DESCRIPTION

Bridging academic research and industrial applications, this is the first modern approach to relate fundamental research to the applied science of colloids. Edited by the 'l'eminence grise' on this topic and written by the top scientists in the field, this text examines the role of colloid and interface science in pharmacy, as well as pharmaceutical formulations and drug delivery. It then goes on to treat pharmaceutical suspensions and emulsions, including multiple emulsions, as well as liposomes and the role of nanotechnology in drug delivery. A final section is devoted to the hot topic of stem cell research.

For surface and pharmaceutical chemists, physicochemists, chemical engineers and those working in the pharmaceutical industry.

ABOUT THE AUTHOR

After finishing his PhD at Alexandria University, Tharwat Tadros was appointed lecturer in Physical Chemistry (1962-1966) at the same University. Between 1966 and 1969, he spent a sabbatical at the Agricultural University of Wageningen and T.N.O in Delft, the Netherlands. Thereafter he worked at I.C.I. and ZENECA until 1994, where he researched various fields of surfactants, emulsions, suspensions, microemulsions, wetting spreading and adhesion, and rheology. During that period he was also appointed visiting professor at Imperial College London, Bristol University and Reading University. In 1992, he was elected President of the International Association of Colloid and Interface Science. Since leaving ZENECA, Dr Tadros has worked as a consultant for
various industries and also given several courses in his specialized field. He is the recipient of two medals from the Royal Society of Chemistry in the UK, and has more than 250 scientific papers to his name.