

**CSIR-CLRI Publications for the period OCTOBER 2021
(Indexed in SCI-Expanded)**

October 2021

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1	Kaparekar, PS; Poddar, N; Anandasadagopan, SK	Fabrication and characterization of Chrysin-A plant polyphenol loaded alginate -chitosan composite for wound healing application	COLLOIDS AND SURFACES B-BIOINTERFACES	2021	206				10.1016/j.colsurfb.2021.111922
2	Kadirvelu, K; Fathima, NN	Deciphering Mechanism of Assembly of Keratin within Nanofibrous Matrix: Expanding the Horizon of Electrospun Polymer/Protein Composites	CHEMISTRYSELECTION	2021	6	40	10767	10775	10.1002/slct.202103018
3	Mannacharaju, M; Somasundaram, S; Ganesan, S	Treatment of refractory organics in secondary biological treated post tanning wastewater using bacterial cell immobilized fluidized reactor	JOURNAL OF WATER PROCESS ENGINEERING	2021	43				10.1016/j.jwpe.2021.102213
4	Rallapalli, S; Guhathakurta, S; Bishi, DK; Subbarayan, R; Mathapati, S; Korrapati, PS	A critical appraisal of humanized alternatives to fetal bovine serum for clinical applications of umbilical cord derived mesenchymal stromal cells	BIOTECHNOLOGY LETTERS	2021	43	10	2067	2083	10.1007/s10529-021-03180-4
5	Rudresh, DU; Maradagi, T; Stephen, NM;	Neoxanthin prevents H ₂ O ₂ -induced cytotoxicity in HepG2	MOLECULAR BIOLOGY REPORTS	2021	48	10	6923	6934	10.1007/s11033-021-06695-1

	Niraikulam, A; Ramudu, KN; Ponesakki, G	cells by activating endogenous antioxidant signals and suppressing apoptosis signals							
6	Mohanty, A; Borah, RK; Fatrekar, AP; Krishnan, S; Vernekar, AA	Stepping towards benign alternatives: sustainable conversion of plastic waste into valuable products	CHEMICAL COMMUNICATIONS	2021	57	80	10277	10291	10.1039/d1cc03705f
7	Banerjee, K; Debroy, M; Balla, VK; Bodhak, S	Recent progress in 3D-printed polyaryletherketone (PAEK)-based high-performance polymeric implants for musculoskeletal reconstructions	JOURNAL OF MATERIALS RESEARCH	2021	36	19	3877	3893	10.1557/s43578-021-00231-4
8	Ramalingam, S; Sreeram, KJ; Rao, JR	Green light-emitting BSA-conjugated dye supported silica nanoparticles for bio-imaging applications	NEW JOURNAL OF CHEMISTRY	2021	45	37	17116	17130	10.1039/d1nj03848f
9	Kumar, A; Alla, JP; Arathanaikotti, D; Raj, JA; Chandrababu, NK	Role of Anionic Chromium Species in Leather Tanning	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	2021	116	10	368	373	
10	Pai, RV; Morajkar, R; Gumber, N; Banerjee, AM; Meena, SS	Preparation of silica xerogel beads embedded with Fe ₂ O ₃ nanoparticles and their characterization	JOURNAL OF NANOPARTICLE RESEARCH	2021	23	10			10.1007/s11051-021-05330-1
11	Ramesh, S; Karuppasamy, K; Sivasamy, A; Kim, HS; Yadav, HM; Kim, HS	Core shell nanostructured of Co ₃ O ₄ @RuO ₂ assembled on nitrogen-doped graphene sheets electrode for an efficient	JOURNAL OF ALLOYS AND COMPOUNDS	2021	877				10.1016/j.jallcom.2021.160297

		supercapacitor application							
12	Santhakumaran, I; Narayanaswamy, R; Arumugam, G	Bioinformatic insights into the biochemical efficacy of a fungal metabolite: aspergillone	NEW JOURNAL OF CHEMISTRY	2021	45	38	17941	17950	10.1039/d1nj02938j
13	Amrutha, K; Kathirvelu, V	EPR and optical studies of Ni(II) ions in Zn(4-chloropyrazole)(6)(ClO ₄) ₂ at 300 K: Probing the structure, bonding, and electron spin relaxation	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	2021	157				10.1016/j.jpccs.2021.110224
14	Sekar, S; Gawas, P; Bhat, SV; Nutalapati, V	Highly fluorescent 2D-BCNO sheets based chemical sensor for selective detection of the explosive Dinitro and 4-nitrophenol in aqueous medium	ENVIRONMENTAL SCIENCE-NANO	2021	8	10	2908	2919	10.1039/d1en00391g

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