

Special Issue

Interactions Between Nanoparticles and Biomolecules

Message from the Guest Editor

Recently, nanoparticles have been attracting attention from various fields, such as biomedical, pharmaceutical, chemical, and environmental engineering. For biomedical and pharmaceutical areas, the designed nanoparticles are often referred to as nanomedicines. Widely reported nanomedicines include liposomes, solid lipid nanoparticles, nanomicelles, nanocrystals and metal-organic frameworks. It has been highlighted that these nanomedicines have opened up new avenues for major diseases therapy.

However, compared to the burst of number of relevant publications, the actual clinical translation of nanomedicines is somehow limited. We argue that the limited understanding of the interaction between nanoparticles and biomolecules is one of the major hurdles for clinical translation.

In this Special Issue, we welcome contributions worldwide to address the above issues of designed or non-designed interaction between nanoparticle and biomolecules, so as to boost the gathering of knowledge. Emphases will be put on nanoparticles for biomedical and pharmaceutical uses.

We are looking forward to receiving your exciting work!

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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