List of Publications from the Work:

1) **S. K. Yadav**, R. B. Yadav and S. Kumar, Tuning of Cloud Point by the Nature of of Surfactant Headgroup: Infuence of Counterion and Additives, *J. Surfact. Deterg.* 19 (2016) 1063-1069.
2) **S. K. Yadav**, K. Parikh and S. Kumar, Solubilization potentials of single and mixed oppositely charged gemini surfactants: A case of polycyclic aromatic hydrocarbons, *Colloids Surf. A: Physicochem. Eng. Aspects* 514 (2017) 47-55.
3) **S. K. Yadav**, K. Parikh and S. Kumar, Mixed micelle formation of cationic Gemini surfactant with anionic bile salt: a PAH Solubilization study, *Colloids Surf. A: Physicochem. Eng. Aspects* 522 (2017) 105-112.
4) **S. K. Yadav** and S. Kumar, Counterion-specific clouding in aqueous anionic surfactant: a case of Hofmeister-like, *Colloid Polym. Sci.* 5 (295) (2017) 869-876.
5) 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 morphologies and Solubilization efficacy. *J. Phys. Chem.* B, 2017, **Under publication** (JP2017-03989YR1).
6) S. Singh, **S. K. Yadav**, K. Parikh, A. Desai, S. Dixit and S. Kumar, Micellization, Clouding and Solubilization in Mixture of Anionic Gemini Surfactant with tetra-*n*-Pentyl Amonium Bromide, **Manuscript Under Preparation**.

Papers Presented at various Conferences/Symposia/Seminars:

[1] Effect of Biomolecules on the Clouding Behaviour of Sodium DodecylSulfate + tetra-n-pentylammonium Bromide System. **Sanjay Kumar Yadav** and Sanjeev Kumar, Modern Trends in Chemistry (**MTC**) – 2013, 21th-23th March 2015, held at Department of Chemistry, Faculty of Science, The MSU Baroda, Vadodara

[2] Clouding phenomenon in sodium dodecylsulfonate in presence of symmetrical and unsymmetrical Quaternary Halides. **Sanjay Kumar Yadav** and Sanjeev Kumar, National Conference on Recent Trends in Science of Materials (**NCSM**) – 2015, 28th-30th December 2015, held at Department of Chemistry, Faculty of Science, The MSU Baroda, Vadodara

[3] Solubilization capabilities of mixtures of cationic Gemini surfactant with anionic sodium cholate towards polycyclic aromatic hydrocarbons: Influence of chain length and spacer. **Sanjay Kumar Yadav** and Sanjeev Kumar, Recent Scenario in Science and Technology (**RSST**) – 2016, 27th February 2016, held at Applied Chemistry Department, Faculty of Tech. & Engg The MSU Baroda, Vadodara.

[4] Micellar Solubilization of Polycyclic Aromatic Hydrocarbons in the Mixture of Cationic Gemini surfactant with Sodium Deoxycholate: Chain length and Spacer effect. **Sanjay Kumar Yadav** and Sanjeev Kumar, Frontier Areas in Chemical Sciences (**FACS**) – 2016, 19th March 2016, held at Department of Chemistry, Faculty of Science, The MSU Baroda, Vadodara.