

CSIR-CLRI Publications for the period MARCH 2022
(Indexed in SCI-Expanded)

MARCH 2022

SL. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Ramesh, RR; Jonnalagadda, RR	Fabrication of zirconium based coordination polymers for fluorine/silane free superhydrophobic coatings	CHEMICAL ENGINEERING JOURNAL	MAR 1	2022	431				10.1016/j.cej.2021.134262
2	Mandal, S; Johri, S; Govind, M	Aluminium hydroxide impregnated sawdust adsorbent: An eco-friendly and low-cost strategy for defluoridation of water	INDIAN JOURNAL OF CHEMICAL TECHNOLOGY	MAR	2022	29	2	139	148	
3	Vedakumari, SW; Prabu, P; Jancy, SJV; Pravin, YR; Manickavasagam, K; Sastry, TP	Radiopaque fibrin nanocomplex as a promising tool for X-ray imaging applications	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	MAR 1	2022	200		285	292	10.1016/j.ijbiomac.2021.12.164
4	Chaitanya, NK; Rao, YNS; Choutipalli, VSK; Mainkar, PS; Subramanian, V; Chandrasekhar, S	Cascade aryne aldol insertion/vinylogous reaction of vinyl-substituted beta-keto/enol carbonyls	CHEMICAL COMMUNICATIONS	MAR 3	2022	58	19	3178	3181	10.1039/d1cc06810e
5	Gouthaman, S; Jayaraj, A; Sugunalakshmi, M; Sivaraman, G; Swamy, PCA	Supramolecular self-assembly mediated aggregation-induced emission of fluorene-derived cyanostilbenes: multifunctional probes for live cell-imaging	JOURNAL OF MATERIALS CHEMISTRY B	MAR 30	2022	10	13	2238	2250	10.1039/d1tb02322e
6	Rathinavel, S; Indrakumar, J;	Synthesis and fabrication of amine functionalized SBA-15 incorporated PVA/Curcumin	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL	MAR 20	2022	637				10.1016/j.colsurfa.2021.128185

	Korrapati, PS; Dharmalingam, S	nanofiber for skin wound healing application	L AND ENGINEERING ASPECTS							
7	Singh, PK; Chakrabarty, D; Dwivedi, S; Kumar, A; Singh, SP; Sinam, G; Niranjana, A; Singh, PC; Chatterjee, S; Majumdar, D; Tiwari, M; Tripathi, RD	Nitric oxide-mediated alleviation of arsenic stress involving metalloid detoxification and physiological responses in rice (<i>Oryza sativa</i> L.)	ENVIRONMENTAL POLLUTION	MAR 15	2022	297				10.1016/j.envpol.2021.118694
8	Muni, RN; Singh, J; Kumar, V; Sharma, S; Sudhakara, P; Aggarwal, V; Rajkumar, S	Multiobjective Optimization of EDM Parameters for Rice Husk Ash/Cu/Mg-Reinforced Hybrid Al-0.7Fe-0.6Si-0.375Cr-0.25Zn Metal Matrix Nanocomposites for Engineering Applications: Fabrication and Morphological Analysis	JOURNAL OF NANOMATERIALS	MAR 31	2022	202 2				10.1155/2022/2188705
9	Alam, MS; Siddiq, AM; Ali, M	The micellization studies of cationic gemini surfactant, hexanediyl-1,6-bis(dimethylcetylammmonium bromide solutions by conductometric, tensiometric, dye solubilisation, FTIR and H-1 NMR: The influence of adenosine and temperature	JOURNAL OF MOLECULAR LIQUIDS	MAR 1	2022	349				10.1016/j.molliq.2021.118386
10	Maanvizi, S; Radhakrishnan, N; Krishnan, C; Gnanamani, A	Pharmacological evaluation of embelin - chitosan nanoparticles as an antidiabetic agent	INDIAN JOURNAL OF PHARMACOLOGY	MAR- APR	2022	54	2	126	130	10.4103/ijp.ijp_47_20

11	Palapetta, SC; Gurusamy, H; Krishnan, S; Ponnusamy, S	Facile Multicomponent Synthesis, Computational, and Docking Studies of Spiroindoloquinazoline Compounds	ACS OMEGA	MAR 8	2022	7	9	787 4	7884	10.1021/acsomega. 1c06781
12	Sahu, S; Banu, S; Sahu, AK; Kumar, BVNP; Mishra, AK	Molecular-level insights into inherent heterogeneity of maline deep eutectic system	JOURNAL OF MOLECULAR LIQUIDS	MAR 15	2022	350				10.1016/j.molliq.20 22.118478

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