

**CSIR-CLRI Publications for the period APRIL 2020**  
**(Indexed in SCI-Expanded)**

**APRIL 2020**

Sl. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Qureshi, MRNM; Sharma, S; Singh, J; Khadar, SDA; Baig, RU	Evaluation of surface roughness in the turning of mild steel under different cutting conditions using backpropagation neural network	PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES	APR	2020	69	2	109	115	10.3176/proc.2020.2.02
2	China, CR; Hilonga, A; Nyandoro, SS; Schroepfer, M; Kanth, SV; Meyer, M; Njau, KN	Suitability of selected vegetable tannins traditionally used in leather making in Tanzania	JOURNAL OF CLEANER PRODUCTION	1-Apr	2020	251				10.1016/j.jclepro.2019.119687
3	Sathya, U; Nithya, M; Keerthi	Fabrication and characterisation of fine-tuned Polyetherimide (PEI)/WO <sub>3</sub> composite ultrafiltration membranes for antifouling studies	CHEMICAL PHYSICS LETTERS	APR	2020	744				10.1016/j.cplett.2020.137201
4	Haribabu, J; Balachandran, C; Tamizh, MM; Arun, Y; Bhuvanesh, NSP; Aoki, S; Karvembu, R	Unprecedented formation of palladium(II)-pyrazole based thiourea from chromone thiosemicarbazone	JOURNAL OF INORGANIC BIOCHEMISTRY	APR	2020	205				10.1016/j.jinorgbio.2019.110988

		e and [PdCl <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]: Interaction with biomolecules and apoptosis through mitochondrial signaling pathway								
5	Kalachaveedu, M; Jenifer, P; Pandian, R; Arumugam, G	Fabrication and characterization of herbal drug enriched Guar galactomannan based nanofibrous mats seeded with GMSC's for wound healing applications	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1-Apr	2020	148		737	749	10.1016/j.ijbiomac.2020.01.188
6	Gopinath, A; Vedaraman, N; Madhan, B; Rao, JR; Peter, M; Kirubakaran, R	Supercritical Carbon Dioxide Based Skin Preservation: Solving the Soak Liquor Effluent Crisis of the Leather Industry	JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION	APR	2020	115	4	145	150	JALCA
7	Paulpandi, M; Kavithaa, K; Asaikkutti, A; Balachandar, V; Ayyadurai, N; Arul, N	Could host cell receptor alteration prevent SARS-CoV-2 viral entry? - Hype or hope	EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES	APR	2020	24	8	455 4	455 7	
8	Tarannum, A; Lobo, NP; Rao, JR; Fathima, NN	Are aqueous solutions of choline-based ionic liquid biocompatible cross-linkers for collagen?	JOURNAL OF MOLECULAR LIQUIDS	1-Apr	2020	303				10.1016/j.molliq.2020.112654
9	Murali, A; Sampath, S;	Copper (0) Mediated Single	POLYMERS	APR	2020	12	4	874		10.3390/polym12040874

	Achuthan, BA; Sakar, M; Chandrasekaran, S; Vanitha, NS; Bensingh, RJ; Kader, MA; Jaisankar, SN	Electron Transfer- Living Radical Polymerization of Methyl Methacrylate: Functionalized Graphene as a Convenient Tool for Radical Initiator								
10	Melesse, AG; Srinivasan, SV; Demissie, BA; Chacko, SP	Sequencing batch airlift reactor system for simultaneous removal of nitrogen and organic carbon from synthetic tannery wastewater	DESALINATION AND WATER TREATMENT	APR	2020	183		194	204	10.5004/dwt.2020.25029
11	Thangavel, P; Vilvanathan, SP; Kuttalam, I; Lonchin, S	Topical administration of pullulan gel accelerates skin tissue regeneration by enhancing collagen synthesis and wound contraction in rats	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECUL ES	15- Apr	2020	149		395	403	10.1016/j.ijbiomac.2020.0 1.187
12	Novanna, M; Kannadasan, S; Shanmugam, P	Microwave- Assisted N- Allylation/Homoall ylation-RCM Approach: Access to Pyrrole-, Pyridine-, or Azepine- Appended (Het)aryl Aminoamides	ACS OMEGA	21- Apr	2020	5	15	851 5	852 2	10.1021/acsomega.9b040 38

13	Yuvaraj, P; Ajantha, J; Easwaramoorthi, S; Rao, JR	Low-level detection of water in polar aprotic solvents using an unusually fluorescent spirocyclic rhodamine	NEW JOURNAL OF CHEMISTRY	28- Apr	2020	44	16	656 6	657 4	10.1039/d0nj00636j
14	Athira, M; Meerakrishna, RS; Shanmugam, P	Synthesis of blue emissive functionalized 9,9- disubstituted fluorene derivatives via BF <sub>3</sub> center dot OEt <sub>2</sub> mediated reaction of co-planar 9- (phenylethynyl)- 9H-fluoren-9-ols with isatin imines	NEW JOURNAL OF CHEMISTRY	28- Apr	2020	44	16	665 2	666 0	10.1039/c9nj05102c
15	Venkatraman, R; Panneer, SVK; Varathan, E; Subramanian, V	Aromaticity- Photovoltaic Property Relationship of Triphenylamine- Based D-pi-A Dyes: Leads from DFT Calculations	JOURNAL OF PHYSICAL CHEMISTRY A	30- Apr	2020	124	17	337 4	338 5	10.1021/acs.jpca.9b10245
16	Mary, Nisha U.; Umapathy, M. J.; Sivasamy, A.	Biomaterial supported binary semiconductor metal oxide nanocomposite for Water remediation under solar irradiation	Optik	Apr	2020	208				<a href="https://doi.org/10.1016/j.ijleo.2020.164219">https://doi.org/10.1016/j.ijleo.2020.164219</a>

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