

Special Issue

Rational Design and Application of Functional Hydrogels

Message from the Guest Editors

The goal of this Special Issue is to focus attention on the rational design and functionalization of hydrogels. We invite to contributions of reviews and/or original papers reporting new results about the building blocks design, network design and functional design of hydrogels as well as the applications in the field including cell culture, tissue engineering, interfacial adhesion, flexible electronics and so on. Hydrogels formed using various building blocks such as polymers, peptides, proteins, DNA/RNA and composites of them were all acceptable. Manuscripts that address recent advances in the design principle of hydrogels with special properties and approaches to endow hydrogels with new functions are especially welcome.

Guest Editors

Dr. Bin Xue

Department of Biophysics, School of Physics, Nanjing University, Nanjing 210093, China

Prof. Dr. Yi Cao

School of Physics, Nanjing University, Nanjing 210093, China

Deadline for manuscript submissions

closed (25 May 2025)



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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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