



Colloids and Interfaces with Surfactants and Polymers: An Introduction (Paperback)

By James Goodwin

John Wiley and Sons Ltd, United States, 2009. Paperback. Condition: New. 2nd Revised edition. Language: English . Brand New Book. From blood to milk, pumice to gelatine, most scientists interact with colloids on a daily basis without any real knowledge of their nature. Building on the success of the first edition, Colloids and Interfaces with Surfactants and Polymers Second Edition is a user-friendly, non-technical introduction to colloids and interfaces. Includes: Many practical examples of colloid and interface science An enhanced section on fluorescence microscopy, a widely used technique in biological systems for the optical imaging of cellular structures A new section on phenomenology (the principle of time/temperature superposition), which enables the experimentalist to extend the frequency range of their rheological instruments New information on sedimentation and strategies for the control of sedimentation, which is critical in many dispersions of commercial importance Fresh treatments of traditional theoretical topics like the electrical double-layer, colloidal interactions, wetting behavior and light scattering, as well as more recent advances in polymer science, statistical mechanics and the use of neutrons In-depth discussions of widely used techniques with mathematics used in a straight-forward way so quantitative descriptions of colloid and interface properties can be derived Colloids and...



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