

CSIR-CLRI Publications 2022 (Indexed in SCI-Expanded)

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

| SL. No. | AUTHORS | TITLE | SOURCE | PY* | VL* | IS* | BP* | EP* | DOI* |
|---------|---|---|--|-----|-----|-----|-----|-----|-------------------------------|
| 1 | Mozhiarasi, V; Natarajan, TS | Slaughterhouse and poultry wastes: management practices, feedstocks for renewable energy production, and recovery of value added products | BIOMASS CONVERSION AND BIOREFINERY | | | | | | 10.1007/s13399-022-02352-0 |
| 2 | Janeena, A; Jayaraman, N; Shanmugam, G; Easwaramoorthi, S; Ayyadurai, N | Electrochemical Response of Redox Amino Acid Encoded Fluorescence Protein for Hydroxychloroquine Sensing | APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY | | | | | | 10.1007/s12010-022-04142-w |
| 3 | Reddy, RR; Subramanian, J; Kumar, BVNP | NMR Studies on the Interaction of Anticancer Drug Doxorubicin with Membrane Mimetic SDS | JOURNAL OF PHYSICAL CHEMISTRY B | | | | | | 10.1021/acs.jpcc.2c05909 |
| 4 | Aaron, KP; Rose, ZS; Kaliappa, K | Study on the Amalgamation of Jute Fabric and Leather for Lifestyle Applications | JOURNAL OF NATURAL FIBERS | | | | | | 10.1080/15440478.2022.2036290 |
| 5 | Mohan, R; Sivakumar, V | Analysis and correlation of ultrasound cavitation energy in ultrasound tank with coloration of fibrous materials: leather dyeing | BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING | | | | | | 10.1007/s43153-022-00241-7 |
| 6 | Natarajan, P; Karmegam, PM; Madasamy, J; | Effective treatment of domestic sewage to reuse in textile dyeing and | INTERNATIONAL JOURNAL OF ENVIRONMENTAL | | | | | | 10.1007/s13762-022-04275-9 |

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| | Somasundaram, S; Ganesan, S | catalytic treatment of generated dye wastewater | SCIENCE AND TECHNOLOGY | | | | | | |
| 7 | Mandal, S; Jayanthi, D; Muralidharan, C | Reduction in chemicals leaching in the leather industry effluent using hydrated layered double hydroxide as a fixative | INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY | | | | | | 10.1007/s13762-022- 04020-2 |
| 8 | Bhasi, AP; Wilson, NH; Palanisamy, T | Nanosized Hexagonal Boron Nitride and Polyethylene Glycol-Filled Leathers for Applications Demanding High Thermal Insulation and Impact Resistance | ACS OMEGA | | | | | | 10.1021/acsomega.2 c05567 |
| 9 | Benish, PMR; Mozhiarasi, V; Nagabalaji, V; Weichgrebe, D; Srinivasan, SV | Optimization of process parameters for enhanced methane production from banana peduncle by thermal pretreatment | BIOMASS CONVERSION AND BIOREFINERY | | | | | | 10.1007/s13399-022- 02917-z |
| 10 | Rajendiran, N; Ganesan, S; Velmurugan, N; Venkatachalam, SS | Synergistic effect of biogas production from co-digestion of fish and vegetable market wastes and kinetic modelling | BIOMASS CONVERSION AND BIOREFINERY | | | | | | 10.1007/s13399-022- 03244-z |
| 11 | Muralidharan, V; Gochhayat, S; Palanivel, S; Madhan, B | Influence of preparation techniques of cellulose II nanocrystals as reinforcement for tannery solid waste-based gelatin composite films | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | | | | | | 10.1007/s11356-022- 23058-w |
| 12 | Kailasam, S; Sundaramanickam, A; Tamilvanan, R; Kanth, SV | Macrophytic waste optimization by synthesis of silver nanoparticles and | INORGANIC AND NANO-METAL CHEMISTRY | | | | | | 10.1080/24701556.2 022.2034013 |

