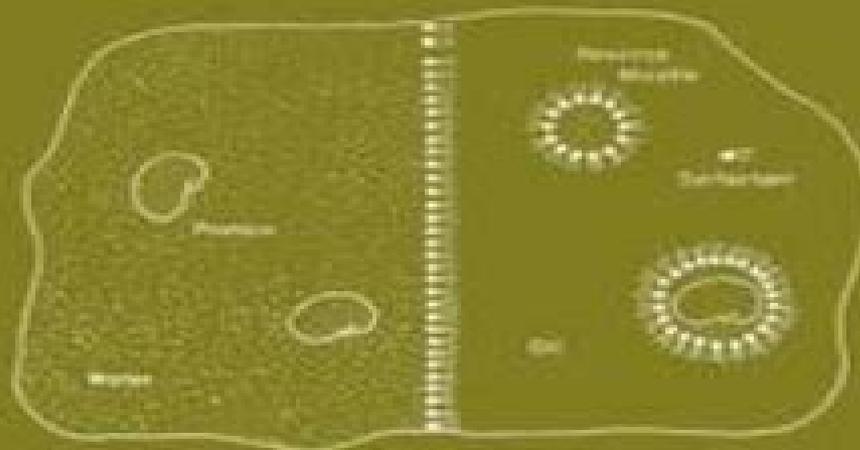


surfactant science series  
volume **33**

# SURFACTANT-BASED SEPARATION PROCESSES



edited by  
John F. Scamehorn  
Jeffrey H. Harwell

# Surfactant Based Separation Processes

**John F. Scamehorn**



## Surfactant Based Separation Processes:

**Surfactant-Based Separation Processes ...**, 1989 *Surfactant - Based Separation Processes* Scamehorn, 2020-11-25 Complete with bibliographic citations and illustrations this volume focuses on novel techniques and reviews established methods for surfactant based separation processes that can be widely applied in industry Describes new extraction techniques and introduces micellar enhanced ultrafiltration and admicellar chromatography discusses protein extraction using reverse micelles surfactant enhanced carbon regeneration and demonstrates new methods of turning waste streams containing dilute concentrations of valuable materials into product streams and examines such traditional surfactant based methods as froth flotation and foam fractionation

**Surfactant-based Separations** John F. Scamehorn, 2000 Because they are biodegradable and work well in low energy separations surfactants are an active area of interest in separations science This book covers surfactant based separations for the chemical and biochemical process industries and analytical chemistry It includes discussion of widely used processes and novel techniques such as surfactant enhanced ultrafiltration ground water and soil remediation surfactant absorption and flotation processes extraction processes recycling of paper and plastics using surfactant and analytical separations using surfactants

**Surfactants in Chemical/Process Engineering** Wasan, 1988-05-19 The first reference to link chemical engineering technologies and surfactant science in such breadth of focus Surfactants in Chemical Process Engineering features contributions by major authorities in chemical engineering whose applications have opened important new fields for surfactant use These applications include dispersion science separation processes oil recovery microemulsions and environmental control This volume discusses ultrafiltration processes flotation metal extractions and more examines surfactants in process streams for such industrial separations as micellar enhanced ultrafiltration adsorbent regeneration micellar extractions and oil water demulsification describes methodologies for separations of fatty acids metals minerals and impurities solvents and hydrocarbons for cost saving industrial and consumer product manufacture details techniques for developing and optimizing formulations for superior agricultural plant control or enhancement systems micro and macroemulsions and liquid surfactant membranes and looks closely at emulsion polymers in soil stabilizations protective coatings sealants adhesives textile processing paper finishing specialty concretes and tire manufacture Book jacket

**Recent Advances in Separation Techniques III** Norman N. Li, 1986 *Novel Applications of Ferrocene Based Surfactants* Craig Rosslee, 2003

**Phenomena in Mixed Surfactant Systems** John F. Scamehorn, 1986

**Analysis of Surfactants** Thomas M. Schmitt, 1992 Presents descriptions and practical examples of all techniques applied to the analysis of surfactants from the characterization of commercial compounds to their determination in formulated products and their detection at trace levels in the environment Literature is reviewed through 1990 with app

**Metal-ion Separation and Preconcentration** Andrew H. Bond, 1999 The collection discusses the role of separations in nuclear processing the influence and use of aqueous phases in separations extractant design and synthesis liquid liquid and

solid liquid distribution membrane separations and supercritical fluid extractions With a balance of fundamental and applied research the book covers the most significant recent advances in metal ion separations

**Chiral Separation Techniques** G. Subramanian,2001 This is a completely revised and updated sequel to A Practical Approach to Chiral Separations by Liquid Chromatography by the same editor The scope has been extended to further chiral separation techniques like electrophoresis membrane separations or biological assays More emphasis is put on preparative separation techniques From reviews of the previous edition A team of experts from academic and industrial laboratories throughout the world have compiled their findings and experience to make this book an exceptionally timely and unique contribution to the field

European Journal of Drug Metabolism The dense mass of information contained in this book will make it a valuable resource

Chemical Engineering Research this is a worthwhile addition to the expanding chiral literature and the book should be of value to those working in this field

The Analyst Journal of the Association of Official Analytical Chemists Association of Official Analytical Chemists,1989

**Thermodynamics, Phase Behavior, and Rheology of Surfactant Mixtures** Hongda Zhang,1998

**The Structure, Dynamics and Equilibrium Properties of Colloidal Systems** David Bloor,E. Wyn-Jones,1990-10-31 Proceedings of the NATO Advanced Study Institute on Properties of Colloidal Systems Aberystwyth Wales U K September 10 23 1989

Journal of Fermentation and Bioengineering ,1993

**Fluorinated Surfactants** Erik Kissa,1994 This volume in the Surfactant Science series provides coverage of fluorinated surfactants their basic science and related theories It highlights diverse aspects of fluorinated surfactants and systems including liquid vapour and liquid liquid interface solid liquid interface solutions of fluorinated surfactants and the structure of micelles and mesophases

**Chemical Abstracts Service Source Index** American Chemical Society. Chemical Abstracts Service,1907 A key source to journal and conference abbreviations in the sciences Although it focuses on chemistry other scientific and engineering disciplines are also well represented In addition to the abbreviation and full title each entry also contains publishing info title changes language and frequency of publication and libraries owning that title Over 130 000 entries representing more than 70 000 publications dating back to 1907 are included

**Cloud Point Extraction and Preconcentration Procedures for Organic and Related Pollutants of State Concern** Willie L. Hinze,1992

**Adsorption of Surfactants by a Chelating Resin :effects on Floatability and Metal Loading** Saskia Duyvesteyn,1997

**Partition Coefficients in Mixed Surfactant Systems** Tanja Mehling,2014 In this work the applicability of surfactants in novel separation processes is investigated The surfactant water phase behavior and micelle water partition coefficients were determined considering the influence of alcohols the pH value and surfactant mixtures Based on the experimental and predicted COSMO RS results the implementation of surfactant based systems is demonstrated

**Removal of Metal Ions from Dilute Aqueous Solutions by Ion Flotation** Zhendong Liu,2001

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web 75 100 was heißt das schwierigkeit ganz einfach zubereitung 5 min fertig in 10 min kalorien 174 kcal wieviele kalorien

darf ich essen gesund weil smarter tipp nährwerte diese waffeln haben nicht nur wenig kohlenhydrate sondern auch viel eiweiß im gepäck gut für starke muskeln

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