



Bionanocomposites

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Message from the Guest Editor

Dear Colleagues,

Bionanocomposites can be defined as a group of materials consisting of a biological component associated with another counterpart, which can be of diverse chemical nature, being either organic, including biomolecules, or inorganic. What defines *bionanocomposites* as a group is the idea of using biomolecules to integrate, i.e., make use of, their molecular recognition properties to direct assembly of functional structures and/or drive interactions with living systems. This is particularly relevant for solving problems in a biomedical context and is based on an interdisciplinary approach based on chemistry and supramolecular self-assembly, nanotechnology, and regenerative medicine. This Special Issue aims to illustrate the diversity of approaches, particularly in the choice of biomolecules and the nature of the associated counterpart—biomolecules, polymers, inorganic nanoparticles—defining bionanocomposites with their great modularity and offering an almost infinite number of accessible functions.

Dr. Carole Aimé
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