

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

**JANUARY 2021**

PT	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Sujitha, M; Jayakumar, GC; Raj, RVG; Aaron, KP; Tamilselvi, A; Kanth, SV	A fundamental insight on developing biological value product from plant wastes	JOURNAL OF CLEANER PRODUCTION	1- Jan	2021	278				10.1016/j.jclepro.2020.123043
2	Gopal, SS; Eligar, SM; Vallikannan, B; Ponesakki, G	Inhibitory efficacy of lutein on adipogenesis is associated with blockage of early phase regulators of adipocyte differentiation	BIOCHIMICA ET BIOPHYSICA ACTA- MOLECULAR AND CELL BIOLOGY OF LIPIDS	JAN	2021	1866	1			10.1016/j.bbalip.2020.158812
3	Murugappan, G; Sreeram, KJ	Nano-biocatalyst: Bi- functionalization of protease and amylase on copper oxide nanoparticles	COLLOIDS AND SURFACES B- BIOINTERFACES	JAN	2021	197				10.1016/j.colsurfb.2020.111386
4	Felciya, SJG; Devi, MV; Ramanathan, G; Poornima, V; Sivagnanam, UT	Fabrication of polyhydroxy butyric acid- Gelatin blended nanofibrous matrix integrated with silver sulfadiazine as an alternate wound	MATERIALS LETTERS	1- Jan	2021	282				10.1016/j.matlet.2020.128541

		dressing for treating burns								
5	Lakra, R; Kiran, MS; Korrapati, PS	Effect of magnesium ascorbyl phosphate on collagen stabilization for wound healing application	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1-Jan	2021	166		333	341	10.1016/j.ijbiomac.2020.10.193
6	Mohamed, SMK; Sankar, RM; Kiran, MS; Jaisankar, SN; Milow, B; Mandal, AB	Facile Preparation of Biocompatible and Transparent Silica Aerogels as Ionogels Using Choline Dihydrogen Phosphate Ionic Liquid	APPLIED SCIENCES-BASEL	JAN	2021	11	1			10.3390/app11010206
7	Pannerselvam, B; Alagumuthu, TS; Cinnaiyan, SK; Al-Dhabi, NA; Ponmurugan, K; Saravanan, M; Kanth, SV; Thangavelu, KP	In vitro Cytotoxicity and Antibacterial Activity of Optimized Silver Nanoparticles Against Wound Infectious Bacteria and Their Morphological Studies	JOURNAL OF CLUSTER SCIENCE	JAN	2021	32	1	63	76	10.1007/s10876-020-01759-x
8	Radha, G; Venkatesan, B; Jaisankar, SN; Rajashree, P; Balakumar, S	Interplay between surface chemistry and osteogenic behaviour of sulphate substituted nano-hydroxyapatite	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	JAN	2021	120				10.1016/j.msec.2020.111617

9	Inbasekar, C; Fathima, NN	Ionic Liquid Functionalised Nanoparticles Based Tanning System as a Less Chrome Tanning Approach	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	JAN	2021	116	1	11	16	
10	Pavithra, N; Aishwarya, AB; Pravin, AS; Sundar, VJ; Gnanamani, A	Exploring DNA Diversity in Leathers: An Approach on Identification of Origin	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	JAN	2021	116	1	22	29	
11	Jaimohan, SM; Naresh, MD; Mandal, AB	Parakeet Hemoglobin - Its Crystal Structure and Oxygen Affinity in Relation to Some Avian Hemoglobins	PROTEIN AND PEPTIDE LETTERS	JAN	2021	28	1	18	30	10.2174/0929866527666200320100109
12	Reddy, KP; Meerakrishna, RS; Shanmugam, P; Satpati, B; Murugadoss, A	Rapid gram-scale synthesis of Au/chitosan nanoparticles catalysts using solid mortar grinding	NEW JOURNAL OF CHEMISTRY	7-Jan	2021	45	1	438	446	10.1039/d0nj04255b
13	Priya, G; Madhan, B; Narendrakumar, U; Kumar, RVS; Manjubala, I	In Vitro and In Vivo Evaluation of Carboxymethyl Cellulose Scaffolds for Bone Tissue Engineering Applications	ACS OMEGA	19-Jan	2021	6	2	1246	1253	10.1021/acsomega.0c04551

14	Das, SK; Parandhaman, T; Dey, MD	Biomolecule-assisted synthesis of biomimetic nanocomposite hydrogel for hemostatic and wound healing applications	GREEN CHEMISTRY	21-Jan	2021	23	2	629	669	10.1039/d0gc03010d
15	Antony, GJM; Poulose, P; Aruna, ST; Shanuja, SK; Gnanamani, A; Suneetha, YK; Raja, S	Synthesis and Properties of a New Chitosan-Based Shape Memory Polymer and its Composites	CHEMISTRYSELECT	27-Jan	2021	6	4	808	819	10.1002/slct.202004712
16	Shiny, PJ; Devi, MV; Felciya, SJG; Ramanathan, G; Fardim, P; Sivagnanam, UT	In vitro and in vivo evaluation of poly-3-hydroxybutyric acid-sodium alginate as a core-shell nanofibrous matrix with arginine and bacitracin-nanoclay complex for dermal reconstruction of excision wound	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	31-Jan	2021	168		46	58	10.1016/j.ijbiomac.2020.12.025

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