



Mechanisms and Kinetics of Interactions of Biomolecules at Interfaces

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Message from the Guest Editors

The adsorption of biocolloids, particularly proteins, at solid/liquid interfaces is important both in terms of their industrial preparation, purification or storage. Especially important are the control of protein and cell separation, the production of biosensors and biochips, the transport of medicines, as well as the bio-integration of materials used for the production of medical implants. Although deposited biomolecules play a crucial role in many processes, the mechanisms and kinetics of the immobilization processes are poorly understood. There is a lack of systematic investigations of the relationship between the deposition conditions and resulting biomolecules' coverage, local distribution, the orientation of adsorbed particles, and their bioactivity.

This Special Issue is devoted to the most recent research focused on the determination of the mechanisms of biomolecules (proteins, peptides, biocompatible macroions) at solid substrates. Potential topics also include the application of new techniques in biomolecules deposition research and the analysis of biomolecules' interactions with cells, viruses, etc.





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Message from the Editor-in-Chief

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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