

CSIR-CLRI Publications for the period DECEMBER 2024 (Indexed in SCI-Expanded)

DECEMBER 2024

Sl. No.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Khambhaty, Y; Ramya, KR; Alagamuthu, T	Exploring medicinal potential of <i>Bixa orellana</i> L. root extract: Synthesis and analysis of silver nanoparticles	<i>Indian Journal of Experimental Biology</i>	62	12	1001	1009	2024	10.56042/ijeb.v62i12.8081
2.	Banerjee, K; Mathew, C; Inbasekar, C; Fathima, NN	Mechanistic insights on stabilization and destabilization effect of ionic liquids on type I collagen fibrils	<i>Journal of the Mechanical Behavior of Biomedical Materials</i>	160				2024	10.1016/j.jmbbm.2024.106772
3.	Pratap, G; Reddy, YSK; Lobo, NP; Ramanathan, KV; Narasimhaswamy, T	¹³ C CSA Tensors and Orientational Order of Model and Dimer Mesogens Comprising of Phenyl Benzoate	<i>Chemphyschem</i>	25	24			2024	10.1002/cphc.202300749
4.	Bansal, D; Nataraj, G; Sivaganesan, P; Das, MK; Chaudhuri, S	Syntheses of Novel Spirobenzazepinoindole Derivatives via Lewis-Acid Catalyzed Pictet-Spengler Cyclization	<i>Chemistry-An Asian Journal</i>	19	24			2024	10.1002/asia.202401025

5.	Sivaganesan, P; Elanchezhian, C; Bansal, D; Sarkar, J; Chaudhuri, S	A convenient proline catalysed Paal-Knorr synthesis of highly substituted pyrrole: construction of a pyrrolo[2,1- <i>a</i>]isoquinoline scaffold	<i>New Journal of Chemistry</i>	48	47	20034	20040	2024	10.1039/d4nj04636f
6.	Duraisamy, DK; Chellani, S; Saveri, P; Deshpande, AP; Shanmugam, G	Boosting Supramolecular Gelation Efficiency and Properties: Ionic Strength as a Key to Superior Hydrogels	<i>Langmuir</i>	40	49	26114	26124	2024	10.1021/acs.langmuir.4c03594
7.	Kanemoto, SO; Onana, PCM; Cheumani, AMY; Ndikontar, MK; Lakshmi, MS	Thermal stability of flexible polyurethane foams obtained from reactive phosphorus-containing polyols dispersed in polyethylene glycol	<i>Iranian Polymer Journal</i>	33	12	1701	1711	2024	10.1007/s13726-024-01351-4
8.	Meganathan, MK; Sasikala, H; Ramalingam, S	Self-Healable UV-Triggered Silica-Polyurethane Nanocomposite-Reinforced Fabric Coating: Implications for Protective Fabrics	<i>ACS Applied Nano Materials</i>	7	24	28713	28724	2024	10.1021/acsanm.4c05966

9.	Banu, GN; Lazuli, ARSC; Ramalingam, V; Esackraj, K; Sivasankaran, RP; Choi, W; Neppolian, B	Egg Shell Mediated Ni ₅ /Polypyrrole Electrocatalyst for Sustainable Water Splitting	<i>Energy & Fuels</i>	39	1	750	763	2024	10.1021/acs.energyfuels.4c03688
10.	Bhoopathy, J; Sathyaraj, WV; Yesudhasan, BV; Rajendran, S; Dharmalingam, S; Seetharaman, J; Muthu, R; Murugesan, R; Raghunandhakumar, S; Anandasadagopan, SK	Haemostatic potency of sodium alginate/aloe vera/sericin composite scaffolds - preparation, characterisation, and evaluation	<i>Artificial Cells and Nanomedicine Biotechnology</i>	52	1	35	45	2024	10.1080/21691401.2023.2293784
11.	Swaminathan, S; Haribabu, J; Karvembu, R	From Concept to Cure: The Road Ahead for Ruthenium-Based Anticancer Drugs	<i>Chemmedchem</i>	19	23			2024	10.1002/cmdc.202400435

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