DESCRIPTION

Current Opinion in Colloid and Interface Science (COCIS) is an International Journal focused on molecular and nanoscopic aspects of colloidal systems and interfaces encountered in materials science, biologically-relevant systems, energy and environmental technologies, and industrial applications. COCIS is not a primary journal; rather, it seeks to guide the researcher through the maze of recently published literature, critically analyses the state of the art, identifies bottlenecks, unsolved issues and proposes future developments. The Journal highlights areas and papers which, in the opinion of the Editors and the Section Editors, are of special interest and significance.

The scope of COCIS is divided in five Sections that include subtopics as listed below: Colloid components and colloidal materials (surfactants, polymers and polyelectrolytes, emulsions and microemulsions, self-assembly) Biological systems, medicine and health (biological colloids and interfaces, drug delivery, food colloids, cosmetics) Films and charged systems (electrokinetics, thin liquid films and foams, wetting and spreading) Colloidal systems for energy and environmental technologies (energy and energy storage, environmental technologies) Advanced methodologies (microscopy methods, NMR, rheology, surface analysis techniques, surface forces, x-ray, light and neutron scattering, theory and simulation)

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Self-assembled structure of surfactant, Supramolecular gel
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Junbai Li, Institute of Chemistry Chinese Academy of Sciences, Beijing, China
Molecular assemblies of biomimetic systems, Self-assembly, Biointerfaces, Design and synthesis of bioinspired materials with various nanostructures

Surfactants
Romain Bordes, Chalmers University of Technology, Göteborg, Sweden
He currently focuses his research on emulsions, synthetic and natural colloids, while he keeps working on the development of novel surfactant systems
Rico Tabor, Monash University School of Chemistry, Clayton, Victoria, Australia
Colloid science, Surfactants, Nanomaterials, Encapsulation, Adsorption kinetics, Thin liquid films
Yilin Wang, Chinese Academy of Sciences, Beijing, China
Her research focuses on development and application of novel surfactants, and interactions and phase behaviors of surfactants with polymers and biomacromolecules.

**Section Editors: 2. BIOLOGICAL SYSTEMS, MEDICINE AND HEALTH**

**Biological Colloids and Interfaces**

**Martin Malmsten**, University of Copenhagen, Department of Pharmacy, København, Denmark  
Antimicrobial peptides, Microgels, Nanoparticles, Drug delivery,  
**Stefan Zauscher**, Duke University, Durham, North Carolina, United States of America

**Cosmetics**

**Samiul Amin**, University of Miami, Department of Chemical, Environmental and Materials Engineering, Coral Gables, Florida, United States of America  
**Gerardo Palazzo**, University of Bari, Department of Chemistry, Bari, Italy  
colloids, surfactant science, formulation science, physical chemistry, analytical chemistry

**Drug Delivery**

**Julie Champion**, Georgia Institute of Technology School of Chemical and Biomolecular Engineering, Atlanta, Georgia, United States of America  
Protein biomaterials, protein drug delivery

**Food Colloids**

**Martin Leser**, Bretigny s/Morrens, Switzerland  
**Brent Murray**, University of Leeds, Leeds, United Kingdom  
colloids; interfaces  
**Stefan Salentinig**, University of Fribourg, Department of Chemistry, Fribourg, Switzerland  
Food Colloids, Scattering Methods, Antimicrobial Nanomaterials, Self-assembly, Biopolymers, Biosurfactants  
**Krassimir Velikov**, Unilever Innovation Vlaardingen, Vlaardingen, Netherlands

**Section Editors: 3. FILMS AND CHARGED SYSTEMS**

**Electrokinetics**

**Martin Z. Bazant**, Massachusetts Institute of Technology, Cambridge, Massachusetts, United States of America  
**Carsten Werner**, TU Dresden, Dresden, Germany  
biomaterials, recapitulating functionalities of living matter, engineered polymer materials, hemocompatible interfaces, biointerfacial phenomena, bioactive polymer matrices, regenerative therapies

**Thin Liquid Films and Foams**

**Sibani Lisa Biswal**, Rice University, Houston, Texas, United States of America  
colloids, foams, interfacial phenomena, rheology, mechanics  
**Raymond Dagastine**, The University of Melbourne, Faculty of Engineering and Information Technology, Melbourne, Australia  
**Anne-Laure Fameau**, French National Institute for Agricultural Research INRAE, Paris, France  
Foam, Emulsion, Surfactant, Lipids, Small Angle Scattering, protein

