

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

AUGUST 2022

SL. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Meganathan, I; Sundarapandian, A; Shanmugam, G; Ayyadurai, N	Three-dimensional tailor-made collagen-like proteins hydrogel for tissue engineering applications	BIOMATERIALS ADVANCES	AUG	2022	139				10.1016/j.bioadv.2022.212997
2	Saranya, K; Sundaramanickam, A; Manupoori, S; Kanth, SV	Screening of multi-faceted phosphate-solubilising bacterium from seagrass meadow and their plant growth promotion under saline stress condition	MICROBIOLOGICAL RESEARCH	AUG	2022	261				10.1016/j.micres.2022.127080
3	Vijayan, V; Lakra, R; Korrapati, PS; Kiran, MS	Lanthanum oxide nanoparticle-collagen bio matrix induced endothelial cell activation for sustained angiogenic response for biomaterial integration	COLLOIDS AND SURFACES B-BIOINTERFACES	AUG	2022	216				10.1016/j.colsurfb.2022.112589
4	Mohan, V; Sivagnanam, UT	Resorbable Layered Double Hydroxides-Based Composite Implants Synergistically Accelerates Critical-sized Defect Closure Using Preclinical Rabbit Model	TISSUE ENGINEERING PART A	AUG 1	2022	28		369	370	

5	Vijayan, AN; Indrakumar, J; Gomathinayagam, S; Gothandam, KM; Korrapati, PS	Bi-Functional Aspects of Peptide Decorated PLGA Nanocarriers for Enhanced Translocation Across the Blood-Brain Barrier through Macropinocytosis	MACROMOLECULAR RESEARCH	AUG	2022	30	8	557	570	10.1007/s13233-022-0061-5
6	Ariram, N; Gopinath, A; Madhan, B; Rao, JR	Supercritical carbon dioxide fiber opening: a new paradigm for cleaner leather manufacture	CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY	AUG	2022	24	6	1781	1791	10.1007/s10098-022-02286-1
7	Jeyakumar, GS; Ramanathan, G; Sivagnanam, UT	Thymoquinone Intercalated Strontium-iron Layered Double Hydroxides For Bone Regeneration	TISSUE ENGINEERING PART A	AUG 1	2022	28		171	172	
8	Mallick, S; Choutipalli, VSK; Bag, S; Subramanian, V; Raj, CR	Defect Engineered Ternary Spinel: An Efficient Cathode for an Aqueous Rechargeable Zinc-Ion Battery of Long-Term Cyclability	ACS APPLIED MATERIALS & INTERFACES	AUG 24	2022	14	33	37577	37586	10.1021/acsami.2c04596
9	Anithabanu, P; Balasubramanian, S; Dayanidhi, PD; Nandhini, T; Vaidyanathan, VG	Physico-chemical characterization studies of collagen labelled with Ru(II) polypyridyl complex	HELIYON	AUG	2022	8	8			10.1016/j.heliyon.2022.e10173
10	Gunasekaran, D; Sivagnanam, UT	Biomimetic Umbilical Cord Collagen Hydrogel Patch For Corneal Stroma Reconstruction	TISSUE ENGINEERING PART A	AUG 1	2022	28		20	21	

11	George, B; Bhatia, N; Kumar, A; Gnanamani, A; Thilagam, R; Shanuja, SK; Meethal, KV; Shiji, TM; Suchithra, TV	Bioinspired gelatin based sticky hydrogel for diverse surfaces in burn wound care	SCIENTIFIC REPORTS	AUG 12	2022	12	1			10.1038/s41598-022-17054-w
12	Kalirajan, C; Behera, H; Selvaraj, V; Palanisamy, T	In vitro probing of oxidized inulin cross-linked collagen-ZrO ₂ hybrid scaffolds for tissue engineering applications	CARBOHYDRATE POLYMERS	AUG 1	2022	289				10.1016/j.carbpol.2022.119458
13	Sahu, B; Jayakumar, GC; Madhan, B	The Impact of Potassium Persulfate on Linseed Oil Tanning	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	AUG	2022	117	8	338	343	
14	Natarajan, P; Karmegam, PM; Madasamy, J; Somasundaram, S	Molybdenum based nanoporous carbon silica matrix for the oxidation of volatile organic compounds present in the pharmaceutical wastewater	JOURNAL OF WATER PROCESS ENGINEERING	AUG	2022	48				10.1016/j.jwpe.2022.102886
15	Thada, R; Gunasekaran, D; Sivagnanam, UT	Amniotic Membrane Nanoparticles: An Ingenious Approach Towards Regenerative Medicine And Ocular Wound Healing	TISSUE ENGINEERING PART A	AUG 1	2022	28		154	154	
16	Manimegalai, NP; Sivagnanam, UT	A Quantitative Tack On The Nano Construct For The Modulation Of	TISSUE ENGINEERING PART A	AUG 1	2022	28		157	158	

		Inflammatory Cytokines In Burn Scars								
17	Priyadarshini, M; Das, I; Ghangrekar, MM; Blaney, L	Advanced oxidation processes: Performance, advantages, and scale-up of emerging technologies	JOURNAL OF ENVIRONMENTAL MANAGEMENT	AUG 15	2022	316				10.1016/j.jenvman.2022.115295
18	Vellingiri, B; Suriyanarayanan, A; Selvaraj, P; Abraham, KS; Pasha, MY; Winstler, H; Gopalakrishnan, AV; Singaravelu, G; Reddy, JK; Ayyadurai, N; et. al.	Role of heavy metals (copper (Cu), arsenic (As), cadmium (Cd), iron (Fe) and lithium (Li)) induced neurotoxicity	CHEMOSPHERE	AUG	2022	301				10.1016/j.chemosphere.2022.134625
19	Senthil, R; Kavukcu, SB; Cakir, S; Turkmen, H; Basaran, B; Alagumuthu, T	Utilization of various solid leather wastes for the production of blended bricks	CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY	AUG	2022	24	6	1889	1901	10.1007/s10098-022-02295-0
20	Narayani, T; Panda, B; Panda, RC; Venkatakrishnan, B; Vedaraman, N	Characterization for Cleaner and Sustainable Production of Glycerol from Tallow Under Aqueous Media at High Pressure and Temperature	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE	AUG	2022	46	4	1197	1210	10.1007/s40995-022-01341-2

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