RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT Vol. 26(11), November 2022

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

PRINT-ISSN No. 0972-0626

E-ISSN: 2278 – 4527

ESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT

An International Research Journal of Chemical Sciences and Environmental Sciences Res. J. Chem. Environ., Volume 26(11), Pages 1-196, November (2022)

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: +91-94250-56228

Website: https://www.worldresearchersassociations.com

E-mail: info@worldresearchersassociations.com

CONTENTS

Rese	arch Papers:	
1.	 An assessment of toxic effects of chemical toxicants on biochemical markers in the freshwater snail <i>Helisoma duryi</i> exposed to different water samples from a gold mine Basopo Norah, Ndebele Donald and Kutywayo Nyasha 	1-10
2.	 Computational, Experimental and Pharmacological Studies of Cu(II), Co(II) and Ni(II) Metal Complexes containing Azo Schiff base Ligand Ereshanaik, Prabhakara M.C., Bhojya Naik H.S., Kumaraswamy H.M. and Mohammed Shafeeulla R. 	11-27
3.	 Isolation and Characterization of Gibberellin (GA-3) from Banana Blossom of <i>Musa balbisiana</i> Colla and Effect of The Isolate Addition on The Growth of Soybean (<i>Glycine max</i>) Plant Fatharani Deika Zhillan, Ishmayana Safri, Hindersyah Reginawanti and Soedjanaatmadja Ukun M.S. 	28-37
4.	Green Synthesis and characterization of Lead Oxide Nanoparticles using <i>Piper Betle</i> leaf - Vellaisamy M. and Geetha R.	38-42
5.	 Assessment of RO water, public supply and tubewell systems in rural and urban locations of Hisar district with reference to WHO and BIS standards Poonia Twinkle, Singh Nirankar and Sharma H.K. 	43-50
6.	 Green fabrication and characterization of transition metal doped tin dioxide nanoparticles using <i>Psidium guajava</i> leaf extract Shakila S. and Venkatraman B.R. 	51-55
7.	 Chemical compositions and characterization of date palm empty fruit bunch fibers of five cultivars growing in Southeast Algeria Cherifi Ferdous, Bouziane Mebarka, Hassani Fatma Zohra, Kriker Abdelouahed and Zoukel Abdelhalim 	56-62
8.	Synthesis and environmental application of TTCHEA resin in effluent handling - Rathore Sawai Singh, Joshi Archana, Hanuman and Gupta Vikal	63-67
9.	Assessment of spatio-temporal patterns of water quality in a tropical river by multivariate statistical analysis and water quality index methods - Iqbal Kashifa and Dutta Venkatesh	68-75
10.	In silico screening of potential drug against MDR genes (PfCRT/PfMDR1) responsible for Malaria - Modanwal Shristi, Mugetia Vishal and Mishra Nidhi	76-100
11.	Green approach for the synthesis of benzimidazoles using Malic acid as catalyst - Deka Nabajyoti and Talukdar Hrishikesh	101-109

12.	An Electrochemical Study by using Conductivity Measurement for Two Oximes at Different Temperatures supported with DFT Analysis	110-118
	- Al-Khayat R.Z., Al-Dabbagh A.B., Abdulrahman H.A. and Abdulrahman Sh.H.	
13.	 Development of polymeric microbeads-intercalated with montmorillonite nanoclay and silver nanoparticles for controlled release of levofloxacin, an antibacterial drug Pallerla Dharmender, Obireddy Sreekanth Reddy, Banoth Suman and Jyothi Sunkari 	119-129
14.	Isotopic effect on the hydration-dehydration studies of β _{bc} -nickel hydroxide using infrared spectroscopy - Thimmasandra Narayan Ramesh	130-134
15.	 Phytoconstituent estimation and LC-MS studies of field grown Withania somnifera (L.) Dunal root extract in Jharkhand and Bihar Mahto Harishankar, Mahato Dipa and Sharma Hanuman Prasad 	135-141
16.	 Determination of thermodynamic parameters for surfactant mediated cloud point extraction of Brilliant cresyl blue dye in aqueous solutions Ameer Khan Sk., Shyamala P. and Krishna Murthy M. 	142-146
17.	 Synthesis, characterization and application of novel green chelating PE-TH resin in the removal of toxic metals from industrial effluents Parveen Seema, Kauser Khusbhu, Bais Rajni and Saini Ram Lal 	147-155
18.	Effect of Temperature on Dilute Acid Pre-treatment of Waste Cotton Fabrics for Glucose Recovery - Kaur Gursharan and Dhanya M.S.	156-161
19.	 Synthesis, Characterization and Luminescence Studies of 3d-4f heterometallic Zinc(II)-Lanthanide(III) Complexes Incorporated in Poly(Vinyl Pyrrolidone) Matrix Shukla Rachana, Porwal Dipiti, Maurya Ajeet Kumar, Srivastava Krishna and Prasad Jagdish 	162-184
20.	Synthesis and Antimicrobial activity of 1-(3-amino-5-chloro-2, 3-dihydro-1-benzofuran-2-yl) ethan-1-one [2, 1-b]-furan and their derivatives - Kumar Mahesh, Basavaraja K.M., Mathada Manjunatha Harihara and Mylarappa M.	185-196

✤ EDITORIAL BOARD: P IV ◆