

## List of Publications.

1. Small Angle Neutron Scattering and Viscosity Studies of Micelle Solution of Bis-cationic Surfactants Containing Methyl, Hydroxyethyl Quaternary Ammonium Head Groups.  
Mahendra Borse, Vikas Sharma, V. K. Aswal, N. K. Pokhriyal, J.V. Joshi, P. S. Goyal, Surekha Devi, *Phy. Chem. Chem. Phys.*, **2004**, 6, 3508-3514.
2. Dependence of aggregation behaviors and physicochemical properties of bis-cationic surfactant on the polarity of surfactant head group.  
Mahendra Borse, Surekha Devi, *Colloids and Surface A*., **2004**, 245, 1-8,
3. Synthesis characterization and SANS studies of novel alkanediyl  $\alpha,\omega$ -bis(alkyl monomethylethanolammonium bromide) cationic dimeric surfactants.  
Vikas Sharma, Mahendra Borse, V. K. Aswal, N. K. Pokhriyal, J.V. Joshi, P. S. Goyal, Surekha Devi, *J. of Colloids and Interface Sci.*, **2004**, 277, 450-455.
4. Effect of Head Group Polarity and Spacer Chain Length on the Aggregation Properties of Gemini Surfactants in an Aquatic Environment.  
Mahendra Borse, Vikas Sharma, V. K. Aswal, N. K. Pokhriyal, J.V. Joshi, P. S. Goyal, Surekha Devi, *J. of Colloids Interface Sci.*, **2005**, 284, 282-288.
5. Oil solubilisation capacity, liquid crystalline properties and anti-bacterial activity of alkanolamines based novel cationic surfactants .  
Vikas Sharma, Mahendra Borse, Keyur Dave, Jayashree Pohnerkar Ashish Prajapati and Surekha Devi, *J. of Dispersion Sci. and Tech.*, **2005**, 26, 4.
6. Corrosion inhibition of iron in 1M HCL by some gemini surfactants in the series of alkanediyl-  $\alpha,\omega$ -bis-(monomethylethanolalkylammonium bromide)  
Vikas Sharma, Mahendra Borse, Smita Johari, Surekha Devi, *Tenside Surf. Det.*, **2005**, 42, 3.
7. Aggregation properties of mixed surfactant system of butane-1,4-bis(dodecyl hydroxyethylmethylammonium bromide) and its monomeric counter part.  
Mahendra Borse, Vikas Sharma, V. K. Aswal, J.V. Joshi, P. S. Goyal, Surekha Devi *Colloids and Surface A*: In Press, 2006.

8. Importance of head group polarity in controlling aggregation properties of cationic gemini surfactants  
Mahendra Borse, Surekha Devi, *Advances in Colloid and Interface Science*, In Press, **2006**.
9. Effect of sodium malate on aggregation behavior of butane-1,4-bis(dodecyl hydroxyethylmethylammonium bromide) and its monomeric counter part  
Mahendra Borse, V. K. Aswal, P. S. Goyal, Surekha Devi, *J. of Colloids Interface Sci.*, Communicated, **2006**.