

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

**JANUARY 2020**

SI. No.	AUTHORS	TITLE	SOURCE	PD*	PY*	VL*	IS*	BP*	EP*	DOI*
1	Thamaraiselvi, P; Varathan, E; Subramanian, V; Easwaramoorthi, S	Multipolar triphenylamines: Effect of spectator donor-acceptor pair on intramolecular charge transfer interactions	DYES AND PIGMENTS	JAN	2020	172				10.1016/j.dyepig.2019.107838
2	Vairapperumal, T; Lakshmi, M; Kumar, RV; Janardhanan, SK; Kumar, MA	Dual mode luminescence from lanthanum orthovanadate nanoparticles	JOURNAL OF LUMINESCENCE	JAN	2020	217				10.1016/j.jlumin.2019.116761
3	Mukherjee, M; Gurusamy-Thangavelu, SA; Chelike, DK; Alagumalai, A; Das, BN; Jaisankar, SN; Mandal, AB	Biodegradable polyurethane foam as shoe insole to reduce footwear waste: Optimization by morphological physicochemical and mechanical properties	APPLIED SURFACE SCIENCE	1-Jan	2020	499				10.1016/j.apsusc.2019.143966
4	Arokianathan, JF; Ramya, KA; Janeena, A; Deshpande, AP; Ayyadurai, N; Leemarose, A; Shanmugam, G	Non-proteinogenic amino acid based supramolecular hydrogel material for enhanced cell proliferation	COLLOIDS AND SURFACES B-BIOINTERFACES	1-Jan	2020	185				10.1016/j.colsurfb.2019.110581

5	Lathika, AS; Paramashivan, SS; Ramasamy, BK; Mahadevan, S	Impact of fuel/oxidizer ratio of NaN <sub>3</sub> and KNO <sub>3</sub> airbag gas generants on toxic emission and performance	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	JAN	2020	133		348	357	10.1016/j.psep.2019.11.015
6	Vivek, K; Subbarao, KV; Routray, W; Kamini, NR; Dash, KK	Application of Fuzzy Logic in Sensory Evaluation of Food Products: a Comprehensive Study	FOOD AND BIOPROCESS TECHNOLOGY	JAN	2020	13	1	1	29	10.1007/s11947-019-02337-4
7	Balan, P; Indrakumar, J; Murali, P; Korrapati, PS	Bi-faceted delivery of phytochemicals through chitosan nanoparticles impregnated nanofibers for cancer therapeutics	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	1-Jan	2020	142		201	211	10.1016/j.ijbiomac.2019.09.093
8	Murugappan, G; Khambhaty, Y; Sreeram, KJ	Protease immobilized nanoparticles: a cleaner and sustainable approach to dehairing of skin	APPLIED NANOSCIENCE	JAN	2020	10	1	213	221	10.1007/s13204-019-01113-2
9	Dhanasekar, NN; Bakrudeen, HB; Kumari, SR; Lakshmi, MS	Preparation of Ibuprofen-loaded Geonano hybrids Using a Facile Grinding Process	INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES	JAN-FEB	2020	82	1	88	96	10.36468/pharmaceutical-sciences.625
10	Muralidharan, V; Arokianathan, MS; Balaraman, M; Palanivel, S	Tannery trimming waste based biodegradable bioplastic: Facile synthesis and characterization of properties	POLYMER TESTING	JAN	2020	81				10.1016/j.polymertesting.2019.10.6250

11	Suresh, S; Muthukrishnan, L; Vennila, S; Gurunathan, K; Lett, JA; Paiman, S; Faruq, M; Al- Lohedan, HA; Akbarzadeh, O; Oh, WC	Mechanistic anticarcinogenic efficacy of phytofabricated gold nanoparticles on human lung adenocarcinoma cells	JOURNAL OF EXPERIMENTAL NANOSCIENCE	1- Jan	2020	15	1	160	173	10.1080/17458080.2020.1761014
12	Sagadevan, S; Vennila, S; Muthukrishnan, L; Gurunathan, K; Oh, WC; Paiman, S; Mohammad, F; Al- Lohedan, HA; Jasni, AH; Fatimah, I; Sivaranjan, K; Obulapuram, PK	Exploring the therapeutic potentials of phyto- mediated silver nanoparticles formed via Calotropis procera (Ait.) R. Br. root extract	JOURNAL OF EXPERIMENTAL NANOSCIENCE	1- Jan	2020	15	1	217	232	10.1080/17458080.2020.1769842
13	Ali, BM; Velavan, B; Sudhandiran, G; Sridevi, J; Nasar, AS	Radical dendrimers: Synthesis, anti- tumor activity and enhanced cytoprotective performance of TEMPO free radical functionalized polyurethane dendrimers	EUROPEAN POLYMER JOURNAL	5- Jan	2020	122				10.1016/j.eurpolymj.2019.109354
14	Yoseph, Z; Christopher, JG; Demessie, BA; Selvi, AT; Sreeram, KJ; Rao, JR	Extraction of elastin from tannery wastes: A cleaner technology for tannery waste management	JOURNAL OF CLEANER PRODUCTION	10- Jan	2020	243				10.1016/j.jclepro.2019.118471

15	Rethinam, S; Vijayan, S; Aruni, AW; Basaran, B; Alagumuthu, T; Ramamoorthy, R	Enhanced tissue regeneration using an nano- bioactive scaffold- A novel perspective	MATERIALS CHEMISTRY AND PHYSICS	15- Jan	2020	240					10.1016/j.matchemphys.2019.122 303
16	Chris Felshia, S; AshwinKarthick, N; Thilagam, R; Gnanamani, A	Elucidation of 2, 4- Dichlorophenol degradation by Bacillus licheniformis strain SL10	ENVIRONMENTAL TECHNOLOGY	28- Jan	2020	41	3	366	377		10.1080/09593330.2018.149892 3
17	Ali, BM; Velavan, B; Sudhandiran, G; Sridevi, J; Nasar, AS	Radical dendrimers: Synthesis, anti- tumor activity and enhanced cytoprotective performance of TEMPO free radical functionalized polyurethane dendrimers	EUROPEAN POLYMER JOURNAL	5- Jan	2020	122					10.1016/j.eurpolymj.2019.109354
18	Mannacharaju, M; Villalan, AK; Shenbagam, B; Karmegam, PM; Natarajan, P; Somasundaram, S; Arumugam, G; Ganesan, S	Towards sustainable system configuration for the treatment of fish processing wastewater using bioreactors	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	20- Jan	2020	27	1	353	365		10.1007/s11356-019-06909-x
19	Kumar, BVNP; Reddy, RR	Interaction of ionic liquids with proteins: NMR studies of binding and dynamics	ANNUAL REPORTS ON NMR SPECTROSCOPY, VOL 99	Jan	2020	99		1	56		10.1016/bs.arnmr.2019.08.001

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

