

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

APRIL 2026

Sl. No.	AUTHORS	TITLE	SOURCE	PY*	VL*	IS*	BP*	EP*	DOI*
1.	Anthoni, SJG; Kumar, RAKS; Devaraj, VM; Mani, PK; Arumugam, S	Nano Janue-like N-doped ZnO bundles as efficient photocatalysis for the removal of endocrine disruptor under visible-light irradiation	<i>Pure and Applied Chemistry</i>	2026	98	4	733	746	10.1515/pac-2024-0390
2.	Ilangovan, A; Kanchinadham, SBK	Enhancing anaerobic digestion of food waste using cauliflower stem-banana peel: Improved alkalinity and microbial stability-A case study in Chennai, India	<i>Energy for Sustainable Development</i>	2026	91				10.1016/j.esd.2025.101921
3.	Kumar, V; Tom, M; Santhosini, RM; Begam, R; Jayashree, S; Jaimohan, SM	Recent advances in small molecules for amyloid fibril inhibition: chemical strategies and molecular mechanistic insights from lysozyme and insulin models	<i>Bioorganic Chemistry</i>	2026	171				10.1016/j.bioorg.2026.109539
4.	Natarajan, TS; Ukendrakumar, T; Chockalingam, M; Shanmugavijayakumar, V; Niranjan, JS; Sugandan, R; Murugan, KP	An integrated batch-type Fenton oxidation-electrocoagulation-adsorption system for COD and chromium removal from tannery wastewater	<i>Journal of Chemical Technology and Biotechnology</i>	2026	101	4	868	885	10.1002/jctb.70142
5.	Ahila, N; Rajarathinam, MD; Ravikumar, I; Vengadasamy, VK; Menni, N; Kanth, SV; Kartik, R	Upcycling of Crumb Rubber Through Surface Hydroxylation for Partial Replacement of Polyols in Polyurethane Resins	<i>Journal of Applied Polymer Science</i>	2026	143	15			10.1002/app.70482

6.	Mangalsana, H; Sruthy, K; Vernekar, AA	Turning Color Confusion to Clarity: A Layered Ce-Based Nanozyme Drives Rapid Wavelength Transition for Discriminative Detection of Nerve Agent during Decontamination	<i>Chemistry-A European Journal</i>	2026	32	16			10.1002/chem.202503606
7.	Srinivasan, P; Jayakumar, GC; Sundaramoorthy, S; Madhan, B	Salt-free preservation of goat skins using hexamethylenetetramine: A sustainable alternative for pollution reduction in leather processing	<i>Journal of Water Process Engineering</i>	2026	86				10.1016/j.jwpe.2026.109870
8.	Venugopal, S; Khambhaty, Y	Resistance and functional profiling of tannery effluent bacterial communities	<i>Journal of Environmental Management</i>	2026	405				10.1016/j.jenvman.2026.129688
9.	Singh, F	Redox-Guided Metabolic Control in Cancer: Integration of the Reactive Oxygen Species-AMP-Activated Protein Kinase-Sirtuin Axis in Tumour Adaptation and Therapy	<i>Journal of Biochemical and Molecular Toxicology</i>	2026	40	5			10.1002/jbt.70851
10.	Udayakumar, S; Arun, S	Fabrication and characterization of polyethersulfone blended polyvinyl chloride membranes with improved hydrophilicity for industrial wastewater treatment	<i>Bulletin of Materials Science</i>	2026	49	2			10.1007/s12034-026-03589-5

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