



materials



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Collagens, Collagen-Based and Collagen-Mimetic Biomaterials: Preparation, Characterization and Applications

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Deadline for manuscript submissions:
closed (20 May 2022)

Message from the Guest Editor

Dear Colleagues,

Collagens are the major proteins in the extracellular matrix (ECM) and comprise almost 30% of the total cell proteins in mammals. The superfamily of collagen in vertebrates includes over 50 collagens and collagen-like proteins that play a key role in tissue homeostasis, and they have also been implicated in a wide range of pathological conditions. The numerous biomaterials, collagen-based, and collagen-mimetic biomaterials are of great interest, because they present unique properties and have a wide range of applications in the fields of biomaterials, tissue engineering, and biomedicine, including implants, scaffolds, hydrogels, and coatings. The present Special Issue welcomes contributions in the form of full articles, short communications, or review articles on topics related to the design, synthesis, characterization, surface modification, and processing of collagen-based and collagen-mimetic biomaterials for use in different biomedical applications.

Dr. Andreas Stylianou
Guest Editor



mdpi.com/si/32371

Special Issue



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Message from the Editor-in-Chief

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