

CSIR-CLRI Publications for the period SEPTEMBER 2022
(Indexed in SCI-Expanded)

SEPTEMBER 2022

| SL. No. | AUTHORS | TITLE | SOURCE | PD* | PY* | VL* | IS* | BP* | EP* | DOI* |
|---------|--|---|--|--------|------|-----|-----|------|------|-------------------------------|
| 1 | Ramya, V; Murugan, D; Lajapathirai, C; Meenatchisundaram, S; Arumugam, S | A composite adsorbent of superparamagnetic nanoparticles with sludge biomass derived activated carbon for the removal of chromium (VI) | JOURNAL OF CLEANER PRODUCTION | SEP 15 | 2022 | 366 | | | | 10.1016/j.jclepro.2022.132853 |
| 2 | Mukherjee, M; Mandal, S; Gnanasundaram, S; Das, BN | Polyurethane-layered double hydroxide nanocomposite foam: in situ synthesis by reaction injection molding and characterization | POLYMER INTERNATIONAL | SEP | 2022 | 71 | 9 | 1072 | 1081 | 10.1002/pi.6365 |
| 3 | Mohan, R; Muthukumar, R; Ganesan, RS; Shrividhya, S; Sivakumar, V | Remediation of Spent Vegetable Tannins from Waste Tanning Liquor through Coagulation and Ultrasound Pre-Treatment: A Sustainable Approach | JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION | SEP | 2022 | 117 | 9 | 367 | 378 | |
| 4 | Jayaraman, N; Palani, Y; Jonnalagadda, RR; Shanmugam, E | Covalently dual functionalized graphene oxide-based multiplex electrochemical sensor for Hg(II) and Cr(VI) detection | SENSORS AND ACTUATORS B-CHEMICAL | SEP 15 | 2022 | 367 | | | | 10.1016/j.snb.2022.132165 |
| 5 | Selvakumar, G; Lonchin, S | Bioactive functional collagen-oxidized pullulan scaffold loaded with polydatin for treating chronic wounds | BIOMATERIALS ADVANCES | SEP | 2022 | 140 | | | | 10.1016/j.bioadv.2022.213078 |

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|----|--|---|--|--------|------|-----|----|-------|-------|-----------------------------------|
| 6 | Samidurai, S; Khambhaty, Y; Alagamuthu, TS | Bio-preservation of raw hides/skins: A review on greener substitute to conventional salt curing | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | SEP | 2022 | 29 | 43 | 64513 | 64535 | 10.1007/s11356-022-22027-7 |
| 7 | Muralidharan, V; Palanivel, S; Balaraman, M | Turning problem into possibility: A comprehensive review on leather solid waste intra-valorization attempts for leather processing | JOURNAL OF CLEANER PRODUCTION | SEP 20 | 2022 | 367 | | | | 10.1016/j.jclepro.2022.133021 |
| 8 | Sisila, V; Janeena, A; Prem, S; Mohandass, P; Narayanan, J; Easwaramoorthi, S; Ganesh, S; Kamini, NR; Ayyadurai, N | Protein-based metal bio-cleaner for detoxification of wastewater | JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY | SEP | 2022 | 97 | 9 | 2581 | 2591 | 10.1002/jctb.7130 |
| 9 | Thilagam, R; Mubeena, S; Punnose, AM; Gnanamani, A | Fibrous protein composite scaffolds (3D) for tissue regeneration: An in vitro study on skeletal muscle regeneration | COLLOIDS AND SURFACES B-BIOINTERFACES | SEP | 2022 | 217 | | | | 10.1016/j.colsurfb.2022.112656 |
| 10 | Gopal, SS; Kasiappan, R; Vallikannan, B; Ponesakki, G | Effective inhibition of adipogenesis-mediated inflammation by a macular carotenoid, lutein in vitro | JOURNAL OF FOOD BIOCHEMISTRY | SEP | 2022 | 46 | 9 | | | 10.1111/jfbc.14211 |
| 11 | Kumar, ETD; Easwaramoorthi, S; Rao, JR | Cd ₂ V ₂ O ₇ -ZnO mixed oxide for extended wavelength absorption with suppressed charge carrier recombination: A photocatalytic material | MATERIALS CHEMISTRY AND PHYSICS | SEP 15 | 2022 | 289 | | | | 10.1016/j.matchemphys.2022.126484 |
| 12 | Mahendiran, B; Muthusamy, S; Sampath, S; | In vitro and in vivo biocompatibility of decellularized cellulose | INTERNATIONAL JOURNAL OF BIOLOGICAL | SEP 30 | 2022 | 217 | | 522 | 535 | 10.1016/j.ijbiomac.2022.07.052 |

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|----|---|--|-----------------------------------|--------|------|-----|--|--|--|-----------------------------------|
| | Jaisankar, SN; Selvakumar, R; Krishnakumar, GS | scaffolds functionalized with chitosan and platelet rich plasma for tissue engineering applications | MACROMOLECULES | | | | | | | |
| 13 | Ramanathan, G; Thangavelu, M; Felciya, SJG; Sivagnanam, UT | Dual drug loaded polyhydroxy butyric acid/gelatin nanofibrous scaffold for possible post- surgery cancer treatment | MATERIALS LETTERS | SEP 15 | 2022 | 323 | | | | 10.1016/j.matlet.2022.132597 |
| 14 | Jawahar, M; Sharen, H; Anbarasi, LJ; Gandomi, AH | ALNett: A cluster layer deep convolutional neural network for acute lymphoblastic leukemia classification | COMPUTERS IN BIOLOGY AND MEDICINE | SEP | 2022 | 148 | | | | 10.1016/j.compbio med.2022.105894 |

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