

**CSIR-CLRI Publications for the period MAY 2022
(Indexed in SCI-Expanded)**

MAY 2022

SL. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Ramesh, RR; Ponnuvel, M; Ramalingam, S; Rathinam, Aravindhan	Compact glyoxal tanning system: a chrome-free sustainable and green approach towards tanning-cum-upgradation of low-grade raw materials in leather processing	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	MAY	2022	29	23	35382	35395	10.1007/s11356-022-18660-x
2	Lakra, R; Kiran, MS; Korrapati, PS	Collagen scaffold reinforced with furfural for wound healing application	MATERIALS LETTERS	MAY 15	2022	315				10.1016/j.matlet.2022.131956
3	Selvi, AT; Khambhaty, Y; Sugapriya, S; Jayakumar, GC	Vegetable wastes as a bio-additive for low-salt preservation of raw goat skin: An attempt to reduce salinity in leather manufacture	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	MAY	2022	29	21	31374	31383	10.1007/s11356-021-18001-4

4	Veettil, SP; Gopinath, A; Madhan, B; Shanmugam, G	A cyclodextrin-based macrocyclic oligosaccharide cavitand with a dual functionality limits the collagen fibrillogenesis: A possible carbohydrate-based therapeutic molecule for fibrotic diseases	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	MAY 15	2022	207		222	231	10.1016/j.ijbiomac.2022.03.005
5	Sivaraman, M; Mayakrishnan, S; Balachandran, C; Aoki, S; Maheswari, NU; Perumal, PT	Potassium tert-Butoxide Promoted Intramolecular Mizoroki-Heck-Type Radical Cyclization: Photoluminescence Properties and Application in Live Cancer-Cell Imaging	SYNLETT	MAY 12	2022	33	8	785	790	10.1055/a-1782-7150
6	Kailasam, S; Arumugam, S; Balaji, K; Kanth, Swarna Vinodh	Adsorption of chromium by exopolysaccharides extracted from lignolytic phosphate solubilizing bacteria	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	MAY 1	2022	206		788	798	10.1016/j.ijbiomac.2022.03.047
7	Govindammal, M; Kannan, S; Srinivasan, P; Prasath, M	Quantum chemical calculations, spectroscopic studies and molecular docking investigations of the anti-cancer drug quercitrin with B-RAF inhibitor	HELIYON	MAY	2022	8	5			10.1016/j.heliyon.2022.e09539

8	Anthoni, SJG; Kuppan, J; Arumugam, Sivasamy; Govindan, ND; Nadar, VR	rGO supported CeO ₂ -ZnO ternary nanocomposites for enhanced photocatalytic activity under solar light irradiation for environmental remediation	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	MAY	2022	128	5			10.1007/s00339-022-05561-6
9	Senthil, R; Sumathi, V; Tamilselvi, A; Kavukcu, SB; Aruni, AW	Functionalized electrospun nanofibers for high efficiency removal of particulate matter	SCIENTIFIC REPORTS	MAY 19	2022	12	1			10.1038/s41598-022-12505-w
10	Pan, A; Kumar, BVNP; Mati, SS; Mal, A; Prameela, GKS; Aswal, VK; Moulik, SP	Condition dependent self-aggregation behavior of aerosol-OT in mixed water-alcohol media: Physicochemical investigation	JOURNAL OF MOLECULAR LIQUIDS	MAY 15	2022	354				10.1016/j.molliq.2022.118893
11	Mayakrishnan, S; Kathirvelan, D; Arun, Y; Saranraj, K; Balachandran, C; Aoki, S; Yuvaraj, P; Maheswarai, NU	Design and synthesis of spirooxindole-pyrrolidines embedded with indole and pyridine heterocycles by multicomponent reaction: anticancer and in silico studies	NEW JOURNAL OF CHEMISTRY	MAY 30	2022	46	21	10089	10106	10.1039/d1nj05839h

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