

CSIR-CLRI Publications for the period SEPTEMBER 2023 (Indexed in SCI-Expanded)

September 2023

SL. NO.	AUTHORS	TITLE	SOURCE	VL*	IS*	BP*	EP*	PY*	DOI*
1.	Nagabalaji, V; Maharaja, P; Nishanthi, R; Sathish, G; Suthanthararajan, R; Srinivasan, SV	Effect of co-culturing bacteria and microalgae and influence of inoculum ratio during the biological treatment of tannery wastewater	<i>Journal of Environmental Management</i>	341				2023	10.1016/j.jenvman.2023.1 18008
2.	Ramesh, S; Karuppasamy, K; Yadav, HM; Lee, YJ; Sivasamy, A; Kathalingam, A; Kim, HS; Kim, JH; Kim, HS	Fabrication of CuCo2S4 on composite interface materials made of polypyrrole and nitrogen- doped carbon nanotubes for use in supercapacitors	<i>Journal of Energy Storage</i>	67				2023	10.1016/j.est.2023.10751 8
3.	Velappan, B; Nagarajan, V; Murthy, VN; Arumugam, S; Chinnaraj, VK	Oleic acid-rich waste fleshing oil as a secondary carbon source for the synthesis of sophorolipids	<i>Environmental Progress & Sustainable Energy</i>	42	5			2023	10.1002/ep.14174
4.	Jithendra, P; Mohamed, JMM; Annamalai, D; Al- Serwi, RH; Ibrahim, AM; El-Sherbiny, M; Rajam, AM; Eldesoqui, M; Mansour, N	Biopolymer collagen- chitosan scaffold containing Aloe vera for chondrogenic efficacy on cartilage tissue engineering	<i>International Journal of Biological Macromolecules</i>	248				2023	10.1016/j.ijbiomac.2023.1 25948
5.	Sharma, S; Sudhakara, P; Singh, J; Singh, S; Singh, G	Emerging progressive developments in the fibrous composites for acoustic applications	<i>Journal of Manufacturing Processes</i>	102		443	477	2023	10.1016/j.jmapro.2023.07 .053

6.	Panda, A; Sindhuja, P; Vijayan, V; Panda, RC	Operational control for the evolution of enthalpy in an SBR carrying out nitration of 4-chlorobenzotrifluoride and the thermal runaway	<i>Chemical Engineering Research & Design</i>	197		774	799	2023	10.1016/j.cherd.2023.08.008
7.	Tarannum, A; Ballav, S; Rao, JR; Fathima, NN	Extraction of dermatan sulfate using ionic liquid-assisted enzymatic digestion: An efficient approach	<i>Carbohydrate Research</i>	531				2023	10.1016/j.carres.2023.108897
8.	Unnikrishnan, AC; Balamurugan, K; Shanmugam, G	Structural Insights into the Amyloid Fibril Polymorphism Using an Isotope-Edited Vibrational Circular Dichroism Study at the Amino Acid Residue Level	<i>Journal of Physical Chemistry B</i>	127	36	7674	7684	2023	10.1021/acs.jpcc.3c03437
9.	Li, LY; Zhang, YB; Cui, X; Said, Z; Sharma, S; Liu, MZ; Gao, T; Zhou, ZM; Wang, XM; Li, CH	Mechanical behavior and modeling of grinding force: A comparative analysis	<i>Journal of Manufacturing Processes</i>	102		921	954	2023	10.1016/j.jmapro.2023.07.074
10.	Padmashrija, AJC; Kannadasan, S; Shanmugam, P	Synthesis of 3-Spiro Cycloalkenes Fused 7-Aza-2-indalones from 3,3'-di- or <i>N</i> ,3,3'-tri-allyl/homoallyl/pentenyl 7-Aza-2-indalones via Ring Closing Metathesis using Grubbs-II Catalyst	<i>Chemistryselect</i>	8	34			2023	10.1002/slct.202302522
11.	Nulakani, NVR; Ali, MA; Subramanian, V	A Novel Quasi-Planar Two-dimensional Carbon Sulfide with Negative Poisson's Ratio and Dirac Fermions	<i>Chemphyschem</i>					2023	10.1002/cphc.202300266

12.	Sagayaraj, PJJ; Augustin, A; Shanmugam, M; Honnappa, B; Natarajan, TS; Wilson, K; Lee, AF; Sekar, K	Graphene Quantum Dots for Photocatalytic CO ₂ Reduction	<i>Energy Technology</i>					2023	10.1002/ente.202300563
13.	Mohan, VD; Devi, VKA; Haridoss, PR; Uthirappan, M; Thada, RR; Syamala, KM; Sivagnanam, UT	Resorbable Layered Double Hydroxides- Based Composite Implants Synergistically Accelerates Critical- Sized Defect Closure	<i>Advanced Therapeutics</i>					2023	10.1002/adtp.202300187
14.	Li, CH; Zhang, YB; Sharma, S	Enhanced Heat Transfer Technology Based on Emission Reduction and Carbon Reduction in Cutting and Grinding	<i>Chinese Journal of Mechanical Engineering</i>	36	1			2023	10.1186/s10033-023- 00947-w
15.	Senthilvelan, T; Rathore, HS; Gomathi, E; Panda, RC; Issac, PK; Guru, A; Arockiaraj, J	The enzymatic decolorization of leather azo dyes (AB 113 and AB 52) using crude fungal laccase: an eco-friendly approach towards pollution reduction	<i>Biomass Conversion and Biorefinery</i>					2023	10.1007/s13399-023- 04888-1
16.	Alagumuthu, TS; Samidurai, S; Khambhaty, Y; James, K	Evaluation of Antimicrobial Property of Bacteriocin Capped Silver Nanoparticles Prepared from Cell Free Supernatant of <i>Lactobacillus brevis</i> Isolated from Marine Fishes	<i>International Journal of Peptide Research And Therapeutics</i>	29	6			2023	10.1007/s10989-023- 10569-4

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