Special Issue

Assembly and Biological Applications of Biopolymers

Message from the Guest Editor

Through rational design and ingenious construction, biopolymers are modularly assembled into a multifunctional integrated system in a “bottom-up” mode. There have been many advancements showing the broad biological applications of biopolymer-based assembly systems, including biosensing, imaging, tumor treatment, immunomodulation, and many other application scenarios, thus promoting the development of nanomedicine and personalized medicine. This Special Issue on “Assembly and Biological Applications of Biopolymers” seeks high-quality works focusing on the latest novel advances in biopolymer assembly and functional materials for biological applications. Topics include, but are not limited to:

- Biopolymer functional materials and their biological application;
- Controlled assembly of biopolymer-based systems and quantitative structure–activity relationships;
- “Engineering up” nanotechnology utilizing biopolymers as construction materials;
- Biopolymer-based drug development, clinical transformation and computational simulation.

Guest Editor

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Deadline for manuscript submissions

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Editor-in-Chief

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