

Special Issue

Advancements in Gel Science— A Special Issue in Memory of Toyoichi Tanaka

Message from the Guest Editor

Gel is a typical state of matter that consists of a polymer network and a very large amount of solvent. Because of such structural characteristics, gel plays essential roles in many fields of science, such as physics, chemistry, and biology. Gel is also widely-used in the fields of medicine, food, separation and purification technologies. We are surrounded by many commodities that are made of gels, even in our daily lives. Nowadays, therefore, we gain a great deal of benefit from gel science. The field of gel science was extensively cultivated by the late Professor Toyoichi Tanaka (1946–2000) from the Massachusetts Institute of Technology. Professor Tanaka found the volume phase transition and the critical phenomena of gel, and he constructed almost all basic science of gel on his own. We, here, propose to Guest Edit this Special Issue, “Advancements in Gel Science”, in memory of Professor Toyoichi Tanaka, since we believe that it is worth a great deal to gel science to summarize the advances made on the basis of his great contributions.

Guest Editor

Prof. Dr. Masayuki Tokita

Department of Physics, Graduate School of Science, Kyushu University,
Fukuoka, Japan

Deadline for manuscript submissions

closed (31 March 2018)



Gels

an Open Access Journal
by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed



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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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