

## CSIR-CLRI Publications for the period DECEMBER 2023 (Indexed in SCI-Expanded)

DECEMBER 2023

SL.NO.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Gomathi, E; Maharaja, P; Rathore, HS; Boopathy, R; Panda, RC; Senthilvelan, T; Arthanareeswari, M	Treatment of textile dye consortium through photo-electro-fenton process using graphite-Ti electrode system and toxicity studies	<i>Carbon Letters</i>	33	7	2011	2025	2023	10.1007/s42823-023-00551-x
2.	Mandal, A; Dhineshkumar, E; Sastry, TP	The CCLW collagen biocomposite consisting Ag-Fe <sub>3</sub> O <sub>4</sub> nanoparticles as a novel biomaterial with a view to facile green approach	<i>Clean Technologies and Environmental Policy</i>	25	10	3285	3302	2023	10.1007/s10098-023-02578-0
3.	Mozhiarasi, V; Natarajan, TS; Karthik, V; Anburajan, P	Potential of biofuel production from leather solid wastes: Indian scenario	<i>Environmental Science and Pollution Research</i>	30	60	125214	125237	2023	10.1007/s11356-023-28617-3
4.	Rajendiran, N; Ganesan, S; Weichgrebe, D; Venkatachalam, SS	Optimization of pyrolysis process parameters for the production of biochar from banana peduncle fibrous waste and its characterization	<i>Clean Technologies and Environmental Policy</i>	25	10	3189	3201	2023	10.1007/s10098-023-02592-2
5.	Jeyakumar, GFS; Velswamy, P; Gunasekaran, D; Manimegalai, NP; Syamala, KM; Sivagnanam, UT	Enhancing the effectiveness of Alkaline Phosphatase and bone matrix proteins by tunable metal-organic composite for accelerated mineralization	<i>International Journal of Biological Macromolecules</i>	252				2023	10.1016/j.ijbiomac.2023.126524
6.	Km, S; Ravishankar, K; Lobo, NP; Baskar, R; Raghavachari, D	Solvent-less carboxymethylation-induced electrostatic crosslinking of chitosan	<i>International Journal of Biological Macromolecules</i>	253				2023	10.1016/j.ijbiomac.2023.126633

7.	Ahina, KM; Kannan, K; Vijayan, V; Sreekumar, S; Lakra, R; Kiran, MS	Zero dimensional Graphene Quantum Dots self-assembled collagen 3D bio-matrices for soft tissue regeneration	<i>Materials Today Communications</i>	37				2023	10.1016/j.mtcomm.2023.107244
8.	Veeraprakash, B; Shanavas, AKJ; Reddy, GSM; Lobo, NP; Ramanathan, KV; Narasimhaswamy, T	Molecular Conformations of Shape Anisometrically Variant Mesogens in Liquid Crystalline Phase Studied by <sup>13</sup> C NMR Spectroscopy	<i>Chemphyschem</i>	24	23			2023	10.1002/cphc.202300353
9.	Ghosh, S; K�uc�ukkececi, H; Paitandi, RP; Weigelt, V; Dippold, V; Seki, S; Thomas, A	Low band gap semiconducting covalent organic framework films with enhanced photocatalytic hydrogen evolution	<i>Journal of Materials Chemistry A</i>	12	1	247	255	2023	10.1039/d3ta04552h
10.	Pravina, R; Uthayakumar, H; Sivasamy, A	Hybrid approach based on response surface methodology and artificial neural networks coupled with genetic algorithm (RSM-GA-ANN) for the Prediction and optimization for the Photodegradation of dye using nano ZnO anchored glass fiber under solar light irradiation	<i>Journal of the Taiwan Institute of Chemical Engineers</i>	153				2023	10.1016/j.jtice.2023.105248
11.	Murali, RC; Kumaresan, A; Gunasekaran, B; Aaron, KP; Kaliappa, K	A feasibility study on use of banana fabrics in footwear production as upper material	<i>Indian Journal of Fibre &amp; Textile Research</i>	48	4	373	379	2023	10.56042/ijftr.v48i4.7636
12.	Deepak, N; Inbasekar, C; Nishtef, NF	Bactericidal and Fungicidal Action of Copper Nanoparticles on Leather Surface	<i>Journal of the American Leather Chemists Association</i>	118	12	519	528	2023	
13.	Veeraprakash, B; Reddy, MK; Das, BB; Lobo, NP; Ramanathan, KV; Narasimhaswamy, T	Effortless Extraction of Structural and Orientational Information from <sup>13</sup> C- <sup>1</sup> H Dipolar Couplings for Thiophene Mesogens	<i>Journal of Physical Chemistry B</i>	127	50	10912	10922	2023	10.1021/acs.jpcc.3c06176

14.	Krishnamoorthy, R; Anaikutti, P	Iodine catalyzed synthesis of imidazo[1,2- <i>a</i> ]pyrazine and imidazo[1,2- <i>a</i> ]pyridine derivatives and their anticancer activity	<i>RSC Advances</i>	13	51	36439	36454	2023	10.1039/d3ra07842f
15.	Elavarasan, P; Kannadasan, S; Shanmugam, P	I <sub>2</sub> /CAN as a Mild and Efficient Reagent for Oxidative Csp <sup>3</sup> -Csp <sup>2</sup> Cleavage of 3,3'-Bis-7-azaindolylmethane: A Rapid One-Pot Access to 3-Formyl and 3-Iodo-7-azaindoles	<i>European Journal of Organic Chemistry</i>					2023	10.1002/ejoc.202300825
16.	Radhakrishnan, P; Sivasamy, A	Photocatalytic reduction of chromium(VI) using multiwall carbon nanotubes/bismuth oxide nanocomposite under solar irradiation	<i>Environmental Science and Pollution Research</i>					2023	10.1007/s11356-023-31433-4
17.	Sreekumar, S; Vijayan, V; Gangaraj, KP; Thangasornaraja, M; Kiran, MS	Caffeine-reinforced Collagen as Localized Microenvironmental Trans-Browning Bio-Matrix for Soft Tissue Repair and Regeneration in Bariatric Condition	<i>Advanced Biology</i>					2023	10.1002/adbi.202300544

\*PD=Date of Publication; PY=Year of Publication; Vol=Volume; IS=Issue; BP=Beginning Page Number; EP=Ending Page Number, DOI=Digital Object Identifier