

CSIR-CLRI Publications for the period MAY 2024 (Indexed in SCI-Expanded)

MAY 2024

Sl. No.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DoI*
1.	Jeyakumar, GFS; Gunasekaran, D; Manimegalai, NP; Sivagnanam, UT	Tailored thymoquinone intercalated Layered Double Hydroxide (LDH) nanocomposites to accelerate mineralization for enhanced osteogenesis	<i>Applied Clay Science</i>	252				2024	10.1016/j.clay.2024.107339
2.	Sivakumar, V	Analysis, Estimation and Minimization of Carbon Footprint in Leather Processing Unit Operations: A Systematic Approach	<i>Journal of the Society of Leather Technologists and Chemists</i>	108	3			2024	
3.	Aarthy, M; Hemalatha, T; Suryalakshmi, P; Vinoth, V; Mercyjayapriya, J; Shanmugam, G; Ayyadurai, N	Biomimetic design of fibril-forming non-immunogenic collagen like proteins for tissue engineering	<i>International Journal of Biological Macromolecules</i>	266				2024	10.1016/j.ijbiomac.2024.130999
4.	Karuppusamy, M; Panneer, SVK; Varathan, E; Ravva, MK; Easwaramoorthi, S; Subramanian, V	Design of Isoindigo-Based Small-Molecule Donors for Bulk Heterojunction Organic Solar Cell Applications in Combination with Nonfullerene Acceptors	<i>Journal of Physical Chemistry A</i>	128	21	4206	4224	2024	10.1021/acs.jpca.4c00684

5.	Pathmanapan, S; Muthuramalingam, A; Pandurangan, AK; Ayyadurai, N; Anandasadagopan, SK	Hyaluronic Acid-based Cell-free Composite Scaffold Promotes Osteochondral Repair In Vitro by Upregulating Osteogenic and Chondrogenic-Specific Gene Expressions	<i>Advanced Engineering Materials</i>	26	10			2024	10.1002/adem.202300815
6.	Bakrudeen, HB; Khambhaty, Y; Lakshmi, MS; Alagumuthu, T	Preparation and evaluation of natural lipstick from beetroot (<i>Beta vulgaris</i>) extract medicated with acyclovir	<i>Indian Journal of Chemical Technology</i>	31	3	337	345	2024	10.56042/ijct.v31i3.7732
7.	Duraisamy, DK; Reddy, SMM; Saveri, P; Deshpande, AP; Shanmugam, G	A Unique Temperature-Induced Reverse Supramolecular Chirality-Assisted Gel-to-Gel Transition	<i>Macromolecular Rapid Communications</i>	45	10			2024	10.1002/marc.202400018
8.	Babu, MKS; Katchala, N; Natarajan, TS; Suresh, S; Kancharla, S	Nd(III) and Dy(III) extraction from discarded NdFeB magnets using TOPO-based hydrophobic eutectic solvents	<i>Journal of Molecular Liquids</i>	402				2024	10.1016/j.molliq.2024.124697
9.	George, N; Chakraborty, S; Mary, NL; Suguna, L	Incorporating silver nanoparticles into electrospun nanofibers of casein/ polyvinyl alcohol to develop scaffolds for tissue engineering	<i>International Journal of Biological Macromolecules</i>	267				2024	10.1016/j.ijbiomac.2024.131501
10.	Vinayagam, M; Babu, RS; Sivasamy, A; de Barros, ALF	Impact of carbon dioxide-assisted activation on <i>Millettia pinnata</i> shell-derived porous activated carbon for enhanced performance in symmetric supercapacitors	<i>Ionics</i>	30	5	3045	3054	2024	10.1007/s11581-024-05491-8

11.	Ramalingam, S; Balamurugan, K; Fathima, NN	Greener Solvent Assistant Dyeing: Harnessing Ionic Liquids for Eco-Friendly Tone-in-Tone Dyeing on All Leather Types	<i>ACS Sustainable Chemistry & Engineering</i>	12	27	1010 2	1011 7	2024	10.1021/acssusche meng.4c00253
12.	Sharen, H; Jawahar, M; Anbarasi, LJ; Ravi, V; Alghamdi, NS; Wael, S	FDUM-Net: An enhanced FPN and U-Net architecture for skin lesion segmentation	<i>Biomedical Signal Processing and Control</i>	91				2024	10.1016/j.bspc.2024 .106037

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