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DESCRIPTION

Current Opinion in Colloid and Interface Science (COCIS) is an international journal focused on the science related to interfaces and on the behavior of colloids and amphiphiles (surfactants, polar lipids, polymers and biopolymers) in solution.

The journal also encompasses molecular and nanoscopic aspects of materials science, industrial applications of colloids, and biologically-relevant systems. COCIS is not a primary journal; rather it seeks to guide the researcher through the maze of current published literature, and to highlight areas and papers which, in the opinion of the reviewers, are of special interest and significance.

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For each of the above areas, [Section Editors](#) have been appointed, who will commission expert scientists to write an informed and critical article on a topic within that general field. The article is not intended to be a comprehensive compilation of the recent relevant literature, but rather is a personal article by the contributor(s), which sets out to both inform the reader of the major developments in the area, and to identify those papers which in the opinion of the author(s), have made the greatest impact on the field. Normally, the period covered by the review will be the previous two to three years.

AUDIENCE

Chemical Engineers, Physical Chemists.

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Nanostructures:

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NMR:

B.F. Chmelka, University of California at Santa Barbara, Santa Barbara, California, USA

Polyelectrolytes:

L.L. Piculell, Lund University, Lund, Sweden

Current research deals mainly with polymer-surfactant interactions in the bulk and at surfaces, where he combines studies of carefully chosen idealized model systems with work on considerably more complex formulations that are relevant to industrial applications.

M. Santore, University of Massachusetts, Amherst, Massachusetts, USA

Reactivity in Colloidal Systems and At Interfaces

F. Nome, Universidade Federal de Santa Catarina, Florianopolis, SC, Brazil

L. Romsted, Rutgers University, Piscataway, New Jersey, USA

Rheology:

H. Rehage, Technische Universität Dortmund, Dortmund, Germany

N. Willenbacher, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany

Rheology of complex fluids and its relation to process engineering and microstructure Advanced rheological techniques: microrheology, elongational rheometry, rheo-optics formulation and stability of complex colloidal fluids adhesion of soft polymers

Self Assembly:

A. Blume, Martin-Luther-Universität Halle-Wittenberg, Halle/Saale, Germany

Membrane biophysics

J.B. Li, Chinese Academy of Sciences (CAS), Beijing, China

T. Zemb, Institut de Chimie Séparative de Marcoule, Bagnols sur Cèze Cedex, France

Self-assembly, colloidal thermodynamics, weak long-range interactions, and recycling chemistry, mainly as physical chemistry and chemical engineering.

Surface Analysis Techniques:

L. Liggieri, National Research Council of Italy (CNR), Genova, Italy

R. Miller, Max Planck Institute (MPI) of Colloids and Interfaces, Potsdam, Germany

Surfactants:

P.D.I. Fletcher, University of Hull, Hull, UK

Surfactants, surfaces and colloids fundamentals and applications

M.P. Krafft, Université de Strasbourg, Strasbourg Cedex 2, France

R. Strey, Universität zu Köln, Köln, Germany

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Z. Adamczyk, Polish Academy of Sciences, Krakow, Poland

N. Dan, Drexel University, Philadelphia, Pennsylvania, USA

research focuses on modeling a broad range of soft condensed matter systems, including diblock copolymer self assembly, lipid/protein and lipid/nucleic acid complexes, cell-substrate interactions, and drug delivery systems including colloidosomes, polymersomes, and nanostructured lipid carriers.

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D. Platikanov, University of Sofia, Sofia, Bulgaria

Wetting and Spreading:

H.-J. Butt, Max Planck Institute (MPI) for Polymer Research, Mainz, Germany

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