Assistant Professor,
Gomal University , Pakistan

Shubhendu S. Shukla

Asst professor,
SR Group of Institutions, Lucknow, INDIA

Dr. M. Jaya

H.O.D.,
Asan Memorial College of Arts & Science, Chennai. INDIA

Amar Saraswat

Assistant Professor,
Dronacharya College Of Engineering, Gurgaon, INDIA

Dr. M.Ganesh Babu

Associate Professor,
Acharya Institute of Technology, Bangalore, VTU University, Belgaum, INDIA

Shekhar. R

Asst. professor, Department of Computer Science,
Alliance College of Engineering & Design[ACED], ALLIANCE_UNIVERSITY, INDIA



Technical Advisors

Mr. Rajan Verma

Lecturer, Department of Computer Science, Ambala, INDIA

Mr. Ankit Jain

Department of Chemical Engineering, NIT Karnataka, Mangalore, INDIA

Mr. Anil Chandra

Department of Biotechnology, Indian Institute of Technology Guwahati, Assam, INDIA

Prof. Bharati Veerendra

Asst. Professor - MCA, K. J. Somaiya's SIMSR., univeristy of Mumbai, Mumbai, INDIA

Mr. Gagandeep Singh

Department of Biotechnology, Kurukshetra University, Kurukshetra, INDIA

Associate Editors

Dr. SANJAY J. BHAYANI

Associate Professor ,Department of Business Management, RAJKOT, INDIA

MOID UDDIN AHMAD

Assistant Professor, Jaipuria Institute of Management, NOIDA

Dr. SUNEEL ARORA

Assistant Professor, G D Goenka World Institute, Lancaster University, NEW DELHI

Mr. P. PRABHU

Assistant Professor, Alagappa University, KARAIKUDI

Mr. MANISH KUMAR

Assistant Professor, DBIT, Deptt. Of MBA, DEHRADUN

Mrs. BABITA VERMA

Assistant Professor, Bhilai Institute Of Technology, DURG

Ms. MONIKA BHATNAGAR

Assistant Professor, Technocrat Institute of Technology, BHOPAL

Ms. SUPRIYA RAHEJA

Assistant Professor, CSE Department of ITM University, GURGAON



International Journal of Engineering & Scientific Research

(ISSN: 2347-6532)

CONTENTS

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No.
<u>1</u>	Variation Of Thiocyanate Levels In Processed Red And Brown Varieties Of Finger Millet (Eleusine Coracana). Chebet, S.J,Murungi, J.I And Nawiri, M.P	<u>1-9</u>
<u>2</u>	Analysis And Simulation Of Wideband Fractal Antenna Using Slow Wave Type Defected Ground Structure. Smrity Dwivedi	<u>10-19</u>
<u>3</u>	Some Results On Sub-Riemannian Geometry. Sarika M. Patil And T. Venkatesh	<u>20-31</u>
<u>4</u>	Properties And Parameter Estimations For The New Exponentiated Weibull Pareto Distribution. Abdallah M. Badr And Hamdy M. Salem	<u>32-43</u>
<u>5</u>	Transient Analysis And Random Vibration Analysis Of Titanium Wheel Under Radial Load. Prof. Sandeep Sharma,Mohit Gaba And Narinder Singh	<u>44-53</u>
<u>6</u>	Review On Synthesis, Characterization & Biomedical Applications Of Graphene. Prianka Sharma	<u>54-71</u>
<u>7</u>	A Review of Power Quality Improvement Using Unified Power Flow Controller. Mayank Tyagi And Sandeep Tiwari	<u>72-85</u>
<u>8</u>	A Comparative Study Of Biomass And Lipid Accumulation In Dunaliella Salina And Chlorella Vulgaris Under Different Nitrogen Sources For Biodiesel Production. Sasireka. G And Muthuvelayudham.R	<u>86-96</u>
<u>9</u>	Design And Development Of Simplified Road Cleaning Machine With Modified Technology Suitable To Indian Environment. A V V Mukesh And Dr. M Varaprasada Rao	<u>97-124</u>
<u>10</u>	Geo-Engineering Properties Of Fly Ash. G.Hathiram And Prof.B.Sesha Sreenivas	<u>125-144</u>
<u>11</u>	A Novel Variant Of Function Point Analysis For Accurate Software Size Estimation. Arpit Dhakad And Anand Singh Rajawat	<u>145-152</u>