



www.ijmra.us

May 2015
Volume-3, Issue-5

Impact Factor for 2013 (IJESR) = 3.847



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

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>	Applied Geographical Information System (GIS) and Remote Sensing: Predicting the current and future distribution of malaria hazard using the ecological niche models. Farai Madzimore	<u>1-7</u>
<u>2</u>	The effects of disturbances (fire, grazing) on tree density in a livestock rangeland in a savanna ecosystem. Farai Madzimore	<u>8-16</u>
<u>3</u>	Using spectral vegetation index (NDVI) to classify the rangeland in terms of vegetation cover and wildlife habitat suitability. Farai Madzimore	<u>17-26</u>
<u>4</u>	Purified Compound 4,8-Dihydroxybenzo(De)Chromen-2(4h)-One From Caesalpinia Coriaria (Jacq) Willd - Induced Caspases Activity Related To Apoptosis In A-549 Cells. D.Anandhi and K.Revathi	<u>27-33</u>
<u>5</u>	Optimization of Biodegradation of Anthracene by Corynebacterium sp and Pseudomonas putida. Azeez Taofik Oladimeji, Owabor Chiedu Ngozi, Nwakaudu Madueke Stanley and Usondu Nnamuzie Francis	<u>34-47</u>
<u>6</u>	A Review on Pharmacological activities of some Mannich Bases. M.R. Abdullahi, I.A Bala, A.I. Darma and A.T. Adamu	<u>48-66</u>
<u>7</u>	A Review On Manet: Attacks On It & Need Of Security. Ashish Aggarwal, Anshu Chauhan and Ms. Shabnam Sangwan	<u>67-76</u>
<u>8</u>	Use of Information Resources and Services by Marine Science faculty in South India: A Study. Maranna O	<u>77-85</u>
<u>9</u>	Sustainable Development of Building Integrated Photovoltaic Facade Technology. MS T.N Brinda and E.Prasanna	<u>86-100</u>
<u>10</u>	Evaluation of concentration of a few Heavy metals in the catchment area of Upper Lake, Bhopal. Ranjana Talwar, Avinash Bajpai and Suman Malik	<u>101-110</u>
<u>11</u>	Arabidopsis thaliana As A Model For Genetic Analysis: A Review. Sani, I and S.B SADAU	<u>111-125</u>
<u>12</u>	Multi Elemental Analysis of mineral soil "Ewoa" used for cooking, cloth washing, etc. in Gurage Zone, Shamene, Ethiopia. T. Tessema Teklemariam, A.K. Chaubey, W. Tsegaye Birhanu, Y.A. Ahmed and M.O.A.Oladipo	<u>126-139</u>
<u>13</u>	A review on Time Series Representation. Kalyani S. Hatwar and Prof. Sagar S. Badhiye	<u>140-146</u>

<u>14</u>	Synthesis and Characterization of Magnesium Carbonate Nanoparticles. R.Hepzi Pramila Devamani, R.Rajalakshmi and M.Ranjani	<u>147-160</u>
<u>15</u>	Power Efficient Low Power Column Bypass Multiplier. Rutesh S. Lonkar, Tushar More and V.R.Barwat	<u>161-168</u>
<u>16</u>	A Neural Networks Approach for Investment Strategy using Data Mining. Hassab Elrasul Y. AL Toum and Mahmoud A. Zaher	<u>169-184</u>
<u>17</u>	Calcium carbonate precipitating yeast on cement concrete. Bharathi N and Meyyappan RM	<u>185-190</u>

