

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

OCTOBER 2024

Sl. No.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Rasheeda, K; Samyuktha, D; Fathima, NN	A molecular synergy of non-covalent interactions facilitated via theobromine modifying the self-assembly process of type I collagen	<i>Materials Chemistry and Physics</i>	325				2024	10.1016/j.matchemphys.2024.129771
2.	Mukherjee, C; Ghosh, A; Tamilarasi, M; Ravishankar, K; Das, AK; Selvaraj, M; Chaudhuri, S; Sarkar, J	Self-Healable Hydrogels from Vegetable Oil: Preparation, Mechanism, and Applications	<i>Biomacromolecules</i>	25	11	7323	7333	2024	10.1021/acs.biomac.4c01009
3.	Chowdhury, C; Karthikraja, E; Subramanian, V	DFT and machine learning guided investigation into the design of new dual-atom catalysts based on $\alpha$ -2 graphyne	<i>Physical Chemistry Chemical Physics</i>	26	38	25143	25155	2024	10.1039/d4cp03171g

4.	Unnikrishnan, AC; Das, BK; Saveri, P; Mani, E; Deshpande, AP; Shanmugam, G	Efficiency Enhancement in Peptide Hydrogelators: The Crucial Role of Side Chain Hydrogen Bonding Over Aromatic $\pi$ - $\pi$ Interactions	<i>Langmuir</i>	40	46	24405	24418	2024	10.1021/acs.langmuir.4c02972
5.	Sivaganesan, P; Subiksha, VL; Sahoo, A; Elanchezhian, C; Nataraj, G; Chaudhuri, S	A Comprehensive Review of Synthetic Approaches Toward Lamellarin D and its Analogous	<i>Chemistryselect</i>	9	37			2024	10.1002/slct.202403112
6.	Akilandeswari, G; Varshashankari, V; Muthusamy, S; Aarthy, M; Thamizhvani, K; Mercyjayapriya, J; Ashokraj, S; Mohandass, P; Prem, S; Ayyadurai, N	Photocrosslinkable triple helical protein with enhanced higher-order formation for biomaterial applications	<i>Journal of Biomedical Materials Research Part A</i>	112	10	1632	1645	2024	10.1002/jbm.a.37716
7.	Chowdhury, C	Unlocking Potential Catalysts: A Machine Learning Approach with Bayesian and Regression Models	<i>Chemistryselect</i>	9	37			2024	10.1002/slct.202400883

8.	Siddiqui, M; Alam, MS; Ali, M	Preparation and characterization of novel polyols-based DESs and their use in efficient sequestration of radioactive iodine	<i>Journal of Molecular Liquids</i>	412				2024	10.1016/j.molliq.2024.125883
9.	Boopathi, AA; Navya, PV; Mohan, I; Ayyadurai, N; Karuppusamy, M; Easwaramoorthi, S; Roy, A; Narasimhaswamy, T; Sampath, S	Hierarchical Self-Assembly and Aggregation-Induced Emission Enhancement in Tetrabenzofluorene-Based Red Emitting Molecules	<i>Chemistry-An Asian Journal</i>	19	19			2024	10.1002/asia.202400639
10.	Senthilnathan, S; Rajagopal, P; Krishnamoorthy, R; Alshuniaber, MA; Al-Anazi, KM; Abul Farah, M; Jayaraman, S; Veeraraghvan, VP; Gnanamani, A	Identifying the molecular mechanisms of action of wound healing properties of Mathan tailam and Mahamegarajanga tailam in Wistar albino rats: Evidence through IL-10/VEGF/TNF- $\alpha$ signalling pathways	<i>Acta Tropica</i>	258				2024	10.1016/j.actatropica.2024.107357
11.	Salim, NV; Madhan, B; Glattauer, V; Ramshaw, JAM	Comprehensive review on collagen extraction from food by-products and waste as a value-added material	<i>International Journal of Biological Macromolecules</i>	278				2024	10.1016/j.ijbiomac.2024.134374

12.	Gunawan, M; Xu, B; Wong, M; Mendler, M; Fong, TL; Mena, E	FACTORS ASSOCIATED WITH MASLD AND LIVER FIBROSIS IN FOREIGN- BORN ASIANAMERICANS WITH CHRONIC HEPATITIS B SEEN IN TWO NONACADEMIC HEPATOLOGY CLINICS IN SOUTHERN CALIFORNIA: IMPACT OF METABOLIC FEATURES, MASLD AND TIME SPENT LIVING IN THE US	<i>Hepatology</i>	80		S188	S189	2024	
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\*PD=Date of Publication; PY=Year of Publication; Vol=Volume; IS=Issue; BP=Beginning Page Number; EP=Ending Page Number, DOI=Digital Object Identifier