Publications

The following publications were the outcome of the Ph.D. work

1. Formation and growth of gemini surfactant (12-s-12) micelles as a modulate by spacers: A thermodynamic and small-angle neutron scattering (SANS) study.

2. Quantitative analysis and subsequent effects of partitioning of a mono- and dihydric C₄ alcohols into the micelles of cationic surfactants.

3. Cationic micelles modulated in the presence of α,ω- alkanediols: A SANS, NMR and conductometric study.

   S. Chavda, P. Bahadur Communicated to J. Soln. Chem.

5. Micellization of a cationic gemini surfactant in aqueous solutions with different alkanols and alkanediols as additives: Effect of nonpolar chain and position of hydroxyl groups.

6. Aqueous solution behavior of tetradecyltrimethylammonium bromide modulated by the presence of mono/diethylene glycols and their mono/dialkyl ethers.

7. Interaction between nonionic and gemini (cationic) surfactants: Effect of spacer chain length.

8. Microstructure and transitions in mixed micelles of cetytrimethylammonium tosylate and bile salts (under preparation and will be submitted to Langmuir).