

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

October 2020

SI. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Venugopal, S; Khambhaty, Y	Agro-residues for enhanced production of bio-colorants: a feasible approach for dyeing and surface coating of leather	CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY	OCT	2020	22	8	1687	1700	10.1007/s10098-020-01900-4
2	Ramesh, B; Kavitha, G; Gokiladevi, S; Balachandar, RK; Kavitha, K; Gengadharan, AC; Puvanakrishnan, R	Effect of Extremely Low Power Time-Varying Electromagnetic Field on Germination and Other Characteristics in Foxtail Millet (<i>Setaria italica</i>) Seeds	BIOELECTROMAGNETICS	OCT	2020	41	7	526	539	10.1002/bem.22292
3	Muthiah, B; Lovina; Arthi; Muthukrishnan, L; Lett, JA; Sagadevan, S; Kesavan, S; Vennila, S; Khan, MA; Hegazy, HH; Ahmad, N	Eucalyptus Concoction Mediated Synthesis of Gold Nanoparticles and Its Bioactive Role Explored via Antimicrobial and Cytotoxic Studies	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	OCT	2020	20	10	6326	6333	10.1166/jnn.2020.17897
4	Jiji, S; Udhayakumar, S; Maharajan, K; Rose, C; Muralidharan, C; Kadirvelu, K	Bacterial cellulose matrix with in situ impregnation of silver nanoparticles via catecholic redox chemistry for third degree burn wound healing	CARBOHYDRATE POLYMERS	1-Oct	2020	245				10.1016/j.carbpol.2020.116573

5	Ragothaman, M; Mekonnen, BT; Palanisamy, T	Synthesis of magnetic Fe-Cr bimetallic nanoparticles from industrial effluents for smart material applications	MATERIALS CHEMISTRY AND PHYSICS	1-Oct	2020	253				10.1016/j.matchemphys.2020.123405
6	Pathmanapan, S; Periyathambi, P; Anandasadagopan, SK	Fibrin hydrogel incorporated with graphene oxide functionalized nanocomposite scaffolds for bone repair - In vitro and in vivo study	NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE	OCT	2020	29				10.1016/j.nano.2020.102251
7	Alam, MS; Rajendran, SK; Mondal, JH; Linda, E; Siddiq, AM	The micellar and thermophysical studies of a surfactant, sodium dodecyl sulfate with a hydrotrope, 3-Nitrobenzene sulfonic acid sodium salt	JOURNAL OF MOLECULAR LIQUIDS	1-Oct	2020	315				10.1016/j.molliq.2020.113815
8	Kanagaraj, J; Panda, RC; Kumar, MV	Trends and advancements in sustainable leather processing: Future directions and challenges-A review	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	OCT	2020	8	5			10.1016/j.jece.2020.104379
9	Srivastava, R; Alam, MS	The multi - spectroscopic approach on the interaction between rabbit serum albumin and cationic surfactant: Investigation on the formation and solubilization of the protein aggregation	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	5-Oct	2020	239				10.1016/j.saa.2020.118542

10	Bhargavi, N; Dhathathreyan, A; Sreeram, KJ	Design of pH-Induced complex coacervates of gelatin and wattle	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	5-Oct	2020	602					10.1016/j.colsurfa.2020.125148
11	Vijayaraghavan, R; Kar, M; Sivanesh, NE; Samuel, VJ; Surianarayanan, M; Olsen, S; MacFarlane, DR	Influence of ion structure on thermal runaway behaviour of aprotic and protic ionic liquids	CHEMICAL COMMUNICATIONS	11-Oct	2020	56	79	11819	11822		10.1039/d0cc04937a
12	Patra, S; Saravanan, P; Das, B; Subramanian, V; Patra, S	Scaffold-based Screening and Molecular Dynamics Simulation Study to Identify Two Structurally Related Phenolic Compounds as Potent MMP1 Inhibitors	COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING	OCT	2020	23	8	757	774		10.2174/1386207323666200428114216
13	Nagabalaji, V; Muthukumar, T; Juhna, JR; Srinivasan, SV; Suthanthararajan, R	Effect of food to microalgal biomass ratio on the assimilation of ammoniacal nitrogen from the secondary treated tannery effluent coupled with bio-energy generation using grown algal biomass	DESALINATION AND WATER TREATMENT	OCT	2020	200		65	73		10.5004/dwt.2020.25978
14	Murugan, NA; Muvva, C; Jeyarajpandian, C; Jeyakanthan, J; Subramanian, V	Performance of Force-Field- and Machine Learning-Based Scoring Functions in Ranking MAO-B Protein-Inhibitor Complexes in Relevance to Developing Parkinson's Therapeutics	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	OCT	2020	21	20				10.3390/ijms21207648

15	Choudhary, P; Ramalingam, B; Das, SK	Fabrication of Chitosan-Reinforced Multifunctional Graphene Nanocomposite as Antibacterial Scaffolds for Hemorrhage Control and Wound-Healing Application	ACS BIOMATERIALS SCIENCE & ENGINEERING	OCT	2020	6	10	5911	5929	10.1021/acsbiomaterials.0c00923
16	Balakrishnan, A; Kanchinadham, SBK; Kalyanaraman, C	Assessment on biodegradability prediction of tannery wastewater using EPI Suite BIOWIN model	ENVIRONMENTAL MONITORING AND ASSESSMENT	29-Oct	2020	192	11			10.1007/s10661-020-08661-z
17	Saineetha, A; Sharma, S; Reddy, AVD; Jayarambabu, N; Kumar, NVM; Rao, KV; Kumar, KV	Template assisted electro-chemical synthesis and micro-structural characterization of copper and copper selenide based polymer thin films as nano ensembles applications	MATERIALS TODAY-PROCEEDINGS	OCT	2020	26		130	133	10.1016/j.matpr.2019.06.656
18	Sharma, S; Reddy, AVD; Jayarambabu, N; Kumar, NVM; Saineetha, A; Rao, KV; Kailasa, S	Synthesis and characterization of Titanium dioxide nanopowder for various energy and environmental applications	MATERIALS TODAY-PROCEEDINGS	OCT	2020	26		158	161	10.1016/j.matpr.2019.09.203

19	Sharma, S; Reddy, AVD; Jayarambabu, N; Kumar, NVM; Saineetha, A; Kailasa, S; Rao, KV	Micro-structural, optical and vibrational spectra analysis of Lead sulphide, Cadmium doped PbS and Strontium doped PbS nanostructured thin films synthesized through Successive Ionic Layer Adsorption and Reaction technique for solar cell and infrared detector sensor applications	MATERIALS TODAY-PROCEEDINGS	OCT	2020	26		162	171	10.1016/j.matpr.2019.10.155
20	Reddy, MG; Lobo, NP; Ramanathan, KV; Narasimhaswamy, T	Molecular Order of Topologically Variant Flexible Mesogens by C-13 Nuclear Magnetic Resonance	LANGMUIR	27-Oct	2020	36	42	12620	12631	10.1021/acs.langmuir.0c02182
21	Yaragani, M; Yadlapalli, P; Raghavan, S; Ayyadurai, N; Chinnusamy, S; Mandava, VBR; Kottapalli, RP	Design and synthesis of novel tetrahydrofuran cyclic urea derivatives as androgen receptor antagonists	JOURNAL OF CHEMICAL SCIENCES	7-Oct	2020	132	1			10.1007/s12039-020-01833-x

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