



Organic-Inorganic Nanocomposites as Delivery Systems of Therapeutic Agents for Regenerative Medicine

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Message from the Guest Editors

Dear Colleagues,

Organic–inorganic nanocomposites are attracting increasing attention for regenerative medicine. These materials combine the properties of both the organic phase (natural polymers, proteins, etc.) and inorganic phase (bioactive glasses, bioceramics, silica nanoparticles, etc.), and consequently exhibit a unique set of physical, chemical, mechanical and biological properties that are otherwise not found in a single constituent material. Additionally, organic–inorganic nanocomposites can act as multifunctional smart delivery platforms of therapeutic agents (including drugs and biologically active ions). As such, these nanocomposite materials can combine the benefits of different nanoscale structural components to synergize the outcome of therapeutic delivery for hard and soft tissue regenerative applications.

The aim of this Special Issue is to cover the cutting-edge research activities and recent research advancements in the area of organic–inorganic nanocomposites that enable smart delivery of therapeutic agents for regenerative medicine. We invite articles on all aspects related to this topic.





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