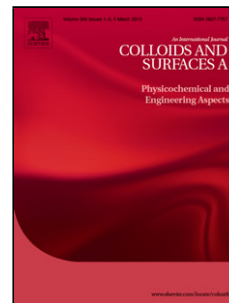


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Micellar and Antimicrobial Activities of Ionic Surfactants in Aqueous Solutions of Synthesized Tetraalkylammonium Based Ionic Liquids

S. Chauhan^{*1}, Maninder Kaur¹, Kuldeep Singh¹, M. S. Chauhan¹, Pooja Kohli²

¹Department of Chemistry, H. P. University, Shimla-171005, India

²Department of Bio-Technology, H. P. University, Shimla-171005, India

*Corresponding Author E-mail address: scschauhan19@gmail.com

Tel.: +91 177 2830803 Fax: +91 177 2830775

Graphical Abstract

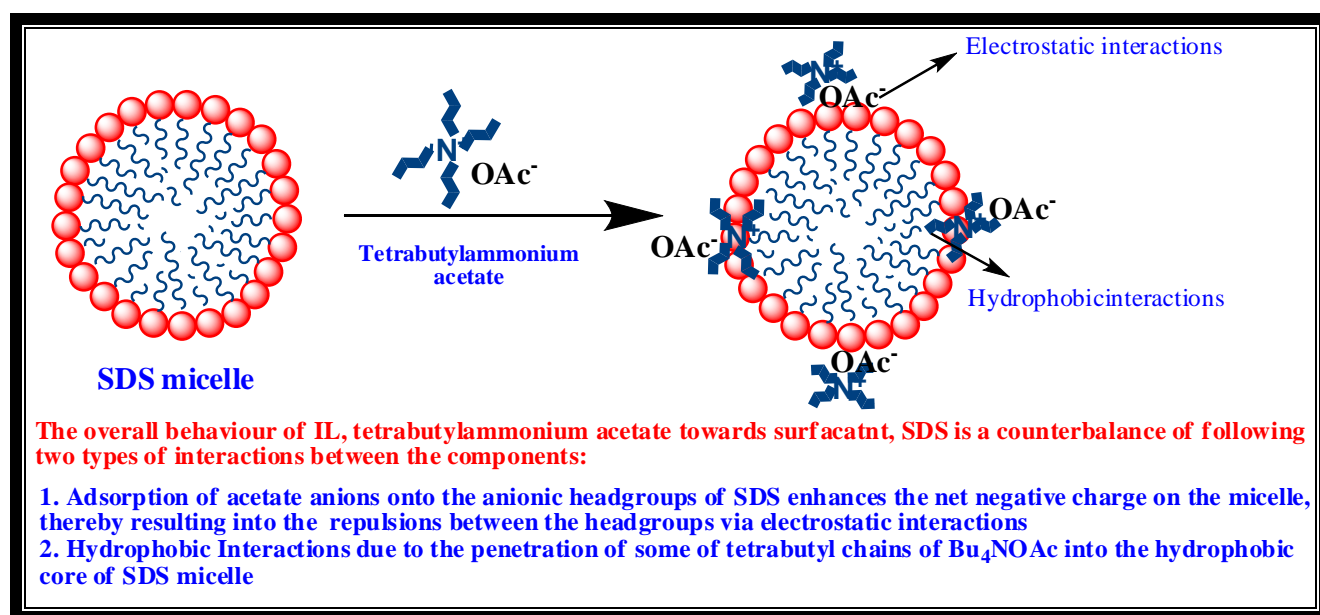


Figure represents hydrophobic and electrostatic interactions between SDS micelles and tetrabutylammonium acetate.

Abstract:

A series of quaternary ammonium based ionic liquids (ILs) containing tetraalkylammonium cation has been synthesized and characterised by NMR as well as FT-IR analysis. Then their effect on aggregation behaviour of an anionic surfactant, Sodium dodecylsulphate (SDS) and a

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