

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

June 2021

SI. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1	Muralidharan, V; Ramesh, RR; Madhan, B; Palanivel, S	Biochemical and Physical Changes in Goatskin during Bacterial Putrefaction	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	2021	116	6	203	212	
2	Vedaraman, N; Srinivas, K; Krishnamoorthy, D; Aparna, V; Anand, VP; Raj, AS; Abu Javid, MM; Muralidharan, C; Sundar, VJ; Iyappan, K; Velappan, KC	Development of Improved Liming Process based on Automated pH Monitoring and Control System	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	2021	116	6	213	220	
3	Gebryergs, T; Sivaranjani, C; Fathima, NN	Valorisation of Tannery Waste and Animal By-Product for Acoustics Applications	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	2021	116	6	198	202	
4	Govindarajan, D; Nandhagopal, S; Shanmuganathan, S; Ramasamy, J; Kiran, MS	Modular mucopolysaccharide gelatin naturapolyceutics hydrocolloid biomatrix with cobalt nano-additives for high density vascular network assembly	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	181		847	857	10.1016/j.ijbiomac.2021.04.016

5	Arokianathan, JF; Ramya, KA; Deshpande, AP; Leemarose, A; Shanmugam, G	Supramolecular organogel based on di-Fmoc functionalized unnatural amino acid: An attempt to develop a correlation between molecular structure and ambidextrous gelation	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	2021	618				10.1016/j.colsurfa.2021.126430
6	Ramalingam, B; Venkatachalam, SS; Kiran, MS; Das, SK	Rationally designed Shewanella oneidensis Biofilm Tailored Graphene-Magnetite Hybrid Nanobiocomposite as Reusable Living Functional Nanomaterial for Effective Removal of Trivalent Chromium	ENVIRONMENTAL POLLUTION	2021	278				10.1016/j.envpol.2021.116847
7	Natarajan, TS; Tayade, RJ	Direct dual CaIn ₂ S ₄ /Bi ₂ WO ₆ semiconductor nanocomposites with efficient inter-cross-sectional charge carrier transfer for enhanced visible light photocatalysis	JOURNAL OF NANOPARTICLE RESEARCH	2021	23	6			10.1007/s11051-021-05252-y
8	Prameela, GKS; Kumar, BVNP; Subramanian, J; Tsuchiya, K; Pan, A; Aswal, VK; Abe, M; Mandal, AB; Moulik, SP	Interaction between sodium dodecylsulfate (SDS) and pluronic L61 in aqueous medium: assessment of the nature and morphology of the	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2021	23	23	13170	13180	10.1039/d0cp06227h

		formed mixed aggregates by NMR, EPR, SANS and FF-TEM measurements							
9	Gandu, B; Palanivel, S; Juntupally, S; Arelli, V; Begum, S; Anupoju, GR	Removal of NH ₃ and H ₂ S from odor causing tannery emissions using biological filters: Impact of operational strategy on the performance of a pilot-scale bio-filter	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A- TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	2021	56	6	625	634	10.1080/10934529.2021.1903283
10	Rajendran, I; Ponrasu, T; Rajaram, R; Suguna, L	The apoptotic effect of Ferulic acid-synthesized gold nanoparticles against human epidermoid carcinoma (A431) cells via activation of caspase-3 pathway	JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY	2021	63				10.1016/j.jddst.2021.102478
11	Mayakrishnan, S; Tamizmani, M; Balachandran, C; Aoki, S; Maheswari, NU	Rh(III)-Catalysed synthesis of cinnolinium and fluoranthemium salts using C-H activation/annulation reactions: organelle specific mitochondrial staining applications	ORGANIC & BIOMOLECULAR CHEMISTRY	2021	19	24	5413	5425	10.1039/d1ob00376c
12	Damodharan, K; Arumugam, GS; Ganesan, S; Doble, M; Thennarasu, S	A comprehensive overview of vaccines developed for pandemic viral pathogens over the past two decades including those in clinical trials for the	RSC ADVANCES	2021	11	33	20006	20035	10.1039/d0ra09668g

		current novel SARS-CoV-2							
13	Bargavi, S; Gouthaman, S; Sugunalakshmi, M; Lakshmi, S	Synthesis, spectroscopic investigation, crystal structure analysis, quantum chemical study, biological activity and molecular docking of three isatin derivatives	ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY	2021	77		299		10.1107/S2053229621004940
14	Mahanty, S; Raghav, D; Rathinasamy, K	Vanadocene dichloride induces apoptosis in HeLa cells through depolymerization of microtubules and inhibition of Eg5	JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY	2021	26	4	511	531	10.1007/s00775-021-01872-w
15	Nisha, UM; Umapathy, MJ; Sivasamy, A	Effective degradation of 2,4-Dichlorophenoxy acetic acid endocrine disruptor using CeO ₂ -Bi ₂ O ₃ mixed metal oxide photocatalyst under visible light irradiation	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	32	11	14791	14800	10.1007/s10854-021-06033-y

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