

LAST 5 YEARS - LIST OF PUBLICATIONS

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Research Publications

1. **Julie Charles** (2015) “Dielectric and Microwave Properties of Cured and Uncured Natural Rubber Composites”, International Journal of Chemical Engineering– IJCE, Volume 2, No. 1, pp. 182-188.
2. **Julie Charles**, S. Gunasekaran (2016) “Experimental and theoretical investigations of natural rubber(cis-1,4-polyisoprene) using Coloumb attenuating and Hartree–Fock theoretical methods”, Optik- International Journal for Light and Electron optics, Volume 127, No. 1, pp. 279-287.
3. **Julie Charles** (2017) “Characterization of Reclaim rubber and Reclaim rubber/Natural rubber blend”, International Journal of ChemTech Research, Volume 10, No. 7, pp. 359-371.
4. Suganthi Muthusamy, **Julie Charles**, B. Renganathan, D. Sastikumar (2018) “In situ growth of prussian blue nanocubes on polypyrrole nanoparticles: facile synthesis, characterization and their application as fiber optic gas sensor”, Journal of Materials Science, Volume 53, Issue 22, pp. 15401–15417.
5. Suganthi Muthusamy, **Julie Charles** (2019) “In situ synthesis and characterization of polyaniline/prussian blue/zinc oxide nanocomposite”, Polymer Bulletin, Volume 76, Issue 1, pp. 119–137.
6. Suganthi Muthusamy, **Julie Charles**, M.S. Michael, K. Shree Kesavan (2019) “Enhanced specific capacitance of a novel ternary polypyrrole incorporated with prussian blue and mesoporous carbon black for high performance supercapacitor applications”, Materials Research Bulletin, Volume 120, pp. 110587.
7. **Julie Charles**, Suganthi Muthusamy (2019) “Facile Synthesis of Ternary Polypyrrole/Prussian blue/Titanium dioxide Composite and their Performance for Isopropyl Alcohol Sensing at Room Temperature”, AIP Proceedings, Volume 2166, Issue 1, pp. 1-6.