Special Issue

Flocculation and Electrokinetics in Bioresources and Environment: Related to Gels

Message from the Guest Editors

The focus on flocculation has led to an understanding of the kinetics of colloidal interfaces and their relationship with a wide range of biological resources and environmental applications. The interfacial electrokinetic phenomena, especially zeta potential, can be sensitively understood and controlled. The colloids targeted here are complex gels of clay, organic particles, polymers, surfactants, and other materials. One example can be found in soil and water treatment sludge. On the basis of this background, we decided to collaborate with the session “Bio-flocculation and Smart Sludge for Soil Improvement (BSSI)” at TGSW2022 held by the University of Tsukuba and to publish a Special Issue of *Gels* (an open access journal from MDPI). BSSI is an important issue in agriculture and water treatment, but this Special Issue is open to manuscripts on topics ranging from basic to applied flocculation and electrokinetics in bioresources and the environment. We welcome submissions from authors who did present at the TGSW2022 session, as long as they agree with the objectives of the activities of the ELKINJP and RUCEB.

Guest Editors

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Prof. Dr. Yasuhisa Adachi

Prof. Dr. Hiroyuki Ohshima

Deadline for manuscript submissions

closed (30 June 2024)

Gels

an Open Access Journal by MDPI

Impact Factor 5.3
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/140066

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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

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Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 12.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

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