

1. Magnetoelectric response and tunneling magnetoresistance behavior of flexible P (VDF-H FP)/Cobalt ferrite nanofiber composite films S Prathipkumar, J Hemalatha, *Ceramics International* 46 (1), (2020) 258-269
2. Investigation of thermophysical properties of aqueous magnesium ferrite nanofluids R Kirithiga, J Hemalatha, *Journal of Molecular Liquids* 317, (2020) 113944
3. The structural, morphological and magnetic force microscopy studies of highly crystalline cobalt ferrite (CoFe_2O_4) fibers, PD Prasad, J Hemalatha, *AIP Conference Proceedings* 2265 (1), (2020) 030105
4. Magnetically tuned thermoelectric behavior of Zn-doped magnetite nanofluids K Anu, J Hemalatha, *Nanotechnology* 32 (2), (2020) 025707
5. Experimental investigation on interfacial properties and wettability of MgFe_2O_4 nanofluids R Kirithiga, J Hemalatha, *AIP Conference Proceedings* 2265 (1), (2020) 030113
6. Enhanced magnetic properties of highly crystalline cobalt ferrite fibers and their application as gas sensors, PD Prasad, J Hemalatha, *Journal of Magnetism and Magnetic Materials* 484, (2019) 225-233
7. Magnetic and electrical conductivity studies of zinc doped cobalt ferrite nanofluids K Anu, J Hemalatha, *Journal of Molecular Liquids* 284, 445-453
8. Enhanced dielectric and ferroelectric properties of cobalt ferrite (CoFe_2O_4) fiber embedded polyvinylidene fluoride (PVDF) multiferroic composite films, PD Prasad, J Hemalatha *Materials Research Express* 6 (9), (2019) 094007
9. Magnetoelectric P (VDF-HFP)- CoFe_2O_4 films and their giant magnetoresistance properties S Divya, K Jeyadheepan, J Hemalatha, *Journal of Magnetism and Magnetic Materials* 492, (2019) 165689
10. Dielectric and energy storage density studies in electrospun fiber mats of polyvinylidene fluoride (PVDF)/zinc ferrite (ZnFe_2O_4) multiferroic composite, PD Prasad, J Hemalatha *Physica B: Condensed Matter* 573, (2019) 1-6
11. Synthesis and characterization of PANI- CoFe_2O_4 nanocomposite and its gas sensing application P Lavanya Rathi, J Hemalatha *AIPC* 2115 (1), (2019) 030173
12. Dielectric and energy storage density studies in electrospun fiber mats of polyvinylidene fluoride (PVDF)/zinc ferrite (ZnFe_2O_4) multiferroic composite, P Durga Prasad, J Hemalatha *PhyB* 573, (2019) 1-6

13. Enhancement in β phase and dielectric property of P(VDF-HFP)/SrFe₁₂O₁₉ nanofiber composite films, S Prathipkumar, J Hemalatha AIP Conference Proceedings 2115 (1), (2019)030183
14. Acoustic studies of water-based hybrid magnetite-magnesium ferrite magnetic nanofluids R Kirithiga, J Hemalatha AIPC 2115 (1), (2019) 030132
15. Ultrasonic and magnetic investigations of the molecular interactions in zinc doped magnetite nanofluids, Anu. K, Hemalatha. J, Journal of Molecular Liquids, 256, (2018) 213-223.
16. Magnetoelectric investigations on Poly (vinylidene fluoride)/CoFe₂O₄ flexible Electrospun membranes, P. Durga prasad, J Hemalatha, Journal of Magnetism and Magnetic Materials, 448, (2018) 94-99.
17. Structural and Electrical properties of P(VDF-HFP)/ ZnFe₂O₄ nanocomposites, Ferroelectrics, S. Divya, J Hemalatha, 519(1), (2017) 152-156.
18. Study on the enhancement of ferroelectric β phase in P(VDFHFP) films under heating and poling conditions, S. Divya, J Hemalatha, European Polymer Journal, 2017, 31227.
19. Synthesis and ferroelectric investigations of poly (vinylidene fluoride eco-hexafluoropropylene)-Mg(NO₃)₂ films, S. Divya, T. Sakthi, J Hemalatha, Journal of Applied Polymer Science, 2016, 133,1-8.
20. Molecular interactions in silicone rubber - Nano hydroxyl apatite system in solution phase probed by ultrasonic technique, Bindu M, Jayadevan, Janisha, Hemalatha J and Unnikrishnan G, Journal of Molecular Liquids, (2016) 221.
21. Magnetoelectric investigations on Poly (vinylidene fluoride)/(NiFe₂O₄) flexible films fabricated through solution casting method, T. Prabhakaran, J Hemalatha, RSC Advances, 2016, 1-7.
22. Combustion synthesis and characterization of cobalt ferrite nanoparticles, T. Prabhakaran, J Hemalatha, Ceramics International, 2016, 16, 30856.