

Special Issue

Advanced Gels for Drug Delivery Systems Based on Sustainable Development Goals (SDGs)

Message from the Guest Editors

Conventional gels are the classic pharmaceutical dosage forms usually used for topical treatment via skin route. In the last few decades, advanced gels have emerged and played a significant role in drug delivery systems, which is not limited to topical applications of drugs or cosmetics for local action. Advanced gels prepared by nanotechnology have established their efficacy in terms of drug loading and the controlled release of drugs for different routes of administration. Many specific kinds of gels have been invented with potential for real-world application. For topical treatment, gels are developed to ensure adequate localization or penetration of the drug within or through the skin to enhance the local and minimize the systemic effects, or to ensure adequate percutaneous absorption. For systemic treatment, they are developed to increase the bioavailability of the drug through different routes and for many kinds of diseases. It is our pleasure to gather manuscripts covering all aspects, including formulation, manufacturing technologies, and current applications. For more information, please visit: mdpi.com/si/113459

Guest Editors

Prof. Dr. Makoto Otsuka

1. Research Institute of Electronics, Shizuoka University, 3-5-1 Johoku, Naka-ku, Hamamatsu, Shizuoka 432-8011, Japan
2. Faculty of Pharmacy, Musashino University, 1-1-20 Shinmachi, Nishi-Tokyo 202-8585, Tokyo, Japan

Dr. Jomjai Peerapattana

Department of Pharmaceutical Technology, Khon Kaen University, Khon Kaen 40002, Thailand

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Gels
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
gels@mdpi.com

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About the Journal

Message from the Editorial Board

Gels (ISSN 2310-2861) is recently established international, open access journal on physical and chemical gel-based materials. The journal aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. General topics include but not limited to synthesis, characterization and applications of new organogels, hydrogels and ionic gels made either from low molecular weight compounds or polymers, composite and hybrid materials where a metal is by some means incorporated into the gel network, and computational studies of these materials in order to provide a better understanding of gelation mechanism. We cordially invite you to consider publishing with us and contribute with your own grain of sand to the advance in this fascinating field.

Editors-in-Chief

Prof. Dr. Esmail Jabbari

Biomimetic Materials and Tissue Engineering Laboratory, Department of Chemical Engineering, University of South Carolina, Columbia, SC 29208, USA

Prof. Dr. Chuanliang Feng

State Key Lab of Metal Matrix Composites, School of Materials Science and Engineering, Shanghai Jiao Tong University, Shanghai 200240, China

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