

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



Advisory Board:

Dr. A. S. Aswar

Prof. & Head Department of Chemistry, SGB Amravati University, Amravati, India

Dr. H. M. Meshram

Sr. Principal Scientist, IICT, Hyderabad, India

Dr. P. B. Raghuwanshi

Professor of Chemistry, Brijlal Biyani Science College, Amravati, India

Dr. K. L. Wasewar

Associate Professor, Department of Chemical Engineering, VNIT, Nagpur, India

Dr. F. C. Raguwanshi

Principal, Vidyabharti Mahavidyalaya, Amravati, India

Dr. S. K. Omanwar

Professor & Head, Department of Physics, Sant Gadge Baba Amravati University, Amravati, India

Dr. N. G. Belsare

Associate Professor of Physics, Vidyabharti Mahavidyalaya, Amravati, India

Associate Editors:

Dr. N. R. Thakare

Assistant professor of Chemistry, Shivaji Science College, Amravati, India

Dr. S. S. Kawar

Assistant professor of Physics, Dr. R.G.Rathod Science College Murtizapur, Akola, India

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



TABLE OF CONTENT

Paper No.	Title of Paper	Page No.
1]	The Adsorption Kinetics of Cr (Vi) Metal by Using Granulated Particles of Tamarindus Indica Seed	1-6
	Author: CHAUDHARI U. E., GHOTKAR J. L., WANJARI A. K.	
2]	Synthesis and Characterization of N-salicylidene-ß-alanine (KHL) and its	
	caffeine complexes [M(LH)(Caf)2H2O]n; M=Cd2+, Zn2+, Ni2+, Cu2+; Caf=caffeine	7-21
	Author: EL AMANE MOHAMED, KENNOUCHE YOUNESS	
3]	UV Photolytic Decolorization Study of Synthetic Waste Water Containing Indigo	00.04
	Carmine Dye in Presence of H2O2	22-31
	Author: FARTODE A. P., PARWATE D.V.	
4]	Methanolysis of High FFA Mahua Oil in an Oscillatory Baffled (Batch) Reactor	32-39
	Author: MS. DHOTE PRIYA S., GANVIR V. N.	
5]	Effect of Solvents on the Morphological and Optical Properties of SiO2 Film	
	Prepared by Sol-Gel Method	40-45
	Author: RUCHI NANDANWAR, PURNIMA SINGH, FOZIA ZIA HAQUE	
6]	Kinetics and Mechanism of Oxidation of Ethyl Acetoacetate by Chromic Acid in	_
	the Presence and Absence of Oxalic Acid	46-52
	Author: SAMEER V. RENUKDAS , DR. MRS. N.T.PATEL	
7]	Enhanced Proton Conductivity of Cerium Induced Tin Phosphate Cation	
	Exchange Material	53-61
	Author: VINISHA VALSARAJ P, JANARDANAN C.	