

Special Issue

Application of Soft Gels in High-Performance Supercapacitors

Message from the Guest Editor

Soft gels have emerged as a promising material in the development of high-performance supercapacitors due to their unique properties, including high ionic conductivity, flexibility, and electrochemical stability. These materials facilitate the efficient transport of ions, which is crucial for enhancing energy storage and power delivery in supercapacitors. The use of soft gels also allows for innovative designs, such as shaping them into flexible and lightweight electrodes, which can be integrated into wearable electronics and portable energy storage systems. Furthermore, these materials can be tailored chemically and mechanically to optimize performance metrics. In conclusion, the integration of soft gels into supercapacitor technology presents significant opportunities for advancing energy storage solutions, making them suitable for a wide range of applications, from consumer electronics to renewable energy systems. We are thrilled to invite you, as renowned experts in the field, to contribute to this Special Issue and the scientific development of the field of supercapacitors.

Guest Editor

Dr. Shuaikai Xu

School of Physics Science and Technology, Guangxi University,
Nanning 530004, China

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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 Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Esmail Jabbari

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

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