



Advanced Colloidal Systems for Multimodal Drug Delivery

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Deadline for manuscript
submissions:

closed (10 May 2022)

Message from the Guest Editors

Dear Colleagues,

As you are aware, the application of biocompatible materials noticeably modulates the physicochemical, biopharmaceutical, and pharmacological properties of several active compounds.

In particular, the nanoencapsulation/complexation of drugs using colloidal delivery systems represents a suitable approach to increase their localization in specific tissues/organs through passive and active targeting strategies, decreasing their side effects.

Moreover, multimodal drug delivery is a key factor to avoid drug resistance phenomena and off-target effects, which normally jeopardize the effectiveness of pharmacological therapies. Among these, the on-demand release of actives by means of several stimuli such as light, ultrasounds, and the magnetic field is an attractive route to selectively act in the site of action.

The aim of this Special Issue is to describe the advancements concerning the development of innovative colloidal formulations for biomedical and pharmaceutical applications.

All researchers working in the field are cordially invited to contribute. Original research papers, brief communication reports, as well as review articles, are all welcome.





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