



Colloid Science: Principles, Methods and Applications

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Colloidal systems are important across a range of industries, such as the food, pharmaceutical, agrochemical, cosmetics, polymer, paint and oil industries, and form the basis of a wide range of products (eg cosmetics & toiletries, processed foodstuffs and photographic film). A detailed understanding of their formation, control and application is required in those industries, yet many new graduate or postgraduate chemists or chemical engineers have little or no direct experience of colloids.

Based on lectures given at the highly successful Bristol Colloid Centre Spring School, *Colloid Science: Principles, Methods and Applications* provides a thorough introduction to colloid science for industrial chemists, technologists and engineers. Lectures are collated and presented in a coherent and logical text on practical colloid science.

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Editorial Review

From the Back Cover

Reviews of the first edition

"the book of the course (Spring School in Colloid Science, Bristol University), is very welcome and I'm sure will be of immense benefit to those who need the basics of colloid science for their industrial or academic activities."

"Editor Terence Cosgrove has done an excellent job in balancing the scope and length of the various contributions... The book sets its smooth, readable style with an introduction to colloidal dispersions."

—Mike Garvey, University of Liverpool, *Chemistry and Industry* 2006

"Each of the chapters is lucid and insightful."

—*Journal of Colloid and Interface Science* 2005

Colloids have been the subject of scientific investigation for over 150 years, and yet the practical applications of colloid science show no signs of abating. Common in everyday life, colloids form the basis of a wide range of consumer, industrial and high technology products, from toothpaste to fire-fighting foam. Today there is a drive to use the tools of colloid science to microscopically engineer and synthesise new materials and develop biotechnology. This presents genuinely new and exciting challenges in physics, chemistry, engineering and biology.

Based on the highly successful Bristol Colloid Centre Spring School, *Colloid Science Second Edition* provides a thoroughly updated introduction to the principles and practical applications of colloid and surface science.

NEW! chapters on emulsions and surface forces.

Users Review

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