



Advanced Nanoscience of Biomaterials for Biomedical Applications

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Message from the Guest Editors

Over the past few decades, various biomaterials including organic molecules, synthetic polymers, metals, ceramics, proteins, and cell-derived materials have been developed for the delivery of bioactive molecules, surface coating of medical device, sensors for biomedical applications, engineered platform of cell engineering, and 3D bioprintings. They were often designed and employed for the improvement of biocompatibility and biological functions in medical sciences.

In many cases, those biomaterials possess functional properties such as control of biological response, self-assembled structure, effective sensing ability, and smart responses to chemical and physical stimuli due to their advanced nanostructures.

Therefore, in this Special Issue titled “Advanced nanoscience of biomaterials for biomedical applications,” we encourage researchers to present the most recent studies regarding various developments of nanotechnologies in the design, fabrication, and application of biomaterials. The manuscripts may include research articles and reviews for all nanoscience areas of biomaterials.





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Message from the Editor-in-Chief

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