

List of Publications from the thesis:

1. **Brijesh Patel**, Sneha Singh, Kushan Parikh, Vishwajit Chavda, Darshna Hirpara, Debes Ray, Vinod K. Aswal, and Sanjeev Kumar. "Composition triggered Aggregation/Solubilization behaviour of mixed counter charged gemini Surfactants: A Multi-technique investigations." Journal of Molecular Liquids 359 (2022): 119242.
2. **Brijesh Patel**, Sneha Singh, Kushan Parikh, Vishwajit Chavda, Debes Ray, Vinod K. Aswal, and Sanjeev Kumar. "Micro-Environment mapping of mole fraction inspired contrasting charged aqueous gemini micelles: A drug solubilization/release study." Journal of Molecular Liquids 363 (2022): 119885.
3. **Brijesh Patel**, Harsh Mahera and Sanjeev Kumar. "Amplification of Curcumin entrapment in blended gemini mixtures with different counter-charged cationic surfactants: Influence of alkyl chain length and mixing composition." (manuscript in preparation).

List of Publications not included in Thesis:

4. Sneha Singh, **Brijesh Patel**, Kushan Parikh, and Sanjeev Kumar. "Fabrication of Cationic Surfactant (Conventional/Gemini) Functionalized Gr@ZrO₂ Nanocomposite with Faster Adsorbability of an Anionic Azo Dye from Aqueous Solution." ChemistrySelect 2020, 5, 1– 10.
5. D. Hirpara, **Brijesh Patel**, Vishwajit Chavda, Sanjeev Kumar. "Micellization of conventional and gemini surfactants in aquoline: A case of exclusively water based deep eutectic solvent." Journal of Molecular Liquids, 362, 119672.
6. D. Hirpara, **Brijesh Patel**, Vishwajit Chavda, Sanjeev Kumar. "Micellization and clouding behaviour of an ionic surfactant in a deep eutectic solvent: A case of the reline-water mixture". Journal of Molecular Liquids, 364, 119991.