

List of Publications from the Thesis:

1. **S. Singh**, A. Bhadoria, K.Parikh, S. K. Yadav, S. Kumar, V. K. Aswal, and S. Kumar, Self-Assembly in Aqueous Oppositely Charged Gemini Surfactants: A Correlation between Morphology and Solubilization Efficacy. *J. Phys. Chem. B* 2017, 121, 8756–8766.
2. **S. Singh**, S. K. Yadav, K. Parikh, A. Desai, S. Dixit and S. Kumar, Mixed Micellization / Clouding Assisted Solubilization of Polycyclic Aromatic Hydrocarbon: Potential in Environmental Remediation. *J. Mol. Liq.* 2018, 272, 413-422.
3. **S.Singh**, K.Parikh, S.Kumar, V.K. Aswal and S. Kumar, Spacer nature and composition as key factor for structural tailoring of anionic/cationic mixed Gemini micelles: Interaction and solubilization studies, *J. Mol. Liq.* 2019, 279, 108-119.
4. **S.Singh**, K. Parikh, S.Kumar, Gemini Functionalized Graphene Zirconium Oxide Nanocomposite: Implication in Adsorptive Removal of Anionic Azo Dyes (manuscript under preparation)
5. **S.Singh**, Debes Ray, V.K. Aswal, S.Kumar, Role of Chain-length Compatibility in the Self Assembly Formation of Anionic-Cationic Gemini Surfactant. (manuscript under preparation)

List of Publications not included in Thesis:

6. K. Parikh, **S. Singh** and S. Kumar, An interplay between spacer nature and alkyl chain length on aqueous micellar properties of cationic Gemini surfactants: A multi-technique approach, *J. Mol. Liq.* 2019, 278, 290-298.
7. K. Parikh, **S. Singh** and S. Kumar, Self-assembly in an aqueous gemini surfactant containing sugar based (isosorbide) spacer, *Arab. J. Chem.* 2018 DOI: <http://doi.org/10.1016/j.arabc.2018.020>.
8. **S. Singh**, B. R. Singh, W. Khan, A. H. Naqvi. Synthesis and characterization of carbon nanotubes/titanium molybdate nanocomposite and assessment of its photocatalytic activity. *J. Mol. Struct.* 2014, 1056–1057, 194–201
9. R. A. K. Rao, **S. Singh**, B. R. Singh, W. Khan, A.H. Naqvi, Synthesis and characterization of surface modified graphene–zirconium oxide nanocomposite and its possible use for the removal of chlorophenol from aqueous solution. *Journal of Environmental Chemical Engineering*, 2014, 2, 199–210.
10. J. A. Khan, Md. Qasim, B. R. Singh, **S. Singh**, Md. Shoeb, W. Khan, D. Das, A. H. Naqvi. Synthesis and characterization of structural, optical, thermal and dielectric properties of polyaniline/CoFe₂O₄ nanocomposites with special reference to photocatalytic activity. *Spectrochim Acta. A*, 2013, 109, 313–321.