



Amphiphilic Compounds and Biomolecules: A Platform for New Challenges

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Message from the Guest Editors

Dear Colleagues,

Amphiphiles includes synthetic surfactants and amphiphilic copolymers or peptides. The interaction of amphiphiles with biomolecules as proteins, peptides, nucleic acids, lipids, and sugars has represented a flourishing field of research including surface biophysics, biochemistry, and drug delivery. Despite the never-ending interest in some "traditional" issues (e.g., surfactants interactions with biomembranes), new aspects relating to this subject have been emerging (e.g., stabilizing effect of surfactants on biomolecules). The purpose of this Special Issue is to collect the recent findings to support the formation of a platform for new challenges in this field.

Topics include the investigation of the interaction of amphiphilic compounds at the biointerfaces and biomembrane, the effect of amphiphiles on biomacromolecules self-assembling, the chemical-physical characterization of amphiphile-based or mixed colloidal systems, the development of new amphiphilic compounds, and amphiphilic compounds as drug carriers for therapeutic proteins or peptides.

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