

**CSIR-CLRI Publications for the period DECEMBER 2020**  
**(Indexed in SCI-Expanded)**

**DECEMBER 2020**

SI. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Saranya, R; Selvi, AT; Jayapriya, J; Aravindhana, R	Synthesis of Fat Liquor Through Fish Waste Valorization, Characterization and Applications in Tannery Industry	WASTE AND BIOMASS VALORIZATION	DEC	2020	11	12	6637	6647	10.1007/s12649-020-00944-3
2	Mohebbali, N; Pandurangan, AK; Mustafa, MR; Anandasadagopan, SK; Alagumuthu, T	Vernodalin induces apoptosis through the activation of ROS/JNK pathway in human colon cancer cells	JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY	DEC	2020	34	12			10.1002/jbt.22587
3	Ebciba, C; Gnanamani, A	Detailed studies on microbial adhesion and degradation of polystyrene foam wastes (PSFW) for clean environment	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	DEC	2020	27	35	44257	44266	10.1007/s11356-020-10272-7
4	David, PS; Karunanithi, A; Fathima, NN	Improved filtration for dye removal using keratin-polyamide blend nanofibrous membranes	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	DEC	2020	27	36	45629	45638	10.1007/s11356-020-10491-y
5	Sharma, S; Sudhakara, P; Misra, SK; Singh, J	A comprehensive review of current developments on the waste-reinforced polymer-matrix composites for automotive, sports goods and construction applications: Materials, processes and properties	MATERIALS TODAY-PROCEEDINGS	DEC	2020	33		1671	1679	10.1016/j.matpr.2020.06.523
6	Thankachan, SN; Ilamaram, M; Ayyadurai, N; Shanmugam, G	Insights into the effect of artificial sweeteners on the structure, stability, and fibrillation of type I collagen	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1-Dec	2020	164		748	758	10.1016/j.ijbiomac.2020.07.152

7	Selvakumar, G; Lonchin, S	Fabrication and characterization of collagen-oxidized pullulan scaffold for biomedical applications	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1-Dec	2020	164		1592	1599	10.1016/j.ijbiomac.2020.07.264
8	Periasamy, H; Gnanamani, A	Polymyxins resistance among Gram-negative pathogens in India	LANCET INFECTIOUS DISEASES	DEC	2020	20	12	1362	1363	10.1016/S1473-3099(20)30855-0
9	Vinayagam, M; Babu, RS; Sivasamy, A; de Barros, ALF	Biomass-derived porous activated carbon from Syzygium cumini fruit shells and Chrysopogon zizanioides roots for high-energy density symmetric supercapacitors	BIOMASS & BIOENERGY	DEC	2020	143				10.1016/j.biombioe.2020.105838
10	Maharaja, P; Boopathy, R; Anushree, VV; Mahesh, M; Swarnalatha, S; Ravindran, B; Chang, SW; Sekaran, G	Bio removal of proteins, lipids and mucopolysaccharides in tannery hyper saline wastewater using halophilic bacteria	JOURNAL OF WATER PROCESS ENGINEERING	DEC	2020	38				10.1016/j.jwpe.2020.101674
11	Melesse, AG; Velmurugan, N; Srinivasan, SV; Chacko, SP; Demissie, BA	Startup of granulation of sludge in sequencing batch airlift reactor for simultaneous removal of nitrogen and organic carbon from tannery wastewater	JOURNAL OF WATER PROCESS ENGINEERING	DEC	2020	38				10.1016/j.jwpe.2020.101605
12	Balashanmugam, P; Sucharithra, G; Mary, SA; Selvi, AT	Efficacy of biopolymeric PVA-AuNPs and PCL-Curcumin loaded electrospun nano fibers and their anticancer activity against A431 skin cancer cell line	MATERIALS TODAY COMMUNICATIONS	DEC	2020	25				10.1016/j.mtcomm.2020.101276

13	Ilamaran, M; Sundarapandian, A; Aarthi, M; Shanmugam, G; Ponesakki, G; Ramudu, KN; Niraikulam, A	Growth factor-mimicking 3,4-dihydroxyphenylalanine-encoded bioartificial extracellular matrix like protein promotes wound closure and angiogenesis	BIOMATERIALS SCIENCE	7-Dec	2020	8	23	6773	6785	10.1039/d0bm01379j
14	Divya, D; Thennarasu, S	A novel isatin-based probe for ratiometric and selective detection of Hg <sup>2+</sup> and Cu <sup>2+</sup> ions present in aqueous and environmental samples	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	15-Dec	2020	243				10.1016/j.saa.2020.118796
15	Kaparekar, PS; Pathmanapan, S; Anandasadagopan, SK	Polymeric scaffold of Gallic acid loaded chitosan nanoparticles infused with collagen-fibrin for wound dressing application	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	15-Dec	2020	165		930	947	10.1016/j.ijbiomac.2020.09.212
16	Ramamoorthi, P; Rathinam, A; Jonnalagadda, RR; Palanisamy, T	Non-aqueous green solvents improve alpha-amylase induced fiber opening in leather processing	SCIENTIFIC REPORTS	17-Dec	2020	10	1			10.1038/s41598-020-79406-8
17	Mayakrishnan, S; Tamizmani, M; Maheswari, NU	Harnessing hypervalent iodonium ylides as carbene precursors: C-H activation of N-methoxybenzamides with a Rh(III)-catalyst	CHEMICAL COMMUNICATIONS	21-Dec	2020	56	98	15462	15465	10.1039/d0cc06038k
18	Gunasekaran, D; Thada, R; Jeyakumar, GFS; Manimegalai, NP; Shanmugam, G; Sivagnanam, UT	Physicochemical characterization and self-assembly of human amniotic membrane and umbilical cord collagen: A comparative study	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	15-Dec	2020	165		2920	2933	10.1016/j.ijbiomac.2020.10.107
19	Aravind, SL; Sivapirakasam, SP; Balasubramanian, KR; Surianarayanan, M	Thermo-kinetic studies on azodicarbonamide/potassium periodate airbag gas generants	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	DEC	2020	144		15	22	10.1016/j.psep.2020.06.050

20	G.Venkatesan, T.Subramani; U.Sathya; Priyadarsi D.Roy	Seasonal changes in groundwater composition in an industrial center of south India and quality evaluation for consumption and health risk using geospatial methods	GEOCHEMISTRY	DEC	2020	80	4	12565 1		10.1016/j.chemer.2020.1 25651
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\*PD=Date of Publication; PY=Year of Publication; VL=Volume; IS=Issue; BP=Beginning Page Number; EP=Ending Page Number;  
DOI=Digital Object Identifier.