



CURRENT OPINION IN COLLOID & INTERFACE SCIENCE

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

| | | |
|---|---------------------------------|------------|
| ● | Description | p.1 |
| ● | Audience | p.1 |
| ● | Impact Factor | p.1 |
| ● | Abstracting and Indexing | p.2 |
| ● | Editorial Board | p.2 |
| ● | Guide for Authors | p.4 |



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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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AUDIENCE

Chemical Engineers, Physical Chemists.

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Professor Zauscher's research is in (bio)surface and interface science, where his research is broadly focused on fabrication, manipulation and characterization of surface-confined biomolecular and polymeric micro- and nanostructures.

Colloidal Dispersions:

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K. Velikov, Unilever R&D Vlaardingen, Vlaardingen, Netherlands

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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

Theory and Simulation:

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.

Thin Films and Foams:

D. Exerowa, Bulgarian Academy of Sciences, Sofia, Bulgaria

D. Platikanov, University of Sofia, Sofia, Bulgaria

Wetting and Spreading:

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

experimental physics of interfaces

V.M. Starov, Loughborough University, Loughborough, UK

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