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Recent Advances and Trends in Smart Biomaterials, Nanobiomaterials and Biodegradable Materials

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Deadline for manuscript submissions: closed (20 February 2023)



Message from the Guest Editors

Dear Colleagues,

Recent advances in biomaterial have attracted growing attention. This includes but is not limited to smart biomaterials that can sense and respond to environmental changes, nanobiomaterials that adopt nanotechnology for biomedical applications, and biodegradable materials with a focus on tunable degradability in biological conditions. The development of such biomaterials requires innovative material chemistry, new stimuli mechanisms, advanced engineering technologies, and a dynamic biointerface design.

Given the latest advances in the field, we invite you to submit your work to this Special Issue. Full research papers, comprehensive reviews, and communications are welcomed on, but not limited to, the following topics: Natural and synthetic biomaterial: preparation, selfassembly behavior and applications; Smart biomaterial of new stimuli-response mechanisms, intriguing properties, and promising applications in biomedical engineering, catalysis, energy storage, and others; Nanobiomaterial with a focus on their mechanics, chemistries, surface, etc. Manuscripts on biodegradable materials synthesis and application are also encouraged.







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Message from the Editor-in-Chief

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