Vol. 29(4), April 2025

RESEARCH JOURNAL OF

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

E-ISSN: 2278 – 4527

RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT

An International Research Journal of Chemical Sciences and Environmental Sciences Res. J. Chem. Environ., Volume 29(4), Pages 1-131, April (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

Rese	earch Papers:	
1.	Simple and eco-friendly magnetite preparation, its characterization and DNA extraction application - Tjoa Stanley Evander Emeltan, Mudasir Mudasir, Suharyadi Edi and Daryono Budi Setiadi	1-6
2.	Spectrophotometric Determination of Biotin in Drug Samples using Ligand Substitution Reaction - Srivastava A., Srivastava N. and Singh R.	7-14
3.	A Sustainable Green Approach towards the Production of High Purity Alumina from Waste Aluminium Dross - Ghosh Biswajit, Tripathy Bankim Chandra, Jayaseelan Christine and Sen Mousumi	15-25
4.	LC–MS/MS characterization of stress degradation products of Ripretinib along with development and validation of a stability-indicating HPLC method for quantification of Ripretinib - Tummala Sambasiva Rao, Gorrepati Naveena, Narayanam Acharyulu P.S., Rambabu K. and Potluri Haritha	26-38
5.	Comparative Performance of Burr Type XII 3P, Dagum Type I 3P and Log-Logistic 3P Distributions in Modeling Ozone (O ₃), PM ₁₀ and PM _{2.5} Concentrations - Saripalli Arun Kumar, Akiri Sridhar, Sarode Rekha, Vasili B. V. Nagarjuna and Ramanaiah M.	39-56
5.	Microplastic Contamination in Harike Wetland, a Ramsar Site in Punjab: An Environmental Assessment - Singh Kritika and Singh Rahul	57-67
7.	Biogenic synthesis of silver nanoparticles using <i>Artemisia nilagirica</i> leaf extract and their antimicrobial activity against pathogenic bacteria - Mengane S.K.	68-74
3.	Xylanase-assisted TCF bleaching of Eulaliopsis binata pulp - Gautam Archana, Dutt Dharm and Kumar Amit	75-78
).	Chiral LC method development for stereo-selective separation and quantification of Ivosidenib and its S,R and R,R isomeric impurities in drug substance and finished product - Tatavarti Bhagya Kumar, Usha Rani N., Tangeti Venkata Swamy and Tulasi Bhavani K.	79-85
0.	Solvent free Montmorillonite K-10 Clay catalyzed synthesis and Structure elucidation of pyrazoloimidazole-2-thione Derivatives - Jaiswal Shalini -	86-93
11.	Application of nanotitania and titania nanofibre in photocatalytic degradation of Rhodamine B in waste water - Suja N.R. and Saumya Jos	94-100

Review Papers:		
12.	Bacillus thuringiensis Cry and Cyt Toxins: Mechanisms of Action, Resistance Management and Impact onHost Immune Responses- Bangaru Naidu Thaddi	101-110
13.	Biochar based dye removal from industrial effluents: A review - Sharma Rajni, Mathur Dipti, Shrivastava Kriti and Soni Swaroop	111-118
14.	Potential of wastewater quality assessment using electronic sensors: A review - Abdul Karim M.S., Yusof N.A.T., Zainol N. and Aziz N.H.	119-131

✤ EDITORIAL BOARD: P IV ◆