**Wetting and Spreading**

**Tatiana Gambaryan-Roisman**, Technical University of Darmstadt, Darmstadt, Germany  
Interfacial transport and complex wetting phenomena. Research interests include nanoscale mechanisms of wetting; wetting coupled with phase change; wetting of deformable, soluble and porous substrates; drop spreading and evaporation.  
**Victor Starov**, Loughborough University, Loughborough, United Kingdom

**Section Editors: 4. COLLOIDAL SYSTEMS FOR ENERGY AND ENVIRONMENTAL TECHNOLOGIES**

**Energy Conversion and Storage (Catalysis)**

**Juan Luis Delgado**, Polymat Basque Center for Macromolecular Design, Donostia-San Sebastian, Spain  
Organic Solar Cells, Perovskite Solar Cells, Fullerenes, Photoinduced Electron Transfer, Dye Sensitized Solar Cells

**Environmental Technologies**

**Julien Gigault**, Laval University, Québec, Quebec, Canada  
Anthropogenic nanoparticles, Characterization, Environmental science, Environmental colloids and particles
Section Editors: 5. ADVANCED METHODOLOGIES

NMR
Bradley Chmelka, University of California Santa Barbara, Santa Barbara, California, United States of America
Anne Lesage, University of Lyon, Lyon, France
Spectroscopy

Rheology
Ruth Cardinaels, KU Leuven, Leuven, Belgium
rheology, soft matter, polymer technology, multi-phase flows, additive manufacturing
Yujun Feng, Sichuan University, Chengdu, Sichuan, China
Colloid Chemistry; Polymer Science

Surface Analysis Techniques
Libero Liggieri, Institute for Condensed Materials Chemistry and Energy Technology National Research Council
Genoa Branch, Genova, Italy
Dynamics of surfactant layers at liquid interfaces, Dynamic tensiometry, Interfacial rheology, Nanoparticles at liquid interfaces, Emulsions and foams, Adsorption and transport of surface-active species.
Reinhard Miller, TU Darmstadt, Department of Physics, Darmstadt, Germany
Fluid dynamics, Foams and Emulsions, Surfactants, Proteins and their Mixtures, Interfacial rheology, Dynamics of liquid interfacial layers

Surface Forces
William Ducker, Virginia Tech, Blacksburg, Virginia, United States of America

Theory and Simulation
Zbigniew Adamczyk, Jerzy Haber Institute of Catalysis and Surface Chemistry Polish Academy of Sciences, Krakow, Poland
Ramón Castañeda-Priego, University of Guanajuato, Guanajuato, Mexico
Thermodynamics, Physics, Soft Matter Physics, Transport phenomena, Phase transitions, Nonequilibrium Physics
Francisca Guzmán-Lastra, University of Chile, Santiago, Chile
Microswimmers, low Reynolds number, Active Matter, Fluids

X-Ray, Light and Neutron Scattering
Jan Skov Pedersen, Aarhus University, Department of Chemistry, Aarhus, Denmark
Physical Chemistry, Soft Matter, Polymer Science, Protein Biophysics, Scattering theory
Ann Terry, Lund University, Lund, Sweden

Section Editors: 6. HOT TOPICS

Special Topics
Marie Pierre Krafft, University of Strasbourg, Strasbourg, France
Fluorine Chemistry, Self-assembly, multicompartmented micro- and nano-scale objects, with applications in biomedical sciences
Thomas Zemb, Institute of Separative Chemistry Marcoule Laboratory of Sonochemistry in Complex Fluids, Bagnols sur Ceze, France
GUIDE FOR AUTHORS

INTRODUCTION

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Current Opinion in Colloid and Interface Science (COCIS) is an international Journal focussed on the major areas of colloid/interface/polymer science. The journal also encompasses 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.

Topics covered include: Theory, Microscopy Methods, NMR, X-ray and Neutron Scattering, Surface Analysis Techniques, Emulsions and Microemulsions, Thin Liquid Films and Foams, Polyelectrolytes, Surfactants, Food Colloids, Biological Colloids and Interfaces, Colloidal Dispersions, Self Assembly, Drug Delivery, Electrokinetics, Rheology, Particle Systems and Wetting and Spreading.

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. The review should be approximately 5-10 printed journal pages, incl. figures, tables and references (for your reference one full text journal page is ca. 1,000 words). You should highlight and discuss all interesting developments in your subject focusing on the review period, referring to the most important, relevant published articles. In addition to describing recent trends, you are encouraged to give your subjective opinion of the topics discussed wherever appropriate. We encourage you to include a maximum of six figures, photographs and/or tables with your review.

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