

CSIR-CLRI PUBLICATIONS INDEXED IN SCI-E FOR THE PERIOD OF DECEMBER 2025

DECEMBER 2025

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	Doi*
1.	Mukherjee, S; Gowtham, M; Yogeswaran, G; Jangra, S; Basavaraj, MG; Aswal, VK; Balamurugan, K; Ayyadurai, N; Shanmugam, G	Tailorable and biocompatible collagen-based peptides as distinctive surfactants with micellar self-assembly	<i>Colloids And Surfaces B-Biointerfaces</i>	2025	256				10.1016/j.colsurfb.2025.115004
2.	Chattopadhyay, T; Thangasornaraja, M; Biswas, C; Agrawalla, SK; Purohit, CS; Kiran, MS; Ghosh, R	Metal induced selective anticancer activity of [VV(L')O2] [L' = (1Z, N'E)-N-phenyl-N'-(1-(pyridin-2-yl)ethylidene)carbamohydrazo nothioate] at thiosemicarbazone appended dioxovanadium(V) site	<i>Inorganic Chemistry Communications</i>	2025	182				10.1016/j.inoche.2025.115335
3.	Rajendiran, N; Ganesan, S; Weichgrebe, D; Srinivasan, S	Synergistics approach for enhancement of biogas production from tannery fleshing waste utilizing biochar from banana peduncle waste	<i>Clean Technologies and Environmental Policy</i>	2025	27	12	8051	8063	10.1007/s10098-025-03332-4
4.	Gogula, SK; Gangadharappa, VA; Singh, P; Jayaraman, VK; Dixit, M; Prakash, AS	Moisture and air-stable cation disordered O3-type layered cathodes for sodium-ion batteries: experimental and first-principles study	<i>Journal of Materials Chemistry A</i>	2025	13	44	38335	38349	10.1039/d5ta05874k

5.	Vaishali, M; Sreeram, KJ	Controlled aminolysis of multilayer polyurethane composites for sustainable upcycling into waterborne polyurethane emulsions	<i>Journal of Materials Chemistry A</i>	2025	13	44	38194	38208	10.1039/d5ta05214a
6.	Nataraj, G; Chandran, R; Kalipriyadharshini, M; Bansal, D; Shanmugam, E; Das, MK; Chaudhuri, S	Facile access to indolo[2,3-b]quinoline alkaloids via DMSO-mediated cascade cyclization: unveiling their photophysical potential	<i>Organic Chemistry Frontiers</i>	2025	12	24	7081	7090	10.1039/d5qo01193k
7.	Elanchezhian, C; Ilango, J; Bansal, D; Das, MK; Chaudhuri, S	Collective Synthesis of Indole-Derived Natural Products via Halogen Bond Donor Catalysis: Efficient Access to Arundine, Turbomycin B, and Arsindoline A Through 3,3'-Bis(Indolyl)methane Assembly	<i>Journal of Heterocyclic Chemistry</i>	2025	62	12	2041	2050	10.1002/jhet.70100
8.	Pal, U; Lakshmanan, L; Nasar, AS; Sarkar, J	Fluorine- and Silicone-Free Polymer for Smart Textile via Controlled Radical Polymerization and Its Multifunctional Applications	<i>Macromolecular Rapid Communications</i>	2025	46	24			10.1002/marc.202500544
9.	Sivaganesan, P; Sivaprasad, G; Bansal, D; Das, MK; Chaudhuri, S	A Practical and Scalable Synthesis of Cyclized and Uncyclized Xanthene-1,8-Dione Derivatives Using Cyanuric Chloride as a Green Organocatalyst	<i>European Journal of Organic Chemistry</i>	2025	28	45			10.1002/ejoc.202500921
10.	Nair, VV; Esackraj, K; Subramanian, V; Sekar, G	Development of Cationic Enantioselective Domino Carbopalladation/C(sp ³)-Pd Capture Using N-Tosylhydrazones as Diazo Precursors	<i>Organic Letters</i>	2025	27	44	12356	12362	10.1021/acs.orglett.5c03985

11.	Elavarasan, P; Kannadasan, S; Shanmugam, P	One-Pot Functionalization at C-2,2'-Oxidation and C-3,3'-Bromination of 3,3'-Bis-7-Azaindolylmethane Using NBS/CAN as a Reagent: Synthesis of Brominated 3,3'-Bis-7-Aza-2-indalones	<i>Asian Journal of Organic Chemistry</i>	2025	14	12			10.1002/ajoc.70247
12.	Bansal, D; Sivaganesan, P; Elanchezhian, C; Das, MK; Chaudhuri, S	A critical review on rubriflorldilactones A, B, and C: occurrence, structural diversity, bioactivities, and synthesis	<i>Organic & Biomolecular Chemistry</i>	2025	23	48	10817	10839	10.1039/d5ob01614b
13.	Maurya, A; Singh, P; Gupta, N; Anamika; Dixit, M; Kuila, BK	Engineering Triazine-Based Conjugated Polymer Networks for Boosting Electrocatalytic Hydrogen Evolution Reactions	<i>ACS Applied Energy Materials</i>	2025	8	23	17199	17208	10.1021/acsaem.5c00638
14.	Jebakumar, M; Pachaiyappan, M; Reeves, CL; Fox, K; Gelmi, A; Ayyadurai, N	3D printable collagen-like protein hydrogels via dynamic covalent assembly for soft tissue engineering	<i>Journal of Materials Chemistry B</i>	2025	13	48	15565	15582	10.1039/d5tb01716e
15.	Sivakumar, P; Raj, CJ; Subramanian, P; Savariraj, AD; Manikandan, R; Singh, P; Dixit, M; Jung, HY	Exploring the Rational Design and Strategy of Metal Ion-Integrated 3D Hierarchical Spinel Oxide Nano/Microarchitecture for Battery-Supercapacitor Hybrid Energy Storage System	<i>Small Structures</i>	2025	6	12			10.1002/ssstr.202500645
16.	Nagaraj, S; Thanikaivelan, P	Advanced hybrid nanocomposites derived from natural polymers: A comprehensive review on strategies for mitigating emerging contaminants	<i>Journal of Environmental Chemical Engineering</i>	2025	13	6			10.1016/j.jece.2025.120046
17.	Singh, P; Kumar, S; Dixit, M	Understanding the effect of metal-oxygen bond covalency on anionic redox activity of Na-	<i>Journal of Chemical Sciences</i>	2025	137	4			10.1007/s12039-025-02442-2

		ion-based cathode materials through first-principles							
18.	Rajendiran, N; Ganesan, S; Babunarendran, N; Mondal, M; Weichgrebe, D; Venkatachalam, SS	Production and Characterisation of Biochar from Tender Coconut and Sugarcane Bagasse Wastes for Potential Applications in Agricultural Sector	<i>Water Air and Soil Pollution</i>	2025	237	4			10.1007/s11270-025-08924-w

* PY*=Published Year, Vol*=Volume, Is*=Issue, BP*=Beginning Page, EP=Ending Page, Dol*=Digital Object Identifier.