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Supramolecular Synthesis in Chemical Engineering

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submissions:

closed (30 June 2024)

Message from the Guest Editor

Dear Colleagues,

The exploitation of supramolecular bonding behind designing a series of supramolecular materials for a wide range of applications promotes the chemical society in developing some exciting fields of chemical technologies. The movement with the host-guest systems was initiated by Donald J. Cram, Jean-Marie Lehn and Charles J. Pedersen, recognized by the Noble prize in Chemistry 1987 "for their development and use of molecules with structure-specific interactions of high selectivity" and now materialized by different fields of scientists for the advancement of civilization. We aim to bring this special issue to developing the chemical engineering technologies by exploring supramolecular materials like MOF, supramolecular gels, pharmaceutical co-crystals, supramolecular containers, etc.

Here we invite authors to submit review articles, novel and original works to this special issue which could increasingly spread and advance our scientific understanding. This issue will emphasize the following areas mentioned as keywords, but could even be diversified further.



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Special Issue



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Message from the Editor-in-Chief

ChemEngineering is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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