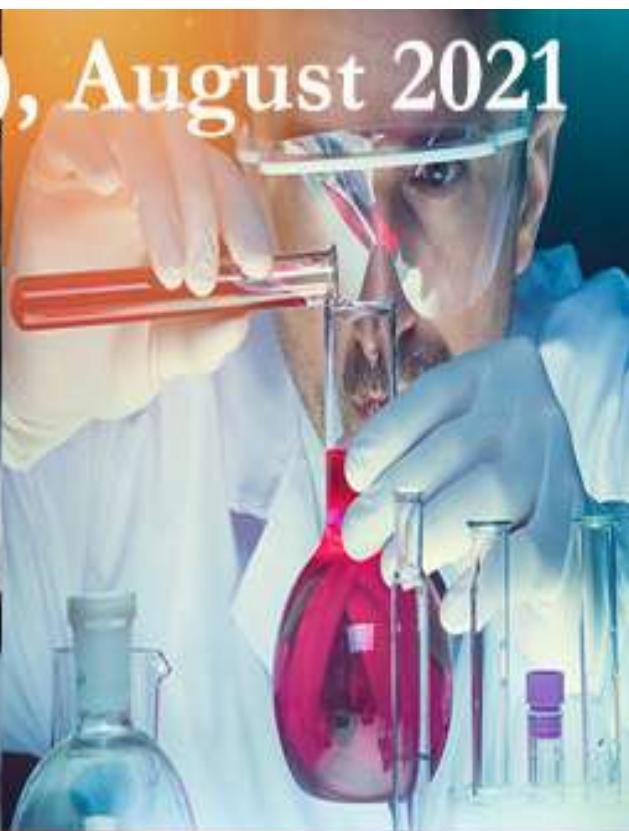
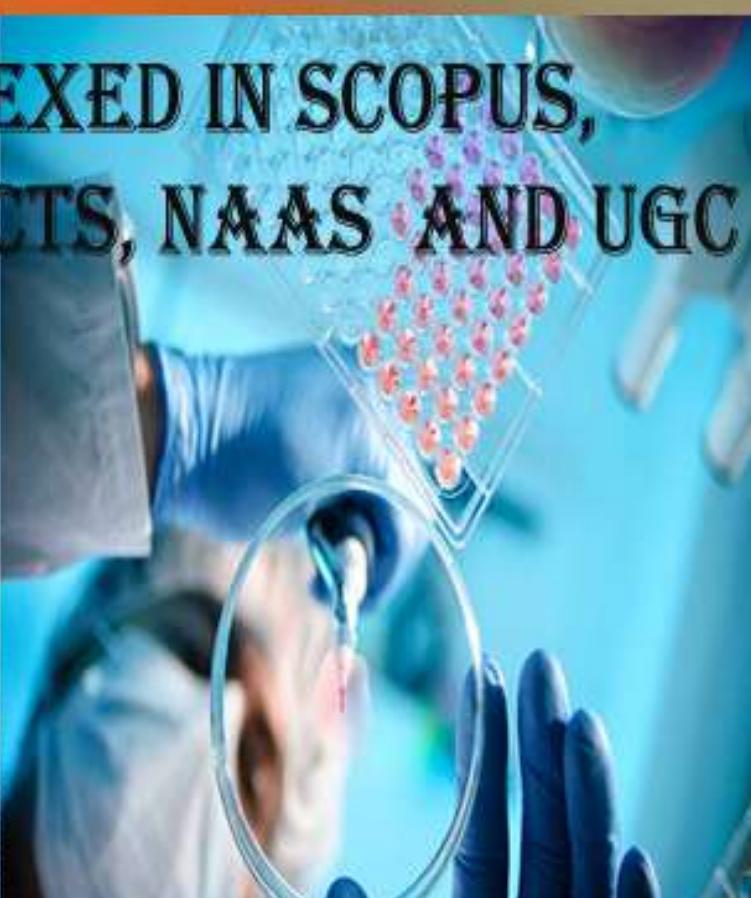


Vol. 25(8), August 2021



RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT

JOURNAL IS INDEXED IN SCOPUS,
CHEMICAL ABSTRACTS, NAAS AND UGC



RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT**An International Research Journal of Chemical Sciences and Environmental Sciences***Res. J. Chem. Environ., Volume 25(8), Pages 1-188, August (2021)*

Editor- in- Chief (Hon.)

