

**CSIR-CLRI Publications for the period AUGUST 2021
(Indexed in SCI-Expanded)**

August 2021

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1	Boopathi, AA; Bhavani, T; Lobo, NP; Narasimhaswamy, T	C-13 NMR investigations and molecular order of nematogens with biphenyl and bithiophene at terminus	LIQUID CRYSTALS	2021	48	10	1477	1491	10.1080/02678292.2021.1883139
2	Yuvaraj, P; Ajantha, J; Karuppusamy, M; Easwaramoorthi, S; Rao, JR	Hydrogen Bond-Assisted Colorimetric Picomolar Level Detection of Hg ²⁺ Ions in 100% Aqueous Solution	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2021	9	30	10309	10317	10.1021/acssuschemeng.1c03127
3	Krishnan, S; Dusane, A; Morajkar, R; Venkat, A; Vernekar, AA	Deciphering the role of nanostructured materials in the point-of-care diagnostics for COVID-19: a comprehensive review	JOURNAL OF MATERIALS CHEMISTRY B	2021	9	30	5967	5981	10.1039/d1tb01182k
4	Divya, D; Thennarasu, S	Rotational Isomerization about C-C Single Bond in a Novel ICT Probe Facilitates Naked-Eye, Colorimetric and Ratiometric Detection of Cobalt	CHEMISTRYSELECT	2021	6	32	8299	8305	10.1002/slct.202101089

		in Aqueous Samples**							
5	Ajantha, J; Yuvaraj, P; Karuppusamy, M; Easwaramoorthi, S	Single-Molecule White-Light-Emitting Starburst Donor-Acceptor Triphenylamine Derivatives and Their Application as Ratiometric Luminescent Molecular Thermometers	CHEMISTRY-A EUROPEAN JOURNAL	2021	27	44	11319	11325	10.1002/chem.202100748
6	Balakrishnan, A; Kanchinadham, SBK; Kalyanaraman, C	Nutrient requirement of tannery wastewater containing tannins	ENVIRONMENTAL TECHNOLOGY & INNOVATION	2021	23				10.1016/j.eti.2021.101776
7	Sharma, S; Sudhakara, P; Singh, J; Ilyas, RA; Asyraf, MRM; Razman, MR	Critical Review of Biodegradable and Bioactive Polymer Composites for Bone Tissue Engineering and Drug Delivery Applications	POLYMERS	2021	13	16			10.3390/polym13162623
8	Rao, RR; Sathish, M; Rao, JR	Research advances in the fabrication of biosafety and functional leather: A way-forward for effective management of COVID-19 outbreak	JOURNAL OF CLEANER PRODUCTION	2021	310				10.1016/j.jclepro.2021.127464
9	Xavier, J; Patnaik, SK; Panda, RC	Process Modeling, Identification Methods, and Control Schemes for Nonlinear	CHEMBIOENG REVIEWS	2021	8	4	392	412	10.1002/cben.202000017

		Physical Systems - A Comprehensive Review							
10	Vasanthapalaniappan, K; Palani, K; Saravanabhavan, SS; Jonna, N; Pounsamy, M; Natarajan, K; Huh, YS; Natesan, B	A study on novel coupled membrane bioreactor with electro oxidation for biofouling reduction	ENVIRONMENTAL ENGINEERING RESEARCH	2021	26	4			10.4491/eer.2020.039
11	Devaraj, T; Aathika, S; Mani, Y; Jagadiswary, D; Evangeline, SJ; Dhanasekaran, A; Palaniyandi, S; Subramanian, S	Application of Artificial Neural Network as a nonhazardous alternative on kinetic analysis and modeling for green synthesis of cobalt nanocatalyst from Ocimum tenuiflorum	JOURNAL OF HAZARDOUS MATERIALS	2021	416				10.1016/j.jhazmat.2021.125720

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