

CSIR-CLRI Publications for the period of May 2025 (Indexed in SCI-Expanded)

APRIL 2025

SL. No.	AUTHOR	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Sundaramurthy, SL; Geetha, K; Shanmugam, G; Gomathi, T; Logesh, G; Vijayakumar, S	Synthesis, crystal structure, characterization and antimicrobial activities of ternary chiral mononuclear Schiff base copper(II) complexes	<i>Journal of Trace Elements in Medicine and Biology</i>	88				2025	10.1016/j.jtemb.2025.127590
2.	Shelly, K; Kartik, R; Dhamodharan, R	Facile chemical modification of solid alkaline lignin and chitosan via nucleophilic substitution with organohalides in the vapor phase	<i>International Journal of Biological Macromolecules</i>	304				2025	10.1016/j.ijbiomac.2025.140696
3.	Bansal, D; Sivaganesan, P; Elanchezian, C; Nataraj, G; Das, MK; Chaudhuri, S	Water Mediated Chemoselective Synthesis of Novel Spiro Benzoxazinoindoline and Extended Synthesis of Spiro Benzoxazinoindene Derivatives*	<i>European Journal of Organic Chemistry</i>	28	16			2025	10.1002/ejoc.202401488
4.	Kurian, E; Pitchai, J; Neelananarayanan, S; Kumar, D; Jaisankar, SN; Ramesha, K	Thermoplastic polyurethane (TPU) based high-performing solid polymer electrolytes for solid-state lithium metal batteries	<i>Journal of Energy Storage</i>	115				2025	10.1016/j.est.2025.115882
5.	Vinayagam, M; Babu, RS; Sivasamy, A; de Barros, ALF	Improved capacitive performance of conducting polymer with incorporation of biomass derived	<i>Diamond and Related Materials</i>	154				2025	10.1016/j.diamond.2025.112165

		activated carbon for supercapacitors							
6.	Elanchezhian, C; Bansal, D; Sivaganesan, P; Nataraj, G; Das, MK; Chaudhuri, S	A convenient ammonium chloride facilitated mild and efficient synthesis of Benzazepinoindole derivatives through a Pictet-Spengler reaction	<i>Tetrahedron Letters</i>	160				2025	10.1016/j.tetlet.2025.155529
7.	Patra, K; Deb, S; Choutipalli, VSK; Mulani, S; Mallik, S; Subramanian, V; Baidya, M	Transforming 2D azolium salts to 3D caged tertiary amines via stereoselective dearomative cascade annulation	<i>Chemical Science</i>	16	17	7551	7559	2025	10.1039/d5sc01527h
8.	Preethi, RK; Kannadasan, S; Shanmugam, P	Synthesis of Dispiro-[Indoline-3,1'-Cyclopropane-2',3''-Indoline]-2,2''-Diones via Thermal [2+1] Cycloaddition Between 3-Alkylidene-7-Aza-2-Indolones and 3-Diazo-7-Aza-2-Oxindoles	<i>European Journal of Organic Chemistry</i>	28	14			2025	10.1002/ejoc.202401359
9.	Gayathri, V; Sheyara, RTB; Satheeshkumar, M; Prem, S; Ayyadurai, N; Lobo, NP; Samanta, D	Click-Chemistry Based Functionalization of Biomolecules and Biopolymers Using a Thermo-Responsive Smart Catalyst	<i>Chemistryselect</i>	10	16			2025	10.1002/slct.202404941
10.	Antony, GS; Ramkumar, M; Sujiritha, B; Vikash, N; Rajaram, K; Ganesan, P;	<i>Leiotrametes flavida</i> MTCC 12927 laccase: scaleup, purification and its application for dye decolourisation enhanced by water-soluble mediator TEMPOL	<i>3 Biotech</i>	15	4			2025	10.1007/s13205-025-04259-9

	Ayyadurai, N; Kamini, NR								
11.	Vikash, VL; Kamini, NR; Ponesakki, G; Anandasadagopan, SK	Keratinous bioresources: their generation, microbial degradation, and value enhancement for biotechnological applications	<i>World Journal of Microbiology & Biotechnology</i>	41	4			2025	10.1007/s11274-025-04336-4
12.	Karthikraja, E; Nulakani, NVR; Devi, P; Murugan, P; Ramanujam, K; Vaidyanathan, VG; Subramanian, V	First-principles insights into biphenylene-based graphynes: promising novel two-dimensional carbon allotropes for thermoelectric applications	<i>Journal of Chemical Sciences</i>	137	2			2025	10.1007/s12039-025-02361-2
13.	Annadurai, A; Alam, MS	Physicochemical, Thermal, and Surface Behavior of Fatliquors and Their Applications in Leather Processing and Sustainability	<i>Journal of Chemical and Engineering Data</i>	70	5	1783	1800	2025	10.1021/acs.jced.4c00749

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