

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

JUNE 2020

SI. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Thilagam, R; Gnanamani, A	Preparation, characterization and stability assessment of keratin and albumin functionalized gold nanoparticles for biomedical applications	APPLIED NANOSCIENCE	JUN	2020	10	6	1879	1892	10.1007/s13204-020-01250-z
2	Balamurugan, M; Jeong, HY; Choutipalli, VSK; Hong, JS; Seo, H; Saravanan, N; Jang, JH; Lee, KG; Lee, YH; Im, SW; Subramanian, V; Kim, SH; Nam, KT	Electrocatalytic Reduction of CO ₂ to Ethylene by Molecular Cu-Complex Immobilized on Graphitized Mesoporous Carbon	SMALL	JUN	2020			16	25	10.1002/smll.202000955
3	Jayanthi, D; Victor, JS; Chellan, R; Chellappa, M	Influence of galactosidases on glycosaminoglycan removal Vis-a-Vis opening up of skin matrix to enable complete rehydration	BIOPROCESS AND BIOSYSTEMS ENGINEERING	JUN	2020	43	6	1061	1070	10.1007/s00449-020-02304-w
4	Durairaj, P; Venkatesan, S; Narayanan, V; Babu, M	Protective effects of curcumin on bleomycin-induced changes in lung glycoproteins	MOLECULAR AND CELLULAR BIOCHEMISTRY	JUN	2020	469	2-Jan	159	167	10.1007/s11010-020-03737-3

5	Kalirajan, C; Palanisamy, T	Bioengineered Hybrid Collagen Scaffold Tethered with Silver-Catechin Nanocomposite Modulates Angiogenesis and TGF-beta Toward Scarless Healing in Chronic Deep Second Degree Infected Burns	ADVANCED HEALTHCARE MATERIALS	JUN	2020	9	12			10.1002/adhm.202000247
6	Sangeetha, S; Sreepradha, C; Sobana, S; Bidisha, P; Panda, RC	Modeling and Control of the Glucose-Insulin-Glucagon System in Type I Diabetes Mellitus	CHEMBIOENG REVIEWS	JUN	2020	7	3	89	100	10.1002/cben.201900015
7	Balamurugan, M; Jeong, HY; Choutipalli, VSK; Hong, JS; Seo, H; Saravanan, N; Jang, JH; Lee, KG; Lee, YH; Im, SW; Subramanian, V; Kim, SH; Nam, KT	Electrocatalytic Reduction of CO2 to Ethylene by Molecular Cu-Complex Immobilized on Graphitized Mesoporous Carbon	SMALL	JUN	2020	16	25			10.1002/sml.202000955
8	Prakash, R; Mandal, S; Bheeter, SR	Bio-polymer modified layered double hydroxide extrudates: A novel approach towards adsorptive purification of water	JOURNAL OF WATER PROCESS ENGINEERING	JUN	2020	35				10.1016/j.jwpe.2020.101208
9	Rajavenkatesh, K; Padmaja, M; Janani, I; Aishwarya, S; Sai, KP; Thennarasu, S	Design and synthesis of a novel peptide for selective detection of cancer cells	CHEMICAL BIOLOGY & DRUG DESIGN	JUN	2020	95	6	610	623	10.1111/cbdd.13675

10	Pannerselvam, B; Devanathadesikan, V; Alagumuthu, TS; Kanth, SV; Thangavelu, KP	Assessment of in-vivo biocompatibility evaluation of phytogenic gold nanoparticles on Wistar albino male rats	IET NANOBIOTECHNOLO GY	JUN	202 0	14	4	314	324	10.1049/iet-nbt.2019.0116
11	Dhandapani, B; Mahadevan, S; Muthiah, S	Conversion of Agro By-Products to an Alkaline Protease by Aspergillus tamarai and the Usefulness of Its Metabolic Heat for Better Process Understanding	WASTE AND BIOMASS VALORIZATION	JUN	202 0	11	6	262 3	262 9	10.1007/s12649-019-00608-x
12	Ramanathan, G; Sobhanadhas, LSS; Jeyakumar, GFS; Devi, V; Sivagnanam, UT; Fardim, P	Fabrication of Biohybrid Cellulose Acetate-Collagen Bilayer Matrices as Nanofibrous Spongy Dressing Material for Wound-Healing Application	BIOMACROMOLECUL ES	JUN	202 0	21	6	251 2	252 4	10.1021/acs.biomac.0c00516
13	Raman, A; Neelambra, AU; Karunakaran, V; Easwaramoorthi, S	Non- photoisomerizable butterfly shaped tetrasubstituted azobenzenes: synthesis and photophysical studies	NEW JOURNAL OF CHEMISTRY	7-Jun	202 0	44	21	881 8	882 2	10.1039/d0nj01092h
14	Karunanidhi, A; David, PS; Fathima, NN	Electrospun Keratin- Polysulfone Blend Membranes for Treatment of Tannery Effluents	WATER AIR AND SOIL POLLUTION	9-Jun	202 0	23 1	6			10.1007/s11270-020-04682-z
15	Karthik, S; Ajantha, J; Easwaramoorthi, S; Gandhi, T	Pyrenoimidazole- fused phenanthridine derivatives with intense red excimer	NEW JOURNAL OF CHEMISTRY	14-Jun	202 0	44	22	953 0	953 9	10.1039/d0nj01223h

		fluorescence in the solid state								
16	Thangavelu, SAG; Mukherjee, M; Kannan, L; Chelike, DK; Sulthana, YR; Raman, RK; Alagumalai, A; Vairamuthu, M; Mandal, AB	Biodegradable polyurethanes foam and foam fullerenes nanocomposite strips by one-shot moulding: Physicochemical and mechanical properties	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	15-Jun	2020	112				10.1016/j.mssp.2020.105018
17	Antony, GS; Manna, A; Baskaran, S; Puhazhendi, P; Ramchary, A; Niraikulam, A; Ramudu, KN	Non-enzymatic reduction of Cr (VI) and its effective biosorption using heat-inactivated biomass: A fermentation waste material	JOURNAL OF HAZARDOUS MATERIALS	15-Jun	2020	392				10.1016/j.jhazmat.2020.122257
18	Mannacharaju, M; Somasundaram, S; Ganesan, S	Treatment of post tanning wastewater with minimum sludge generation using sequential anoxic/oxic bioreactor and its microbial community profile	JOURNAL OF WATER PROCESS ENGINEERING	JUN	2020	35				10.1016/j.jwpe.2020.101244
19	Sharma, S; Singh, M; Jayaram-Babu, N; Rao, KV; Singh, J	Investigation of Properties of Mg and Al Based Nano Hybrid-Metallic Composites Processed Through Liquid Processing Technique	ADVANCES IN DESIGN, SIMULATION AND MANUFACTURING II	JUN	2020			466	476	10.1007/978-3-030-22365-6_47

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