COLLOIDS AND SURFACES B: BIOINTERFACES

An International Journal Devoted to Fundamental and Applied Research on Colloid and Interfacial Phenomena in Relation to Systems of Biological Origin

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

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

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DESCRIPTION

Colloids and Surfaces B: Biointerfaces is an international journal devoted to fundamental and applied research on colloid and interfacial phenomena in relation to systems of biological origin, having particular relevance to the medical, pharmaceutical, biotechnological, food and cosmetic fields.

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•Interactions of biomolecules (proteins, enzymes, peptides, polysaccharides, DNA) at the solid-solution and air-solution interfaces;
•Surface/interfacial interactions of tissue and blood; Biomaterials development and interfacial properties;
•Drug delivery/controlled release

Henk Busscher
•Physico-chemical mechanisms of microbial adhesion, biofilm formation and tissue cell interaction to surfaces
•Microbial adhesion and biofilm formation
•Role of surface characteristics, surface modification and protein adsorption on microbial adhesion and biofilm formation
•Physico-chemical mechanisms providing biolubrication to surfaces

Dganit Danino
•Self-assembly and molecular assemblies (proteins, polymers, peptides, surfactants)
•Structure of biological fluids
•Drug delivery vehicles at nano and meso scales
•1D structures - fibrils, ribbons, nanotubes
•Milk proteins

Li-Qun Wang
•Surface modification including structured surfaces;
•Biocompatible materials;
•Anti-fouling materials;

•Bio-detection/bio-imaging materials;
•Interactions of biomolecules and cells at interfaces.

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AUDIENCE

Colloid and Surface Chemists, Chemical Engineers, (Bio) Pharmaceutical, Cosmetic and Food Chemists, Physical Chemists, Polymer Chemists, Biological and Bioengineers, Organic Chemists, Microbiologists, Medicinal Chemists.

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INTRODUCTION

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