

Special Issue

Hyaluronic Acid for Medical Applications

Message from the Guest Editors

Hyaluronic acid (HA) is a glycosaminoglycan (GAG) that is structurally homogeneous between different species; therefore, it is considered a bio-renewable resource for multiple biomedical applications. Its peculiar physical and mechanical properties as well as its high biocompatibility and key role in different biological processes such as cell signaling and wound repair make it an ideal viscoelastic material for ophthalmic and orthopedic surgery, soft tissue augmentation, facial rejuvenation, and drug delivery. Recently, the high potential linked to this biopolymer has been widely recognized and has increased interest for its physico-chemical but also biological characterization through in vivo, but above all, in vitro innovative methods. In this Special Issue, original research articles and reviews are welcome. This Special Issue aims to collect the most recent scientific discoveries on the formulation and cross-linking process with chemical agents and on the physico-chemical and biological characterization of HA-based biomaterials to improve their applicability in the biomedical field. We look forward to receiving your contributions.

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