



Advanced Nanotechnology in Bioencapsulation

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In nanomedicine, the administration of a diagnostic or therapeutic agent always raises crucial concerns regarding safety and efficacy. Often, biomimetic techniques or the use of carriers allow to preserve the system integrity and to deliver it more effectively. Moreover, additional features are granted to such complex systems. In this framework, nanotechnology offers numerous possibilities both in bioencapsulation processes and in the composite morphological/functional characterization.

This Special Issue focuses on the latest developments in the bioencapsulation topic, with particular attention to nanotechnology processes or novel nanomaterials exploited in biomedical applications, such as:

- Cell-based therapy
- Drug and gene delivery
- Nanoparticles-based theranostic
- Tissue engineering
- Vaccines development
- Biomarkers identification

