

CSIR-CLRI Publications for the period of May 2026 (Indexed in SCI-Expanded)

MAY 2026

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1.	Nalladiyil, A; Mozhiarasi, V; Weichgrebe, D; Babu, GLS	Enhancing methane recovery from food waste using walnut shell biochar and garbage enzymes	<i>Renewable Energy</i>	2026	263				10.1016/j.rene.2026.125445
2.	Ravi, S; Krishna, JS; Samanta, D	Sustainable Functionalization of Natural Rubber via Click Reaction for Improved Thermal and Chemical Resistance With Biodegradability	<i>Journal of Applied Polymer Science</i>	2026	143	18			10.1002/app.70609
3.	Kumar, S; Maurya, KRA; Dixit, M	Unravelling the Catalytic Activity of Dual-Metal Doped N6-Graphene for Sulfur Reduction via Machine Learning-Accelerated First-Principles Calculations	<i>Small</i>	2026	22	26			10.1002/smll.202514877
4.	Mandal, S; Singh, P; Biswakarma, D; Kumari, R; Karlsen, MA; Etter, M; Dixit, M; Bhattacharyya, AJ	Zn-Ion Storage in an Anode-Protected High-Performance Aqueous Organic Zinc Ion Battery	<i>Small</i>	2026	22	28			10.1002/smll.202600014
5.	Arasu, K; Balakrishnan, A; Kannan, U; Vembuli, T; Vinoth, K	Exploring industrial effluent-derived bacterial isolate for enhanced biodegradation of bisphenol-A	<i>Environmental Technology</i>	2026	47	12	1961	1976	10.1080/09593330.2026.2648627
6.	Saha, D; Singh, P; Das, A; Koppiseti, HVSRM; Reddy, VR;	A High-Capacity K-Rich Fe-Based Polyanion Cathode Material for K-Ion Batteries: Structure, Phase Evolution,	<i>ACS Applied Energy Materials</i>	2026	9	9	5647	5662	10.1021/acsae.6c00167

	Dixit, M; Mukhopadhyay, A	and Electrochemical Behavior							
7.	Malik, D; Esackraj, K; Subramanian, V; Natarajan, S	Synthesis, structure and properties of compounds stabilized in the wolframite structure: (AA ²⁺)(BB ²⁺)O ₈ ; A = Zn ²⁺ , Mg ²⁺ , Co ²⁺ , Ni ²⁺ , or Cu ²⁺ , A ²⁺ = Fe ³⁺ , Ga ³⁺ , In ³⁺ , Mn ³⁺ , or Sc ³⁺ , B = Nb ⁵⁺ or Ta ⁵⁺ , and B ²⁺ = W ⁶⁺	<i>Dalton Transactions</i>	2026	55	20	7858	7873	10.1039/d6dt0 0488a
8.	Vikhyat; Poonam; Meena, R; Biswas, N; Ramseena; Mahata, P; Roy, B; Ghosh, S; Mistry, S	Metal-Organic Nanotube (MONT) as a Photocatalyst for the Visible-Light-Driven Selective Dye Degradation	<i>Inorganic Chemistry</i>	2026	65	18	9887	9899	10.1021/acs.in orgchem.6c00 136
9.	Sangavi, V; Rama, R; Soundarya, AAG; Mandala, S	Enhancing the Flame Retardancy of Leather Using Gelatine-Modified Zn- Al Layered Double Hydroxide	<i>Journal of the American Leather Chemists Association</i>	2026	121	5	219	227	
10.	Janani, V; Sahu, B; Abu Javid, MM; Banothu, R	Recycling of Tannery Fleshing Fat into Functional Crunch Leather	<i>Journal of the American Leather Chemists Association</i>	2026	121	5	228	236	
11.	Nathrao, MD; Suresh, KI; Thanikaivelan, P	Exploring Bio-Based Polyurethane Dispersions for Sustainable Leather Finishing	<i>Journal of the American Leather Chemists Association</i>	2026	121	5	237	243	
12.	Banerjee, S; Halder, S; Bose, S; Chatterjee, S; Castelletto, V; Hamley, IW; Sinha, DK; Banerjee, A	Lysine containing amphiphilic peptide-based non-cytotoxic soft materials with potential antifungal and antibacterial activities for 3D cell culture	<i>Soft Matter</i>	2026	22	20	3662	3673	10.1039/d6sm 00190d

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

DOI=Digital Object Identifier.