



Special Issue Reprint

Medical Application of Functional Biomaterials

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This reprint offers a comprehensive overview of the recent progress in the field of functional biomaterials applied to medicine. The collected articles address critical aspects of biocompatibility, the immune response, and material performance in the context of biomedical devices and implants. Special attention is given to interdisciplinary approaches that integrate materials science, biology, and clinical insights to support the safe and effective use of advanced biomaterials. Contributions cover a broad spectrum of topics, including innovations in dental implant materials, nanoparticle-based therapies, and the medical utilization of emerging biomaterials. Together, these studies underscore the challenges and solutions involved in assessing the biological behavior of functional materials and their translation into real-world clinical applications. This collection serves as a valuable resource for professionals and researchers engaged in the designing, testing, and implementation of next-generation medical biomaterials.

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