

1. Dielectric dispersion and molecular interaction in polymer (PVA)-surfactant (SDS) mixtures using picosecond time domain reflectometry, DJS Anand Karunakaran, T Ganesh, M Maria Sylvester, P Senthilkumar, Praveen Hudge, AC Kumbharkhane, Journal of Molecular Liquids 224, 1199-1204, 2016.
2. Dielectric dispersion, relaxation dynamics and thermodynamic studies of Beta-Alanine in aqueous solutions using picoseconds time domain reflectometry, K Vinoth, T Ganesh, P Senthilkumar, M Maria Sylvester, DJS Anand Karunakaran, Praveen Hudge, AC Kumbharkhane, Physica B: Condensed Matter 521, 323-330, 2017.
3. Dielectric dispersion and thermodynamic behavior of stearic acid binary mixtures with alcohol as co-solvent using time domain reflectometry, M Maria Sylvester, T Ganesh, DJS Anand Karunakaran, P Senthilkumar, Praveen G Hudge, AC Kumbharkhane, Journal of Advanced Dielectrics 7 (04), 1750027, 2017.
4. Dielectric dispersion, relaxation and molecular interaction of pyrazine binary mixtures, P Senthilkumar, T Ganesh, K Vinoth, M Maria Sylvester, DJS Anand Karunakaran, Praveen G Hudge, AC Kumbharkhane, Journal of Physics Communications 2 (3), 035042, 2018.
5. Dielectric relaxation and molecular interaction investigation of glycolic acid-water mixture using time domain reflectometry, P Senthilkumar, T Ganesh, K Vinoth, M Maria Sylvester, DJS Anand Karunakaran, Praveen Hudge, AC Kumbharakhane, Indian Journal of Pure & Applied Physics (IJPAP) 57 (3), 180-187, 2019.
6. Dielectric dispersion and thermodynamical effect of aqueous morpholine by using picosecond TDR, P Senthilkumar, T Ganesh, K Vinoth, MM Sylvester, DJS Karunakaran, NISCAIR-CSIR, India, 2019.
7. Metaphor of molecular dynamics and dielectric dispersion of morpholine with aprotic solvents, P Senthilkumar, T Ganesh, K Vinoth, DJSA Karunakaran, Physics and Chemistry of Liquids, 2020.
8. Molecular dynamics and dielectric relaxation by DRS, calorimetric analysis and spectral inferences of amino acid complexes, K Vinoth, T Ganesh, PS Kumar, MM Sylvester, DJSA Karunakaran, Chemical Physics Letters 731, 136585, 2019.