

**CSIR-CLRI Publications for the period JUNE 2021  
(Indexed in SCI-Expanded)**

**JUNE 2021**

| SI. No | AUTHORS   | TITLE   | SOURCE  | PD*    | PY*  | VL* | IS* | BP*   | EP*   | DOI*                          |
|--------|---|---|---|--------|------|-----|-----|-------|-------|-------------------------------|
| 1      | 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 of a pilot-scale bio-filter         | JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING | 30-Jun | 2021 | 56  | 6   | 625   | 634   | 10.1080/10934529.2021.1903283 |
| 2      | Mayakrishnan, S; Tamizmani, M; Balachandran, C; Aoki, S; Maheswari, NU  | Rh(III)-Catalysed synthesis of cinnolinium and fluoranthenium salts using C-H activation/annulation reactions: organelle specific mitochondrial staining applications                               | ORGANIC & BIOMOLECULAR CHEMISTRY  | 28-Jun | 2021 | 19  | 24  | 5413  | 5425  | 10.1039/d1ob00376c            |
| 3      | Nisha, UM; Umopathy, MJ; Sivasamy, A                                    | Effective degradation of 2,4-Dichlorophenoxy acetic acid endocrine disruptor using CeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> mixed metal oxide photocatalyst under visible light irradiation | JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS   | JUN    | 2021 | 32  | 11  | 14791 | 14800 | 10.1007/s10854-021-06033-y    |

|   |  |  |   |        |      |     |    |       |       |                                |
|---|--|--|---|--------|------|-----|----|-------|-------|--------------------------------|
| 4 | Prameela, GKS;<br>Kumar, BVNP;<br>Subramanian, J;<br>Tsuchiya, K; Pan, A;<br>Aswal, VK; Abe, M;<br>Mandal, AB; Moulik,<br>SP | Interaction between sodium dodecylsulfate (SDS) and pluronic L61 in aqueous medium: assessment of the nature and morphology of the formed mixed aggregates by NMR, EPR, SANS and FF-TEM measurements | PHYSICAL CHEMISTRY<br>CHEMICAL PHYSICS                          | 21-Jun | 2021 | 23  | 23 | 13170 | 13180 | 10.1039/d0cp06227h             |
| 5 | Ramalingam, B;<br>Venkatachalam, SS;<br>Kiran, MS; Das, SK   | Rationally designed Shewanella oneidensis Biofilm Tailored Graphene-Magnetite Hybrid Nanobiocomposite as Reusable Living Functional Nanomaterial for Effective Removal of Trivalent Chromium         | ENVIRONMENTAL POLLUTION   | 1-Jun  | 2021 | 278 |    |       |       | 10.1016/j.envpol.2021.116847   |
| 6 | Bargavi, S;<br>Gouthaman, S;<br>Sugunalakshmi, M;<br>Lakshmi, S  | Synthesis, spectroscopic investigation, crystal structure analysis, quantum chemical study, biological activity and molecular docking of three isatin derivatives                                    | ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY           | JUN    | 2021 | 77  |    | 299   | +     | 10.1107/S2053229621004940      |
| 7 | Arokianathan, JF;<br>Ramya, KA;<br>Deshpande, AP;<br>Leemarose, A;<br>Shanmugam, G   | Supramolecular organogel based on di-Fmoc functionalized unnatural amino acid: An attempt to develop a correlation between   | COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS | 5-Jun  | 2021 | 618 |    |       |       | 10.1016/j.colsurfa.2021.126430 |

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|----|--|---|--|--------|------|-----|---|-----|-----|--------------------------------|
|    |  | molecular structure and ambidextrous gelation   |  |        |      |     |   |     |     |                                |
| 8  | Govindarajan, D;<br>Nandhagopal, S;<br>Shanmuganathan, S;<br>Ramasamy, J;<br>Kiran, MS | Modular mucopolysaccharide gelatin naturapolyceutics hydrocolloid biomatrix with cobalt nano-additives for high density vascular network assembly   | INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES   | 30-Jun | 2021 | 181 |   | 847 | 857 | 10.1016/j.ijbiomac.2021.04.016 |
| 9  | Natarajan, TS;<br>Tayade, RJ   | Direct dual CaIn <sub>2</sub> S <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> semiconductor nanocomposites with efficient inter-cross-sectional charge carrier transfer for enhanced visible light photocatalysis | JOURNAL OF NANOPARTICLE RESEARCH                     | JUN    | 2021 | 23  | 6 |     |     | 10.1007/s11051-021-05252-y     |
| 10 | Gebryergs, T;<br>Sivaranjani, C;<br>Fathima, NN  | Valorisation of Tannery Waste and Animal By-Product for Acoustics Applications  | JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION | JUN    | 2021 | 116 | 6 | 198 | 202 |                                |
| 11 | Muralidharan, V;<br>Ramesh, RR;<br>Madhan, B;<br>Palanivel, S                          | Biochemical and Physical Changes in Goatskin during Bacterial Putrefaction  | JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION | JUN    | 2021 | 116 | 6 | 203 | 212 |                                |

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|----|---|--|--|--------|------|-----|----|-------|-------|---------------------------------|
| 12 | Vedaraman, N;<br>Srinivas, K;<br>Krishnamoorthy, D;<br>Aparna, V; Anand,<br>VP; Raj, AS; Abu<br>Javid, MM;<br>Muralidharan, C;<br>Sundar, VJ; Iyappan,<br>K; Velappan, KC | Development of<br>Improved Liming<br>Process based on<br>Automated pH<br>Monitoring and Control<br>System  | JOURNAL OF<br>THE AMERICAN<br>LEATHER<br>CHEMISTS<br>ASSOCIATION | JUN    | 2021 | 116 | 6  | 213   | 220   |                                 |
| 13 | Rajendran, I;<br>Ponrasu, T;<br>Rajaram, R; Suguna,<br>L  | The apoptotic effect of<br>Ferulic acid-synthesized<br>gold nanoparticles<br>against human<br>epidermoid carcinoma<br>(A431) cells via<br>activation of caspase-3<br>pathway                       | JOURNAL OF<br>DRUG DELIVERY<br>SCIENCE AND<br>TECHNOLOGY         | JUN    | 2021 | 63  |    |       |       | 10.1016/j.jddst.2021.10<br>2478 |
| 14 | Damodharan, K;<br>Arumugam, GS;<br>Ganesan, S; Doble,<br>M; Thennarasu, S   | A comprehensive<br>overview of vaccines<br>developed for pandemic<br>viral pathogens over the<br>past two decades<br>including those in<br>clinical trials for the<br>current novel SARS-<br>CoV-2 | RSC ADVANCES   | 17-Jun | 2021 | 11  | 33 | 20006 | 20035 | 10.1039/d0ra09668g              |

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