

CONTENTS

	Page
Part I Aggregation of Surfactants, and Structure, Dynamics and Characterization of Micelles	
Precipitation of Surfactant Salts: The Solubility in Mixed Systems	1
Intermediate Lyotropic Mesophases in Hexaoxyethylene Ether Nonionic Surfactants and Fluorocarbon Surfactants	9
A Synergistic Surfactant-Electrolyte Effect in Polymer Solutions Observed Through Changes in Polymer Solubility, Specific Ion Activity, and Viscosity	25
Phase Transitions in Micellar liquid Crystals	35
Water/Fluorocarbons in Fluorinated phase	45
Rheology as a Probe for Investigating the State of Surfactant Aggregation in Solution: Application to Nonionic Surfactants	59
Specificity Effects in the Viscoelasticity of Dilute Surfactant Solutions	75
Correlation of Partition Coefficients of Polar molecules in Ionic Surfactant Solutions and in Two – Phase Systems	85
Solubilising Characteristics of Sodium Alkylaryl Sulfonates	99
Solubilization Properties of Nonionic Surfactants and Structures of the Molecular Aggregates	117
Intrfacial Chemistry of Bilayer Lipid Membranes (BLM)	133
Liquid Membrane Bilayers as model Systems for Biomembranes-some Membrane Mimetic Experiments	179
Monte Carlo Calculations of the Properties of Water Between Two Phospholipid Layers	195
Calorimetric Study of Drug-model Membrane Interactions	203
Interaction of Surfactants with Biological Membranes	223
Effect of Surfactant on the Physical Properties of Liposomes	235
Binding and Transport of Fluorescent Probes in Surfactant Bilayers	245
Surface Specific Cleavage of Synthetic Chromogenic Phospholipid Vesicles	257
Kinetics and Extent of Aggregation and Fusion of Virus Particles with Lipid Vesicles and Cellular Membranes	265
Structural and kinetic Aspects of the Micellar Lamellar Phase Transformations in Phosphatidylcholine-cholate Mixtures	275
Aggregation of Saponins and bile Acids	287
Solution Properties of Uncommon Bile Salts	297

Some Properties of Nonionic Surfactant Vesicles and Their Component Mono and Di-Alkyl Nonionic Polyglycerol Surfactants	305
Surfactant Properties of Sodium Salts of N-Acylamino Acids and Peptides	319
Adsorption of Some biopolymers and Bioamphiphiles at an Oil-Water Interface vis-à-vis Their Emulsifying Efficiency	333
Kinetics of Lipid-Protein Interaction at an Oil-Water Interface	361
Protein Adsorption at Air-Water Interface Stabilized by Phospholipids Related to Pulmonary Surfactant: microbubbles as an ultrasonic Contrast Agent	377
Adsorption of Proteins at the Air-Water Interface; Role of Protein Conformation	391
Simultaneous Adsorption of Multivalent Metal Cation and Hydrophobic Ion to Phospholipid Vesicles	411
Monolayer Studies on Cholesterogenic Molecules at the Air-Water Interface	423
Mixed monomolecular Films of α – Poly γ – Methyl – L – Glutamate with 5, 16-doxyl- Stearic Acids at Water – Air Interface: Interactions between the spin Probes and the Polypeptide	435
Surface Behaviour of Dipalmitoyl Phosphatidic Acid, Dipalmitoyl Phosphatidyl Glycerol and Sphingosine Spread on Substrates with and without Dissolved Polysilicic Acid	445
The Interaction of Melittin with Calcium-Binding Proteins	453
Synthesis and Characterization of Positional Isomers of 1,2 Bis Heptacosadiynoyl sn-Glycero-3-Phosphocholine	467
Effect of the Degree of Ethoxylation of Surfactant on the Rheological Behaviour of Sodium Lauryl – Ether – Sulfate / Lecithin / Water Systems	477
Interfacial Interactions between Bile-Salt-Stimulated Human Milk Lipase and some Other milk Proteins	485
About the Contributors	495
Index	507