

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

November 2020

Sl. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Mohammed, SA; Naisini, A; Madhan, B; Demessie, BA	Rumex abyssinicus(mekmeko): A newer alternative for leather manufacture	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	NOV	2020	39	6			10.1002/ep.13453
2	Arumugam, N; Dhandapani, B; Mahadevan, S	Optimized production of extracellular alkaline protease from <i>Aspergillus tamarii</i> with natural by-products in a batch stirred tank bioreactor	PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY	2-Nov	2020	50	10	992	999	10.1080/10826068.2020.1777426
3	Sujatha, V; Panda, RC	Time domain modeling and control of complex non-linear chemical processes using relay feedback test	TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL	20-Nov	2020	42	15	2885	2907	10.1177/0142331220931968
4	Rajeswari, B; Malarvizhi, N; Prakash, D; Jaisankar, SN	Viscoelastic, thermal, and morphological properties of nanocomposites based on modified PVA using a twin-screw melt extrusion process	JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS	NOV	2020	33	11	1555	1568	10.1177/0892705719832650
5	Sathiyavimal, S; Vasantharaj, S; Shanmugavel, M; Manikandan, E; Nguyen-Tri, P; Brindhadevi, K; Pugazhendhi, A	Facile synthesis and characterization of hydroxyapatite from fish bones: Photocatalytic degradation of industrial dyes (crystal violet and Congo red)	PROGRESS IN ORGANIC COATINGS	NOV	2020	148				10.1016/j.porgcoat.2020.105890

6	Sudhakar, M; Sasikumar, SJ; Silambanan, S; Natarajan, D; Ramakrishnan, R; Nair, AJ; Kiran, MS	Chlorogenic acid promotes development of brown adipocyte-like phenotype in 3T3-L1 adipocytes	JOURNAL OF FUNCTIONAL FOODS	NOV	2020	74					10.1016/j.jff.2020.104161
7	Hemalatha, T; UmaMaheswari, T; Anbukkarasi, K; Ayyadurai, N	Imaging and anti-apoptotic potentials of oleyl chitosan coated quercetin nanocomposite: In vitro perspectives	MATERIALS LETTERS	15-Nov	2020	279					10.1016/j.matlet.2020.128496
8	Reddy, R. Ravikanth; Reddy, Jithender G.; Kumar, B. V. N. Phani	NMR investigations on binding and dynamics of imidazolium-based ionic liquids with HEWL	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	7-Nov	2020	22	41	23824	23836		<a href="https://doi.org/10.1039/D0CP04584E">https://doi.org/10.1039/D0CP04584E</a>
9	Suresh, M; Sivasamy, A	Fabrication of graphene nanosheets decorated by nitrogen-doped ZnO nanoparticles with enhanced visible photocatalytic activity for the degradation of Methylene Blue dye	JOURNAL OF MOLECULAR LIQUIDS	1-Nov	2020	317					10.1016/j.molliq.2020.114112
10	Reddy, MG; Lobo, NP; Roy, A; Ramanathan, KV; Narasimhaswamy, T	Strikingly different molecular organization and molecular order of tetracatenar mesogens in columnar mesophases revealed by XRD and C-13 NMR	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	7-Nov	2020	22	41	23986	23997		10.1039/d0cp03933k
11	Mandare, N; Shanmugam, P; Sundararajan, M; Choudhury, SD	Unravelling the photophysics of triphenylamine and diphenylamine dyes: a comprehensive investigation with ortho-, meta- and para-amido substituted derivatives	NEW JOURNAL OF CHEMISTRY	28-Nov	2020	44	44	19061	19075		10.1039/d0nj04569a

12	Prakash, C; Singh, S; Sharma, S; Garg, H; Singh, J; Kumar, H; Singh, G	Fabrication of aluminium carbon nano tube silicon carbide particles based hybrid nano-composite by spark plasma sintering	MATERIALS TODAY-PROCEEDING S	NOV	2020	21		1637	1642	10.1016/j.matpr.2019.11.273
13	Prakash, C; Singh, S; Sharma, S; Singh, J; Singh, G; Mehta, M; Mittal, M; Kumar, H	Fabrication of low elastic modulus Ti(50)Nb(30)HA(20) alloy by rapid microwave sintering technique for biomedical applications	MATERIALS TODAY-PROCEEDING S	NOV	2020	21		1713	1716	10.1016/j.matpr.2019.12.050
14	Ramya, KA; Reddy, SMM; Shanmugam, G; Deshpande, AP	Fibrillar Network Dynamics during Oscillatory Rheology of Supramolecular Gels	LANGMUIR	10-Nov	2020	36	44	13342	13355	10.1021/acs.langmuir.0c02641

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