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Advanced Biomaterials and Biofabrication

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Message from the Guest Editors

Dear Colleagues,

A variety of biomaterials, including hydrogels, bioceramics, and polypeptides, have been widely used in biomedical applications, such as bioadhesives, bioelectronics, medical implants, organ-on-chips, and drug delivery systems. The design and fabrication of predictive structures and functions are essential for the development of advanced biomaterials. It is most effective to realize the targeted composition-structure-function relationship using biofabrication technologies, advanced micropatterning, electrospinning, and 3D bioprinting. In light of this, there is a high demand for versatile biomaterials as well as novel biofabrication technologies, which in turn leads to new opportunities in bio-design, biomimetics, and regenerative applications.

In this perspective, this Special Issue focuses on innovative biomaterials and biofabrication technologies for biomedical applications. Some relevant topics include, but are not limited to:

- The development of novel biomaterials for biomedical applications;
- Innovation in 3D bioprinting and other biofabrication technologies;
- Applications of biomaterials and biofabrication.













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Editor-in-Chief

Message from the Editor-in-Chief

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