

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

APRIL 2023

SL. NO.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Borker, P; Gaokar, RD; Fatrekar, A	Tuning the optical properties of SnO ₂ by doping Cu ²⁺ for enhancing solar irradiated photodegradation of dye effluents and underlying mechanism	<i>Materials Science and Engineering B-Advanced Functional Solid-State Materials</i>	290				2023	10.1016/j.mseb.2023.116280
2.	Pounsamy, M; Karmegam, PM; Ganesan, S	Combined application of microbes immobilized carbon reactor and the reactive struvite system for the management of tannery delimiting wastewater	<i>Environmental Science and Pollution Research</i>	30	16	47699	47711	2023	10.1007/s11356-023-25702-5
3.	Xavier, J; Patnaik, SK; Panda, RC	Economic optimization and predictive control for nonlinear systems using Lyapunov based nonlinear cost function design	<i>Chemical Engineering Science</i>	270				2023	10.1016/j.ces.2023.118530
4.	Gayathri, V; Stephen, K; Prem, S; Ayyadurai, N; Samanta, D	Synthesis and Catalytic Studies of Thermoresponsive Copper (I) Complex towards Click Reactions	<i>European Journal of Organic Chemistry</i>	26	14			2023	10.1002/ejoc.202201182
5.	Mannacharaju, M; Ganesan, S; Lee, JK;	Bacterial cell immobilized packed	<i>Chemosphere</i>	320				2023	10.1016/j.chemosphere.2023.138022

	Rajagopal, R; Chang, SW; Ravindran, B	bed reactor for the elimination of dissolved organics from biologically treated post-tanning wastewater and its microbial community profile							
6.	Vignesh, V; Shanmugam, G	Removal and recovery of hazardous congo red from aqueous environment by selective natural amino acids in simple processes	<i>Process Biochemistry</i>	127		99	111	2023	10.1016/j.procbio.2023.02.009
7.	Jayaprakash, K; Sivasamy, A	Polymeric graphitic carbon nitride layers decorated with erbium oxide and enhanced photocatalytic performance under visible light irradiation	<i>Environmental Science and Pollution Research</i>	30	18	52561	52575	2023	10.1007/s11356-023-26008-2
8.	Mandal, S; Venkatramani, J	A review of plant-based natural dyes in leather application with a special focus on color fastness characteristics	<i>Environmental Science and Pollution Research</i>	30	17	48769	48777	2023	10.1007/s11356-023-26281-1
9.	Rahaman, SN; Ayyadurai, N; Anandasadagopan, SK	Synergistic effect of vancomycin and gallic acid loaded MCM-41 mesoporous silica nanoparticles for septic arthritis management	<i>Journal of Drug Delivery Science And Technology</i>	82				2023	10.1016/j.jddst.2023.104353
10.	Suresh, S; Priya, N; Kunjitham, R; Sreeram, KJ	A Fast and Robust Analytical Method Based on QuEChERS Technique using UPLC-PDA for Quantification	<i>Journal of The American Leather Chemists Association</i>	118	4	139	149	2023	

		of Carcinogenic Arylamines in Consumer Goods inclusive of Leather							
11.	Mandal, S; Banothu, R; Mohan, R; Sreeram, KJ	Root Cause Analysis of Color Migration in Footwear: A Case Study	<i>Journal of The American Leather Chemists Association</i>	118	4	150	155	2023	
12.	Sahu, B; Jayakumar, GC; Anandasadagopan, SK	Studies On the Kinetics of Oil Oxidation Using Benzoyl Peroxide and Its Synergistic Effect in Fish Oil Tanning	<i>Journal of The American Leather Chemists Association</i>	118	4	156	161	2023	
13.	Arjunan, Y; Jayakumar, GC; Subramanian, A; Kanth, SV	Development of Nano Bio Aldehyde Tanning Agent for Sustainable Leather Manufacture	<i>Journal of The American Leather Chemists Association</i>	118	4	162	168	2023	
14.	Preethi, RK; Kannadasan, S; Shanmugam, P	Azomethine ylide [3+2]-cycloaddition of 3-alkylidene-7-aza-2-indolone: Synthesis of 3,3'-dispiropyrrolidine- and 3,3'-dispiropyrrrolizidine bis 7-aza-2-oxindoles	<i>Tetrahedron Letters</i>	120				2023	10.1016/j.tetlet.2023.154448
15.	Vijayan, V; Sreekumar, S; Ahina, KM; Lakra, R; Kiran, MS	Lanthanum Oxide Nanoparticles Reinforced Collagen (sic)-Carrageenan Hydroxyapatite Biocomposite as Angio-Osteogenic Biomaterial for In Vivo Osseointegration and Bone Repair	<i>Advanced Biology</i>					2023	10.1002/adbi.202300039
16.	Nair, RR; Kissling, PA; Marchanka, A; Lecinski, J; Turcios,	Biochar synthesis from mineral and ash-rich waste biomass, part 2:	<i>Sustainable Environment Research</i>	33	1			2023	10.1186/s42834-023-00176-9

	AE; Shamsuyeva, M; Rajendiran, N; Ganesan, S; Srinivasan, SV; Papenbrock, J; Weichgrebe, D	characterization of biochar and co- pyrolysis mechanism for carbon sequestration							
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*PD=Date of Publication; PY=Year of Publication; Vol=Volume; IS=Issue; BP=Beginning Page Number; EP=Ending Page Number, DOI=Digital Object Identifier