DESCRIPTION

This volume will be summarized on the basis of the topics of Ionic Liquids in the form of chapters and sections. It would be emphasized on the synthesis of ILs of different types, and stabilization of amphiphilic self-assemblies in conventional and newly developed ILs to reveal formulation, physicochemical properties, microstructures, internal dynamics, thermodynamics as well as new possible applications. It covers:

• Topics of ionic liquid assisted micelles and microemulsions in relation to their fundamental characteristics and theories

• Development bio-ionic liquids or greener, environment-friendly solvents, and manifold interesting and promising applications of ionic liquid based micelles and micremulsions

ABOUT THE AUTHOR

Bidyut K. Paul, PhD, is a Professor at Surface and Colloid Science Laboratory of Indian Statistical Institute, Kolkata, India. He obtained Ph. D degree in Science (Physical Chemistry) from Jadavpur University. He has published 42 original research papers, six review articles, four book chapters, and one edited book. He has served as a Member of organizing committee of various national and international conferences. Professor Paul is one of the Associate Editors of the Journal of Surface Science and Technology.
Satya P. Moulik, PhD, DSc, is Fellow and Honorary Scientist, Indian National Science Academy and Emeritus Professor of Chemistry at the Centre for Surface Science, Jadavpur University, Kolkata. He is the Editorial Advisor of the Journal of Surface Science and Technology, Associate Editor of Journal of Surfactants and Detergents, and the former President of the Indian Society for Surface Science and Technology. He has published 344 original research papers, 13 review articles, six book chapters and one edited book. Professor Moulik has been associated with different national and international conferences as Chairperson/Member of the organizing committees.