

Special Issue

Application of Chitosan and Hyaluronan in Medicine

Message from the Guest Editor

This Special Issue aims to publish papers concerning applications of chitosan and hyaluronan in medicine. Chitosan and its derivatives have been widely used in cosmetics and in the field of medicine, including biomaterials for tissue-engineered scaffolds and tissue repair, wound dressings, and biochemical separation systems. Hyaluronan, another β -polymer, is one of the major structural components of the extracellular matrix in vertebrates. HA is widely distributed in both prokaryotic and eukaryotic cells. Adult humans contain about 12–15 g of HA, most of which occurs in skin, vitreous body of the eye, umbilical cord, synovial fluid of articular joints. The HA biopolymer provides a wide range of pharmacological activities, including anti-inflammatory, wound healing and tissue regenerating, immunomodulatory, anti-cancer, anti-proliferative, anti-diabetic, anti-aging, skin repairing, and cosmetic properties. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: osteoarthritis, skin wound healing, tissue engineering, gene delivery, ophthalmology, dentistry, cancer.

Guest Editor

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