



Hyaluronic Acid for Biomedical Applications

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Message from the Guest Editors

Dear Colleagues,
Hyaluronic acid (HA), a non-immunogenic polysaccharide, is found in most connective tissues throughout the body and clinically used for over three decades. The unique viscoelastic behavior and hydrodynamic property of this ubiquitous macromolecule contribute to its extensive use as a biomaterial. HA can be chemically modified using pendant reactive groups to make it more useful or to transform it into the appropriate physical forms such as hydrogels, fibers, meshes, sponges, and nanoparticulate fluids for target applications.

This special issue will cover the recent advances in HA-based materials rationally designed for biomedical applications including but not limited to drug delivery, tissue engineering, and cosmetic uses.

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Keywords

- hyaluronan
- biomaterial
- hydrogel
- drug delivery system
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- regenerative medicine





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