



R&D PROJECTS SACTIONED (2022-2023)

1. Mr.M.S.Kamalesh / EEE received research grant of Rs.17,39,024/- for the project entitled “Design of a paddle based auxiliary charging circuit for E-bikes in left-out situation” under SERB-SIRE scheme on 23.08.2022, Ref. SIR/2022/000778.
2. Dr.R.Parameshwaran / MTS, Dr.S.M.Senthil / Mechanical and Dr.S.Praveenkumar / MTS received research grant of Rs.1,27,84,315/- for the project entitled “Development of intelligent powder-based 3D metal printer with integrated post-processing unit and industry 4.0 features” under DST-TDT-AMT scheme on 04.10.2022, Ref. DST/TDT/AMT/2021/013(G), DST/TDT/AMT/2021/013(C).

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1. Ponnusamy Kulanthaivel., Balu Soundara., Subburaj Selvakumar., and Arunava Das., (2022). Application of waste eggshell as a source of calcium in bacterial bio-cementation to enhance the engineering characteristics of sand. *Environmental Science and Pollution Research*, Vol.29(44), pp.66450–66461.
2. Thangavelu Arumugam., Sapna Kinattinkara., Socia Kannithottathil., Sampathkumar Velusamy., Manoj Krishna., Manoj Shanmugamoorthy., Vivek Sivakumar., and Kaveripalayam Vengatachalam Boobalakrishnan., (2022). Comparative assessment of groundwater quality indices of Kannur District, Kerala, India using multivariate statistical approaches and GIS. *Environmental Monitoring and Assessment*, Vol.195(29).
3. Priyanka Prabhakaran., Anandakumar Subbaiyan., Dineshkumar Gopalakrishnan., Harsha Vardhana Balaji., Ramkumar, S., Suresh Veluswamy., Dineshkumar Murugesan., Satheeskumar Seerangagounder., Sivakumar Arunachalam., Prabhu Velusamy., and Priyanka Bhaskaran., (2022). Maintenance Methodologies embraced for Railroad systems: A Review. *Advances in Material Science and Engineering*, Article ID: 7655245.

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