Dr. D.K. Vardhan
Mumbai, INDIA*Correspondence Address:***Research Journal of Chemistry and Environment**
Sector AG/80, Scheme No. 54, Indore 452 010 (M.P.) INDIA
Mobile: +91-94250-56228Website: <https://www.worldresearchersassociations.com>E-mail: info@worldresearchersassociations.com**CONTENTS**

Research Papers:		
1.	Fatty acids composition and Therapeutic potential of three plant species of Tiliaceae family - Parveen Seema, Sherwani M.R.K., Bais Rajni, Saini Ram Lal and Malik Abdul	1-6
2.	Development and validation of bio analytical liquid chromatography and mass spectrometry method for quantification of upadacitinib in human plasma - Srinivasarao Pakalapati, Chidananda Swamy Rumalla, Raghu Babu Korupolu and Muralidharan Kaliyaperumal	7-16
3.	Effect of Nickel Substitution on Structural and Magnetic Properties of Novel Polyol route Synthesized Cobalt Ferrite - Birmule P.R., Chavan A.S., Jadhav B.V., Burungale A.S., Helavi-Reddy V.B. and Patil R.P.	17-22
4.	Racemic Guaifenesin Preparation by <i>in vivo</i> Williamson ether synthesis and FTIR, NMR, HPLC and GCMS spectral analysis - Kumarasamy Suresh, Vasuki Selvaraj, Narayanan Mathiyazhagan and Ranganathan Muthusamy	23-27
5.	Chemical characterization and source apportionment of ambient PM₁₀ in Hubli-Dharwad region, Karnataka, India - Navalgund Lokeshwari, Joshi Keshava, Kulkarni Krishna, Srinikethan Govindan, Namrata Sampagaon, Kulkarni Manoj and Sadarahalli Aishwaraya	28-34
6.	Anticonvulsant activity of 2-amino-4-chloro-6-methyl pyrimidine derivatives: synthesis and characterization - Guruswamy Vinay, Bantal Veeresh and Lingappa Mallesha	35-43
7.	Spectrophotometric Determination of an Antidiabetic Drug Metformin by KMnO₄ and Sulphanilic Acid Method - Makhijani Ritika, Sawant Nikita Mahadev, Jadhav Pradhanya Prakash and Murugan Mahalaxmi	44-49
8.	Amelioration of biomass character of basmati rice (<i>Oryza sativa L.</i>) by mitigating abiotic stress with green manure application and organic biostimulant treatment - Thomas Reji Kurien, Tiwari Garima and Bose Satyam Khagen	50-59
9.	Multi-media filtration for pollutant removal in mud crab hatchery wastewater - Che Harun Mohammad Hakim, Hamzah Sofiah, Mohd Daud Filzah Zahirah, Yatim Norhafiza Ilyana and Ali Nora'aini	60-66
10.	Spectrophotometric Method for determining Metribuzin Herbicide with Aniline in various Environmental and Agricultural Samples - Goswami Jyoti, Bhatt Chhaya, Sahu Ajay Kumar, Rai Manish Kumar and Yadaw Praveen Kumar	67-72

11.	Use of benthic population and embryo-larval development stages of the sea urchin <i>Paracentrotus lividus</i> for evaluating the ecological quality of the west Moroccan Mediterranean coast - Fouad Meriem, Benhra Ali, Bouhallaoui Mina, El Haimeur Bouchra and Bessi Hlima	73-82
12.	Multicomponent one pot synthesis of Substituted 3,4-Dihydropyrimidin-2-(1H)-ones by Nanocrystalline CeO₂ - Patil Vishvanath D., Salve Amruta M., Gharat V.D. and Gawand N.	83-89
13.	Synthesis and Evaluation of Polysulfone/Polyaniline Nanocomposite Reverse Osmosis Membranes using Sodium Butyl Sulfate - Salah F. Abdellah Ali and Ehab Said Gad	90-99
14.	Anatomy of a Natural Sunlight Driven CdS/CoTiO₃/ZnO Ternary Photocatalyst for Efficient Optical Properties and Removal of Reactive Orange 30 - Divya G., Sakthi D., Priyadharsan A., Boobas S. and Sivakumar S.	100-109
15.	Physico chemical and thermal resistance properties of fly ash/ground granulated blast furnace slag based geopolymers mortar - Sivasakthi M., Jeyalakshmi R., Rajamane N.P. and Baskarasundararaj J.	110-120
16.	Use of Undoped and Carbon-Doped Calcium Molybdate for degradation of basic Fuchsin: A Green Chemical Route - Chawda H.S., Bhatt J., Rathore R., Ameta S.C. and Ameta R.	121-128
Review Papers:		
17.	Metal-doped TiO₂ photocatalyst as antibacterial - A Review - Sufiati, Ayn Siti Nur, Sulistiyan Ika, Nurdin Muhammad and Salim La Ode Agus	129-135
18.	Combinatorial effect of chemotherapeutic drugs with natural products improves the combat against cancer cell drug resistance - Mirunalini S., Manobharathi V. and Kalaiyarasi D.	136-146
19.	The role of autophagy for cancer treatment: A systematic review - Poornima Murali and Ramanathan Karuppasamy	147-167
20.	Art of anaerobic digestion: An overview - Guvvala Harsha and Maurya Nityanand Singh	168-176
21.	Pharmacological significance of Oxadiazole scaffold - Santhanalakshmi K., Margandan K., Manivannan P. and Jacqueline Rosy P.	177-188

❖ EDITORIAL BOARD: P IV ❖