

Special Issue

Biopolymer-Based Nanosystem for Drug Delivery, 2nd Edition

Message from the Guest Editors

Nowadays, the priority is to develop new vaccines. Recently, nanoformulated vaccines saved the lives of hundreds millions of people during the COVID pandemic, a task that remains ongoing. Researchers must find new appropriate biopolymers that are biodegradable, biocompatible, non-immunogenic, improve the bioavailability of active cargos, and protect the active ingredient in the bloodstream. Depending on the formulation involved, the nature of the release of the active ingredient is a key factor. The main value is the precise targetting of the “cargo” to the cancer cells and the avoidance of healthy cells. This goal can be achieved by developing nanoformulation systems. The economic strength of this subdivision within the pharmaceutical industry is well known. However, R&D innovation in the biotech sector requires more time and effort compared the required levels in other fields. This explains the necessity of considering the conclusions of a professional risk analysis. Scientists are encouraged to send relevant research for submission in this Special Issue.

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