

## CSIR-CLRI Publications 2021(Indexed in SCI-Expanded)

EARLY ACCESS (Published online prior to final assignment in a completed Volume/Issue)

Sl. No	AUTHORS	TITLE	SOURCE	PD	PY	VL	IS	BP	EP	DOI
1	Saikia, K; Rathankumar, AK; Varghese, BA; Kalita, S; Subramanian, S; Somasundaram, S; Kumar, VV	Magnetically assisted commercially attractive chemo-enzymatic route for the production of 5-hydroxymethylfurfural from inulin	BIOMASS CONVERSION AND BIOREFINERY	FEB	2020					10.1007/s13399-020-00622-3
2	Vardhan, KH; Kumar, PS; Panda, RC	Adsorption of copper ions from polluted water using biochar derived from waste renewable resources: static and dynamic analysis	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY	JUN	2020					10.1080/03067319.2020.1779245
3	Kartik, S; Prakash, D; Kumar, RR; Ramkumar, V; Vishista, K; Rathore, HS; Panda, RC; Senthilvelan, T	Betel leaf-derived carbon nano-sphere/renewable resourced polyurethane coatings for high-performance applications	POLYMER BULLETIN	JUL	2020					10.1007/s00289-020-03264-7
4	Palanisamy, D; Chockalingam, LR; Murugan, D	Microbial fuel cell for effluent treatment and sustainable power generation	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	JUL	2020					10.1080/15567036.2020.1796844

5	Seshan, G; Kanagasabai, S; Ananthasri, S; Kannappan, B; Suvitha, A; Jaimohan, SM; Kanagaraj, S; Kothandan, G	Insights of structure-based pharmacophore studies and inhibitor design against Gal3 receptor through molecular dynamics simulations	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	AUG	2020					10.1080/07391102.2020.1804452
6	Babu, VD; Kumar, AS; Sudhandiran, G	Diosgenin inhibits TGF-beta 1/Smad signaling and regulates epithelial mesenchymal transition in experimental pulmonary fibrosis	DRUG AND CHEMICAL TOXICOLOGY	SEP	2020					10.1080/01480545.2020.1814803
7	Thiruselvi, D; Yuvarani, M; Salma, A; Arafath, Y; Jagadiswary, D; Kumar, MA; Anuradha, D; Shanmugam, P; Sivanesan, S	Enhanced biogas from sewage sludge digestion using iron nanocatalyst from Vitex negundo leaf extract: response surface modeling	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	SEP	2020					10.1007/s13762-020-02933-4
8	Mohan, R; Deevakar, L; Sivakumar, V	Towards holistic technology solution to chromite ore processing residue (COPR) challenge; global issue: review and analysis	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	JAN	2021					10.1007/s13762-020-03097-x

9	Raghavan, SS; Iqbal, S; Niraikulam, A; Gunasekaran, K	Insights in the structural understanding of amyloidogenicity and mutation-led conformational dynamics of amyloid beta (A beta) through molecular dynamics simulations and principal component analysis	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	JAN	2021					10.1080/07391102.2021.1871955
10	Gayathri, V; Pentela, N; Samanta, D	Palladium nanoparticles capped by thermoresponsive N-heterocyclic carbene: Two different approaches for a comparative study	APPLIED ORGANOMETALLIC CHEMISTRY	JAN	2021					10.1002/aoc.6166
11	Augustine, G; Aarthy, M; Thiagarajan, H; Selvaraj, S; Kamini, NR; Shanmugam, G; Ayyadurai, N	Self-Assembly and Mechanical Properties of Engineered Protein Based Multifunctional Nanofiber for Accelerated Wound Healing	ADVANCED HEALTHCARE MATERIALS	FEB	2021					10.1002/adhm.202001832

12	Kanemoto, SO; Gouthaman, S; Venkatesh, M; Cheumani, AM; Ndikontar, MK; Lakshmi, MS	Thermal performance of polyurethane nanocomposite from phosphorus and nitrogen-containing monomer, polyethylene glycol and polydimethylsiloxane for thermal energy storage applications	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	FEB	2021					10.1007/s10973-020-10478-4
13	Boopathi, AA; Bhavani, T; Lobo, NP; Narasimhaswamy, T	C-13 NMR investigations and molecular order of nematogens with biphenyl and bithiophene at terminus	LIQUID CRYSTALS	FEB	2021					10.1080/02678292.2021.1883139
14	Vinayagam, Murugan; Suresh Babu, Rajendran; Sivasamy, Arumugam; de Barros, Ana Lucia Ferreira	Biomass-derived porous activated carbon nanofibers from Sapindus trifoliatus nut shells for high-performance symmetric supercapacitor applications	CARBON LETTERS	MAR	2021					10.1007/s42823-021-00235-4
15	Gandu, B; Palanivel, S; Juntupally, S; Arelli, V; Begum, S; Anupoju, GR	Removal of NH <sub>3</sub> and H <sub>2</sub> S from odor causing tannery emissions using biological filters: Impact of operational strategy on the performance	JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING	MAR	2021					10.1080/10934529.2021.1903283

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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