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Smart Hydrogels in Biomedical Applications

Guest Editors:

Prof. Dr. Nicholas Dunne

Dr. Garrett McGuinness

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Deadline for manuscript
submissions:

closed (20 October 2019)

Message from the Guest Editors

We would like to invite you to contribute a short communication, full article or review to this Special Issue, entitled “Smart Hydrogels in Biomedical Applications”. All classifications of smart hydrogel-based systems, ranging from natural to synthetic and semi-synthetic, are very welcome. Responsiveness to different stimuli will be covered, including temperature, pH, light, ultrasound, etc., as well dual-responsive hydrogels. All features of the developmental process will be considered in this Special Issue, starting from the hydrogel synthesis and characterisation up to the engineering aspects associated with the fabrication of three-dimensional (3D) scaffolds for gene therapy applications or drug delivery systems that promote the repair and restoration of hard or soft tissue as consequence of disease or trauma.

We look forward to receiving your contribution before 31 March 2019, but extensions may be granted upon request.



mdpi.com/si/17571

Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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