

## CSIR-CLRI Publications 2021 (Indexed in SCI-Expanded)

**EARLY ACCESS (Published online prior to final assignment in a completed Volume/Issue)**

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1	Velappan, B; Gnanasekaran, S; Victor, JS; Alagumuthu, T; Nagarajan, V; Chinnaraj, VK; Chellappa, M	Characterization and application of dried neem leaf powder as a bio-additive for salt less animal skin preservation for tanneries	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH						10.1007/s11356-021-15653-0
2	Vedhanayagam, M; Kumar, AS; Nair, BU; Sreeram, KJ	Dendrimer-Functionalized Metal Oxide Nanoparticle-Mediated Self-Assembled Collagen Scaffold for Skin Regenerative Application: Function of Metal in Metal Oxides	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY						10.1007/s12010-021-03764-w
3	Hemalatha, T; Aarthy, M; Pandurangan, S; Kamini, NR; Ayyadurai, N	A deep dive into the darning effects of biomaterials in infarct myocardium: current advances and future perspectives	HEART FAILURE REVIEWS						10.1007/s10741-021-10144-3
4	Mozhiarasi, V; Speier, CJ; Rose, PMB; Weichgrebe, D; Venkatachalam, SS	Influence of pre-treatments and anaerobic co-digestion of slaughterhouse waste with vegetable, fruit and flower market wastes for enhanced methane production	BIOMASS CONVERSION AND BIOREFINERY						10.1007/s13399-021-01709-1
5	Mohan, R; Deevakar, L; Sivakumar, V	Towards holistic technology solution to chromite ore processing residue (COPR) challenge; global issue: review and analysis	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY						10.1007/s13762-020-03097-x
6	Rathore, HS; Sivagnanam, UT; Abraham, LS; Prakash,	Green synthesized silver nanoparticles-impregnated novel gum kondagogu-	POLYMER BULLETIN						10.1007/s00289-021-03832-5

	D; Panda, RC; Senthilvelan, T	chitosan biosheet for tissue engineering and wound healing applications							
7	Venkatachalam, M; Rathinam, A; Rao, JR; Krishnan, C	Bioconversion of animal hair waste using salt- and sulphide-tolerant Bacillus sp. KLP1 and depilation using keratinase	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY						10.1007/s13762-021-03437-5
8	Prabhakaran, N; Murugan, KP; Jothieswari, M; Swarnalatha, S; Sekaran, G	Tannery wastewater treatment process to minimize residual organics and generation of primary chemical sludge	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY						10.1007/s13762-021-03634-2
9	Sundar, J; Aaron, KP	A Novel Stabilization of Skin Protein Using Replenishable Tanning Agents - Mineral-free Fragrant Garment Leathers	JOURNAL OF NATURAL FIBERS						10.1080/15440478.2021.1993503
10	Dayanidhi, PD; Vaidyanathan, VG	Understanding the ancillary ligand effect on luminescent cyclometalated Ir(III) complex as a reporter for 2-acetylaminofluorene DNA(AAF-dG) adduct	JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY						10.1007/s00775-021-01920-5
11	Gayathri, V; Jaisankar, SN; Samanta, D	Temperature and pH responsive polymers: sensing applications	JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY						10.1080/10601325.2021.1988636
12	Sathish, M; Gobinath, T; Sundaramanickam, A; Saranya, K; Nithin, A; Surya, P	Biomedical applications of carrageenan hydrogel impregnated with zinc oxide nanoparticles	INORGANIC AND NANO-METAL CHEMISTRY						10.1080/24701556.2021.1952243
13	Pathmanapan, S; Sekar, M; Pandurangan, AK; Anandasadagopan, SK	Fabrication of Mesoporous Silica Nanoparticle-Incorporated Coaxial Nanofiber for Evaluating the In Vitro Osteogenic Potential	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY						10.1007/s12010-021-03741-3

14	Maradagi, T; Kumar, R; Ponesakki, G	Hyperglycaemia-induced human hepatocellular carcinoma (HepG2) cell proliferation through ROS-mediated P38 activation is effectively inhibited by a xanthophyll carotenoid, lutein	DIABETIC MEDICINE						10.1111/dme.14713
15	Selvakumar, G; Venu, D; Kuttalam, I; Lonchin, S	Inhibition of Advanced Glycation End Product Formation in Rat Tail Tendons by Polydatin and p-Coumaric acid: an In Vitro Study	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY						10.1007/s12010-021-03762-y
16	Chakladar, S; Mohanty, A; Patar, PK; Chakravarty, S; Mandal, S; Mallick, S; Jha, BC; Singh, NK; Shukla, BN	Demineralization of high ash non-coking coal fines of Indian origin using Castor oil: Implications of wet milling	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION						10.1080/19392699.2021.1946800
17	Vasantharaj, S; Shivakumar, P; Sathiyavimal, S; Senthilkumar, P; Vijayaram, S; Shanmugavel, M; Pugazhendhi, A	Antibacterial activity and photocatalytic dye degradation of copper oxide nanoparticles (CuONPs) using Justicia gendarussa	APPLIED NANOSCIENCE						10.1007/s13204-021-01939-9
18	Nawabjohn, MS; Sivaprakasam, P; Anandasadagopan, SK; Begum, AA; Pandurangan, AK	Green Synthesis and Characterisation of Silver Nanoparticles Using Cassia tora Seed Extract and Investigation of Antibacterial Potential	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY						10.1007/s12010-021-03651-4
19	Essomba, JS; Alla, JP; Belibi, PDB; Fathima, NN	Clay/polymer nanocomposite material: a sustainable approach of leather industries wastewater treatment	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY						10.1007/s13762-021-03376-1
20	Raghavan, SS; Iqbal, S; Niraikulam, A; Gunasekaran, K	Insights in the structural understanding of amyloidogenicity and mutation-led conformational	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS						10.1080/07391102.2021.1871955

		dynamics of amyloid beta (A beta) through molecular dynamics simulations and principal component analysis							
21	Thirunavukarasu, N; Panda, RC	Performance analysis using economic model predictive control for hydrolysis of tallow fat	ASIAN JOURNAL OF CONTROL						10.1002/asjc.2665

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