

Special Issue

Bioactive Nanomaterials: What Do We Know and What Is Yet to Come in the Pharmaceutical Field?

Message from the Guest Editors

This Special Issue wishes to improve our knowledge of bioactive nanomaterials. Numerous problems arise during the treatment of various diseases; therefore, the application of bioactive materials requires further development. Specific knowledge of the interaction of bioactive nanomaterials and cells, tissues in vivo, proteins, bacteria, viruses and other important biomolecules is still missing. Application of certain nanoparticles or bioactive surfaces can trigger whole sequences of human biomolecules with unpredictable outcomes for patients. This issue will be focused on a multidisciplinary approach to the topic of bioactive materials. In this Special Issue, we aim to discuss the physical, chemical and biomedical aspects of bioactive nanoparticles and surfaces acting mainly against tumors, microbes, viruses as well as implants. The main topics include the development of antitumor, antimicrobial or antiviral bioactive nanoparticles and the mechanisms of interactions between bioactive surfaces and implants/catheters. We look forward to receiving your contributions.

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