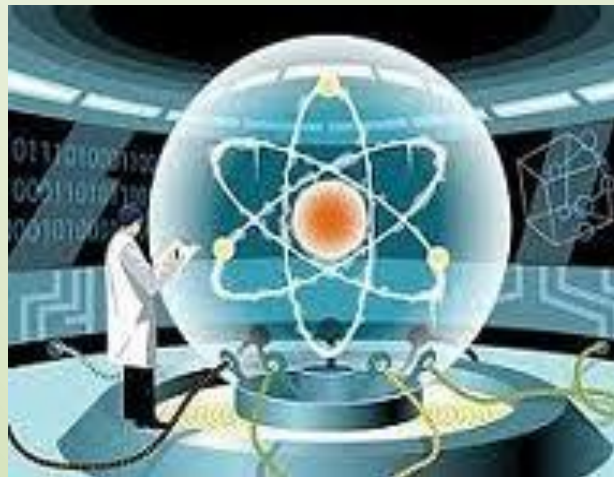


# International Journal of Engineering & Scientific Research

ISSN: 2347-6532



## Contact Us:

[editorijmie@gmail.com](mailto:editorijmie@gmail.com)

[info@ijmra.us](mailto:info@ijmra.us)

[www.ijmra.us](http://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



www.ijmra.us

January 2014  
Volume-2, Issue-1

**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

**CONTENTS**

| Sr. No.   | TITLE & NAME OF THE AUTHOR (S)   | Page No.       |
|-----------|--|----------------|
| <u>1</u>  | <b>An Investigation Into The Role Played By Extension Services On Improving The Livelihoods Of Fast Track Resettled Farmers In Zimbabwe: A Case Of Ward 12, Bubi District In Matabeleland North.</b><br>Chisango future fortune t and Tizora Stanley               | <u>1-14</u>    |
| <u>2</u>  | <b>Molecular Characterization And Genetic Diversity Of Wild And Cultivated Yams (Dioscorea Spp) In Malawi.</b><br>Richard M. Luhanga <sup>1</sup> , Wisdom J. Changadeya <sup>1</sup> and Aggrey J. D. Ambali  | <u>15-34</u>   |
| <u>3</u>  | <b>An Algorithm For Solving A fractional Transportation Problem With Specified Flow.</b><br>Kavita Gupta And S.R. Arora  | <u>35-50</u>   |
| <u>4</u>  | <b>Periodontally Accelerated Osteogenic Orthodontics – An overview.</b><br>Dr. S.srinivasan, DR. V.K.Vijay and DR.G. Ramaprabha  | <u>51-57</u>   |
| <u>5</u>  | <b>Imam Khomeini's Disputes With Bazargan'sinterim Government.</b><br>Dr Davod Kiany   | <u>58-72</u>   |
| <u>6</u>  | <b>Improvement of Gain with Fiber Length and Figure of Merit in Discrete Raman Amplifier.</b><br>Er. Jyoti Dhir, Er. Vivek Gupta   | <u>73-80</u>   |
| <u>7</u>  | <b>Content Analysis of Gender Perspective in Hindi Grammar of V Standard.</b><br>Shavnam Kumari  | <u>81-90</u>   |
| <u>8</u>  | <b>Effects Of Derivitization On Antimicrobial Activity Of Embelin Isolated From Embelia Schimperii Berries.</b><br>Ngari Ann Gathigiaa, Paul Chepkwony Kipronob, Kipkemboi Pius Keroneib and Andrew Ambogo Obalac  | <u>91-100</u>  |
| <u>9</u>  | <b>A Numerical Study on MHD Laminar Mixed Convection in Ducts with Asymmetric Wall Heat Fluxes.</b><br>B. Rama Bhupal Reddy  | <u>101-117</u> |
| <u>10</u> | <b>Robust Image Hashing for Tamper Detection using Non-Negative Matrix Factorization.</b><br>Mrs.Bhate Gauri   | <u>118-130</u> |
| <u>11</u> | <b>Historical Background of Cloud Computing, Study Of Its Standards, Its Computing Solutions and also Study Of Its Fundamentals Concepts Used In Computer Science And Electronics Engineering.</b><br>Er. Rupinderkaur, Er. ManjitThapa and Er. Bhubneshwar Sharma | <u>131-139</u> |
| <u>12</u> | <b>Seamless handover between Bluetooth and WIFI using packet content transfer method.</b><br>Pallavi Dubey   | <u>140-150</u> |