



Biopolymers and Biohybrids for Human Health

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Message from the Guest Editor

Dear Colleagues,

Biopolymers are polymeric biomolecules that are essential for creating and sustaining life. Proteins, polysaccharides, glycopolymers, and polynucleotides are examples of biopolymer constituents of biological cells. Biopolymers are widely used in tissue engineering, pharmaceuticals, drug encapsulation and delivery, etc. Hybridization of biopolymers with synthetic polymers and inorganics creates biohybrids with exquisite, dynamic, stimuli-responsive properties. Shaping of biopolymers and biohybrids into highly engineered 2D and 3D architectures using different processing techniques enhances functionality and smart capabilities. This Special Issue focuses on biopolymer and biohybrid materials for advanced applications in drug delivery, pharmaceuticals, wound healing, food, cosmetics, personal care, wearables, sensors, and other areas related to human health. We invite submissions of original research manuscripts reporting advances in functionalization and shaping of biopolymers and biohybrids with chemical, physical, or biochemical methods to create high-performance advanced materials for diverse applications in human health.

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Guest Editor



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Message from the Editor-in-Chief

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