

Special Issue

Surfactant Sciences: Design, Synthesis, and Applications

Message from the Guest Editor

This Special Issue will aim to gather high-quality contributions on the current advances in synthesis, structural design, and multipurpose applications of surfactants. Special emphasis will be placed on the synthesis of novel biodegradable surfactants and their applications in catalysis, biological activity, and nanotechnology. Submissions should focus on the following topics:

- New designs for surfactant synthesis and functionalization;
- Synthesis of biodegradable and green surfactants;
- Mechanistic studies of surfactant breakdown;
- Applications in catalysis and green synthesis;
- Biological activity: antimicrobial, anticancer, or enzymatic interaction studies;
- Surfactant-assisted nanoparticle synthesis and stabilization;
- Structure–activity relationship and modeling of surfactants;
- Interfacial science and micellar behavior in complex systems.

We welcome interdisciplinary research that connects chemistry, biology, and material science to emphasize the evolving role of surfactants in modern research and industry. We look forward to your constructive feedback and do hope this Special Issue proves to be a landmark in the history of surfactant science.

Guest Editor

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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.

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