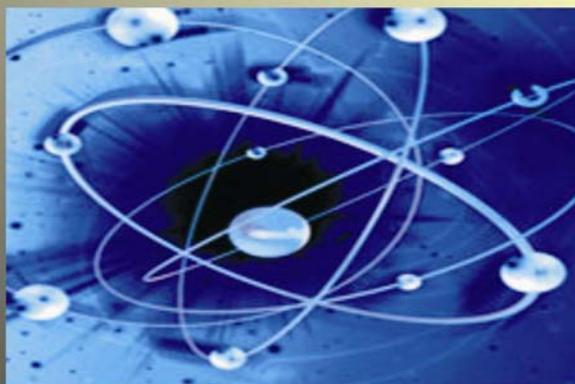
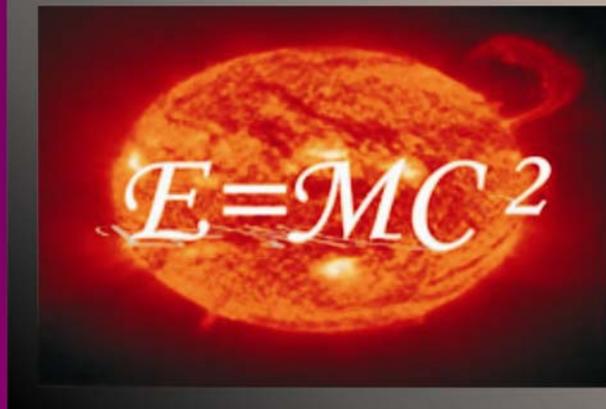




ISSN:2319-6602
*International
Journal of
Chemical and
Physical Sciences*



IJCPS

ISSUE Volume 3, Number 4
July-Aug 2014

www.ijcps.org

PVK Graphics

**An Open Access Online Bimonthly Journal
dedicated to Chemical and Physical Sciences**



Editorial Board of IJCPs

Editor-in-Chief:

Dr. M. E. Shelke

Associate Professor of Chemistry, HVPM College of Engg. & Tech. Amravati, India

Executive Editor:

Er. P. V. Khandve

Assistant Professor in Civil Engineering, Prof Ram Meghe College of Engineering and Management, Badnera.

Editorial Board:

Dr. B. N. Berad

Professor of Chemistry, RTM Nagpur University, Nagpur, India

Dr. D. T. Tayade

Associate Professor of Chemistry, GVIH & S Amravati, India

Dr. R. E. Shelke

Principal, Govt. ITI Daryapur, Amravati, India

Dr. R. R. Deshmukh

Associate Professor of Physics, Institute of Chemical Technology, Mumbai, India

Dr. Dhiman Bhattacharyya

Postdoctoral Associate, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, USA

Dr. Roman Dabrowaski

Head of Organic Chair and Liquid Crystal Laboratory, Military University of Technology, Warsaw, Poland

Bensafi Abd-El-Hamid

Associate Professor of Chemistry and Physics, Abou Bekr Belkaid University of TlemcenTlemcen, Algeria

Dr. Santosh K. Mishra

INTEL TD Senior Process Engineer Scientist, INTEL, D1D Fab, Thin Films module, Hillsboro, Oregon, USA

Dr. R. K. Jadhao

Principal, Scientist Analitika Eco Lab Pvt. Ltc. Gwalior, India

Dr. Ramakrishna Edupuganti

Postdoctoral Research Fellow Cancer Prevention and Research Institute of Texas (CPRIT), University of Texas, Austin, TX

Dr. Arezu Jahanshir

Assistant Professor Bueinzahra Technical University, Department of Physics, Islamic Republic of Iran Kazakh National University, Department of Physics, Almaty, Kazakhstan

Dr. Ho Soon Min

Senior Lecturer & Faculty of Applied Sciences

INTI International University, Persiaran Perdana BBN, Putra Nilai, 71800 Nilai, Negeri Sembilan, Malaysia



Associate Editors:

Dr. R. B. Lanjewar

Associate Professor in Chemistry Dharampeth M.P.Deo Memorial Science College, Nagpur, India

Dr. (Mrs.) M. R. Lanjewar

Associate Professor in Physical Chemistry Department of Chemistry, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, India

Dr. Pushpinder Gupta Bhatia

Associate Professor in Physics

GN College of Arts, Science and Commerce, G.T.B. Nagar, Mumbai-37, India



TABLE OF CONTENT

Paper No.	Title of Paper	Page No.
1]	Efficient and Eco-friendly Synthesis of 1,7-Naphthyridines Author: SRIVASTAVA K.P., SINGH INDU & KUMARI ANUPMA	1-11
2]	Effect of α -Cyclodextrin on 4-Nitro Benzoic Acid And 3, 5 -Dinitro Benzoic Acid Author: A. GLORY PUNITHA, J. PREMA KUMARI, G. ALLEN GNANA RAJ	12-21
3]	RBS and UV-VIS-NIR studies of low energy Mn ⁺ ion implanted in GaAs substrate Author: SHARAD TRIPATHI, S. K. DUBEY	22-28
4]	Thermodynamic Studies Related to the Solvation Chemistry of DI-?-Amino Butyric Acid in Aqueous Solution of Sodium Chloride Author: SANJAY ROY, KALACHAND MAHALI, MANILAL MURMU, BIJOY KRISHNA DOLUI	29-42
5]	Structural, Optical and Morphological Properties of PVA/ Fe ₂ O ₃ nanocomposite thin films Author: VIJAY SHANKAR UPADHYAY, S. K. DUBEY, ARVIND SINGH, SHARAD TRIPATHI	43-48
6]	Study of molecular interactions in Binary Liquid Mixtures at Temperatures 303.15K, 308.15K, 313.15K, and 318.15K Author: M. DURGA BHAVANI, S. SATYAVENI, A. RATNAKAR, CH. KAVITHA, K. NARENDRA	49-53
7]	Cdo Thin Films Fabricated by a Simplified Spray Technique Using Perfume Atomizer with Different Molar Concentrations of Cadmium Acetate for Optoelectronic Applications Author: N. MANJULA, A.R. BALU	54-62
8]	Physico-Chemical Analysis of Ground water of Basti Sadar Block of District Basti, (U.P.), India Author: R.V. PRASAD, D.R. TRIPATHI, V.KUMAR	63-68
9]	Studies on Acoustic Parameters of Ternary Mixture of Dimethyl Acetamide in Acetone and Isobutyl Methyl Ketone using Ultrasonic and Viscosity Probes Author: ASHOK KUMAR DASH, RITA PAIKARAY	69-79
10]	Conducting Behaviour of Polyphenyl Amines Copolymer Author: A.D. BORKAR	80-85