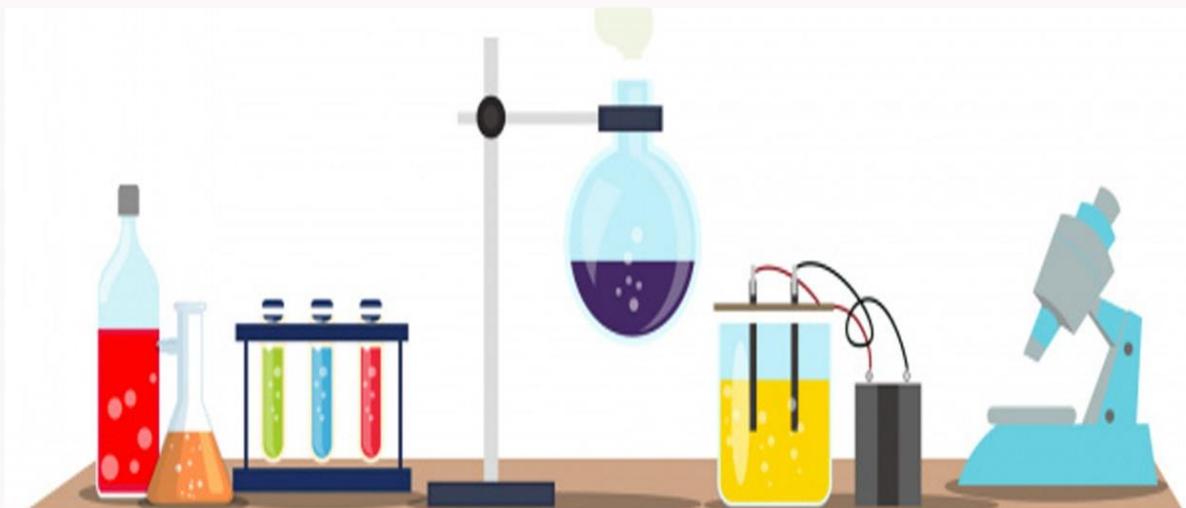
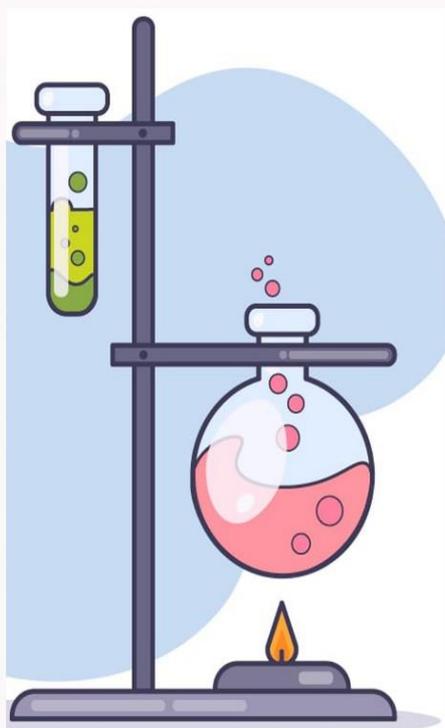


RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT



Vol. 29(1), January 2025



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

Editor-in-Chief (Hon.)
Dr. P. Shyamala, Ph.D.
Visakhapatnam, INDIA

Correspondence Address:
Research Journal of Chemistry and Environment
Sector AG/80, Scheme No. 54, Indore 452 010 (M.P.) INDIA
Mobile: +91-94250-56228

Website: <https://www.worldresearchersassociations.com>

E-mail: info@worldresearchersassociations.com

CONTENTS

Research Papers:		
1.	Green synthesis of Nickel-doped zinc oxide using Pineapple (<i>Ananas comosus</i>) leaf extract and Evaluation of their antimicrobial activity - Srivastava Pankaj, Sharma Osheen and Pawar Vatsala	1-7
2.	Non-Invasive Assessment of Microplastic Contamination in the Avian Biodiversity of Gharana Wetland, Jammu and Kashmir - Rani Reetika, Singh Suraya Partap and Singh Rahul	8-18
3.	Antifeedant effect of emulsifiable concentrate formulation of <i>Ageratum conyzoides</i> (L.) (Asteraceae) extracts against <i>Plutella xylostella</i> (L.) (Lepidoptera: Plutellidae) - Vats Tarun Kumar, Prajapati Rajmani, Rawal Vagisha, Ankur, Nida, Thakur Lalitesh Kumar and Mullick Sanjiv	19-25
4.	Analysis of Mangrove vegetation health index by implementing NDVI classification method based on Landsat image data: Case study from Zuari Estuary Goa, India - Sawaikar Ranjita, Tari Shreeveni, Deshpande Tanvi and Prabhugaonkar Venkatesh	26-30
5.	<i>In silico</i> analysis of Juarezic acid and Avenalamic acid analogs - Kuchana Madhavi, Chelimela Ramya, Mandyam Srinivasulu Puja Sri and Shaik Naailah Sulthana	31-38
6.	Application of silver nanoparticles in the degradation of Methylene Blue dye - Khandelwal Vishnu Kumar	39-45
7.	<i>In silico</i> and antibacterial studies of Thiadiazole and Triazole linked 1,8-Naphthyridine derivatives - Bhargavi Lakshmi J., Bhaskar Pittala, Laxminarayana Eppakayala, Paramesh Donta and Chittireddy Venkata Ramana Reddy	46-51
8.	Multicomponent synthesis of pyrazole-3-one under mild conditions using an effective novel ceria-doped copper nanocatalyst - Gharat Vaishnav D. and Patil Vishvanath D.	52-60
9.	Green synthesis: silver nanoparticles from microbial extract for biogas generation - Pathare Aishwayra, Desai Hindavi, Sarode Sneha, Nibandhe Shalmali and Jamkhedkar Suruchi	61-66
Review Papers:		
10.	A Review on Metabolic Biomarkers for Cardiac Hypertrophy - Padmanabhan Arul Mozhi and Doss V.A.	67-74
11.	The Role of Urban Green Spaces in Mitigating Urban Heat Island Effect Amidst Climate Change - Purohit Sanju	75-84

12.	Nanotech approaches in lung cancer research: A review - Koushik Anjali, Hariyani Poonam, Yadav Priya, Pareek Sonu and Dave Saurabh	85-94
-----	--	-------

❖ EDITORIAL BOARD: P IV ❖