

RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT

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

**Vol. 29(9),
September 2025**



RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT

An International Research Journal of Chemical Sciences and Environmental Sciences

Res. J. Chem. Environ., Volume 29(9), Pages 1-210, September (2025)

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.	Engineering Sulfur-Doped Graphene through Chemical Vapor Deposition for Enhanced Electrochemical Sensing of Dopamine and Ascorbic Acid - Dronavalli Bhargavi, Ande Rajesh, Vallabhaneni Madhava Rao, G.V. Adilakshmi and Kolli Deepti	1-9
2.	Electrochemical oxygen evolution on fabricated Ni/Ni_{0.3}Co_{2.7}O₄ in alkaline medium - Awasthi Minakshi and Lal Basant	10-17
3.	Deep eutectic solvent mediated synthesis of pyrazolo[3,4-<i>b</i>]- and pyrimido[4,5-<i>b</i>]quinolines - Jadhav Siddheshwar D., Kashid Vitthalrao S., Patil Dattatray V. and Yedage Dattatray B.	18-24
4.	Microwave-Assisted Synthesis of 2-Chloroquinoline-3-Carbaldehyde on Silica Support using Mild Acidic Charcoal Catalyst - Chavan Jagdish, Patil Rajendra, Patel Shivnath, Shinde Sachin and Beldar Anil	25-29
5.	HPLC and LCMS/MS based chromatographic screening method impurities of Daprodustat with degradation kinetics, characterization and <i>in silico</i> toxicity - Bhagya Kumar Tatavarti, Rasheed Babu Shaik, Uppu Naga Babu, Shaheda Niloufer and Govindarao Yedlapalli	30-40
6.	Assessment of Heavy Metals in Water and the Fish Organs in River Ganga at Kanpur - Dwivedi Nalini, Singh Shikha, Paroha Seema and Gupta Varsha	41-45
7.	Sustainable Synthesis of Nickel Oxide Nanoparticles via <i>Manilkara Zapota</i> Extract for Advanced Wastewater Treatment - Prajapati Jay and Patel K.N.	46-55
8.	Synthesis of Ternary Nanocomposites (SrFe₁₂O₁₉/TiO₂/ZnO) By Sol-Gel Method for Application of Pollutant Abatement of Organic Dye Degradation Studies - Ramya Kumari Chapa, Suneetha M., Jyothi Priya K., Sridevi Chandrakala N., Bulli Babu T., Padma M. and Sanasi Paul Douglas S.	56-66
9.	Bioactive properties and LC-MS analysis of water dropwort plant - Kumar Rajneesh and Singh Pooja	67-74
10.	Appraisal and comparison of contamination in potable water sources during pre, syn and post monsoon periods in Southwest Lawngtlai district, Mizoram, India - Blick John, Verma Rahul, Malsawmtluanga and Lalfakawma	75-85
11.	Carboxymethyl Cellulose, Functionalized Graphene Oxide based Ternary Composite for the Removal of Heavy Metal Lead (II): Batch and Column Studies - Gowri Gunasekaran, Daisy Rani James Durai, Neerazhagan Balaji Thimmarajampettai, Ali Zainul Abideen Ansar, Rekha Anantharaman and Sudha Parappurath Narayanan	86-110

12.	Water Disaster induced Vulnerability using Groundwater Quality Assessment in Bihar - Yadav Pappu Kumar and Kumar Pappu	111-125
13.	Study on photogalvanics for sunlight power conversion and storage using the combination of bromocresol purple, sodium lauryl sulphate and ascorbic acid - Birama Ram, Prajapat Madhuri and Genwa K.R.	126-133
14.	Tender coconut husk waste as a potential source for extraction of Xylooligosaccharides - Valarmathy Kanagasabapathy, Indulekha John, Manjunatha Bukkambudi Krishnaswamy and Remya Rajendran	134-146
15.	Unraveling the Antiobesity Potential of <i>Balanites aegyptiaca</i> Leaves through Computational techniques - Sonavane Dhanashri, Shirode Devendra, Daswadkar Shubhangi, Gawande Gauri and Bhapkar Jaydip	147-154
16.	Effect of metallic mordants on pH and Optical density values of the dyed fabrics by using aqueous extracted eco-friendly natural dye from shells of <i>Juglans regia</i> - Singh Shyam Vir, Kotnala Shreya and Janathta Mohini	155-163
17.	Adsorption of phosphate and fluoride from fertilizer industry effluent using fly ash and chitosan nano-adsorbents - Soman Sabitha, Madhu G., Jayachandran K. and Lila Bhai T.S.	164-173
18.	Spectroscopic and Antimicrobial Studies of Transition Metal Complexes of a Schiff Base Macrocyclic Ligand - Gautam Archana	174-181
Review Papers:		
19.	Harnessing of Chalcones in Cancer Therapy - Huq Sabereen, Devi Laishram Elizabeth, Thiruvengadam Sriram, Janhavi M.S., Dabburu Kumaraswamy and Khan Abida	182-189
20.	Applications of Schiff Bases and their Metal Complexes in Catalytic Transformations - Gupta Akhilesh Kumar	190-210

❖ EDITORIAL BOARD: P IV ❖