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| | | exploring their agro-fungicidal activity | | | | | | | |
| 13 | Mozhiarasi, V; Natarajan, TS | Bael fruit shell-derived activated carbon adsorbent: effect of surface charge of activated carbon and type of pollutants for improved adsorption capacity | BIOMASS CONVERSION AND BIOREFINERY | | | | | | 10.1007/s13399-022-03211-8 |
| 14 | Indumathy, R; Senthilrajkapoor, P; Kalaierasi, G; Sathyaraj, G; Uma, V | Synthesis, spectral characterization, protein binding and cytotoxic evaluation of new cobalt(II) and cobalt(III) complexes containing benzimidazolylterpyridine as ligand | JOURNAL OF COORDINATION CHEMISTRY | | | | | | 10.1080/00958972.2022.2141116 |
| 15 | Gopal, SS; Sukhdeo, SV; Vallikannan, B; Ponesakki, G | Lutein ameliorates high-fat diet-induced obesity, fatty liver, and glucose intolerance in C57BL/6J mice | PHYTOTHERAPY RESEARCH | | | | | | 10.1002/ptr.7615 |
| 16 | Jawahar, M; Anbarasi, LJ; Geetha, S | Vision based leather defect detection: a survey | MULTIMEDIA TOOLS AND APPLICATIONS | | | | | | 10.1007/s11042-022-13308-x |
| 17 | Thangarasu, S; Siva, V; Kannan, S; Bahadur, SA; Athimoolam, S | Polymorphism in Chloride Salt of m-Nitroaniline: Structural, Spectroscopic, Thermal, Molecular Docking, Biological, and Quantum Chemical Computational Investigation | POLYCYCLIC AROMATIC COMPOUNDS | | | | | | 10.1080/10406638.2022.2130374 |

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| 18 | Subbiah, N; Palanisamy, T | Collagen-Supported Amino-Functionalized Ag@SiO ₂ Core-Shell Nanoparticles for Visible- Light-Driven Water Remediation | ACS APPLIED NANO MATERIALS | | | | | | 10.1021/acsanm.2c0 2751 |
| 19 | Ramesh, RR; Abu Javid, M; Ponnuvel, M; Rathinam, A | Sustainable utilization of agro-industrial waste for the production of chromium tanning agent through redox synthesis for leather industry: a circular economy approach | BIOMASS CONVERSION AND BIOREFINERY | | | | | | 10.1007/s13399-022- 03305-3 |
| 20 | Sundaramoorthy, S; Singh, N; Taube, CR; Katiyar, R; Muralidharan, V; Palanivel, S | Electro-oxidation of tannery wastewater to achieve zero discharge - a step towards sustainability | ENVIRONMENTAL TECHNOLOGY | | | | | | 10.1080/09593330.2 022.2049887 |
| 21 | Selvaraj, S; Inbasekar, C; Pandurangan, S; Nishter, NF | Collagen-coated silk fibroin nanofibers with antioxidants for enhanced wound healing | JOURNAL OF BIOMATERIALS SCIENCE- POLYMER EDITION | | | | | | 10.1080/09205063.2 022.2106707 |
| 22 | Lafo, CT; Essomba, JS; Mouthe, GAA; Ndi, JN; Belibi, PDB | Comparative study of laterite clay and activated smectite in the adsorption of indigo carmine in aqueous solution | INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY | | | | | | 10.1007/s13762-022- 04640-8 |
| 23 | Subramanian, R; Sundararaman, S; Baidullayeva, A; Venkateswaran, B; Deivasigamani, P; Arthy, M; Kumar, JA | Evaluation of SBRP and BRP at various process conditions for the removal of pollutants from dairy effluent: optimization and kinetic studies | BIOMASS CONVERSION AND BIOREFINERY | | | | | | 10.1007/s13399-022- 03533-7 |

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| 24 | Premalatha, A; Vijayalakshmi, K; Shanmugavel, M; Rajakumar, GS | Optimization of culture conditions for enhanced production of extracellular alpha-amylase using solid-state and submerged fermentation from <i>Aspergillus tamaraii</i> MTCC5152 | BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY | | | | | | 10.1002/bab.2403 |
| 25 | Ramar, P; Raghavendra, V; Murugan, P; Samanta, D | Immobilization of Polymers to Surfaces by Click Reaction for Photocatalysis with Recyclability | LANGMUIR | | | | | | 10.1021/acs.langmuir .2c00809 |

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