



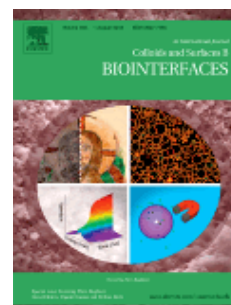
# COLLOIDS AND SURFACES B: BIOINTERFACES

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

## AUTHOR INFORMATION PACK

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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.

Submissions that: (1) deal solely with biological phenomena and do not describe the physico-chemical or colloid-chemical background and/or mechanism of the phenomena, and (2) deal solely with colloid/interfacial phenomena and do not have appropriate biological content or relevance, are outside the scope of the journal and will not be considered for publication.

The journal publishes regular research papers, reviews, short communications and invited perspective articles, called BioInterface Perspectives. The BioInterface Perspective provide researchers the opportunity to review their own work, as well as provide insight into the work of others that inspired and influenced the author. Regular articles should have a maximum total length of 6,000 words. In addition, a (combined) maximum of 8 normal-sized figures and/or tables is allowed (so for instance 3 tables and 5 figures). For multiple-panel figures each set of two panels equates to one figure. Short communications should not exceed half of the above. It is required to give on the article cover page a short statistical summary of the article listing the total number of words and tables/figures.

### 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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- 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

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

#### **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

Submissions that: (1) deal solely with biological phenomena and do not describe the physico-chemical or colloid-chemical background and/or mechanism of the phenomena, and (2) deal solely with colloid/interfacial phenomena and do not have appropriate biological content or relevance, are outside the scope of the journal and will not be considered for publication.

The journal publishes regular research papers, reviews, invited perspective articles, called BioInterface Perspectives, and Protocols (see below). The BioInterface Perspective provide researchers the opportunity to review their own work, as well as provide insight into the work of others that inspired and influenced the author. Regular articles should have a maximum total length of 6,000 words. In addition, a (combined) maximum of 8 normal-sized figures and/or tables is allowed (so for instance 3 tables and 5 figures). For multiple-panel figures each set of two panels equates to one figure. Short communications should not exceed half of the above. It is required to give on the article

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R.D. Thomas, in E. Buncl and J.R. Jones (Eds.), *Isotopes in the Physical and Biomedical Sciences*, Vol. 2, Elsevier, Amsterdam, 1991, Chapter 7.

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A.G. Marshall, in P.G. Kistemaker and N.M.M. Nibbering (Eds.), *Advances in Mass Spectrometry*, Proc. 12th International Mass Spectrometry Conference, Amsterdam, 26-30 August 1991, Elsevier, Amsterdam, 1992, p. 37.

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