

## Special Issue

# Supramolecular Nanoreactors for Catalysis of Organic Reactions

### Message from the Guest Editor

The field of supramolecular chemistry has its foundation in mimicking the intricate and effective microenvironments of natural catalysts, in which the confined space promotes reactions with remarkable rate acceleration, substrate specificity, and product selectivity. Supramolecular nanoreactors use supramolecular interactions with guest substrates providing hydrophobic pockets and strong substrate binding, resulting in stabilization of transition-states and/or intermediates. Drawing inspiration from early studies, from cyclodextrins to self-assembled supramolecular hosts and more, the field of organic supramolecular nanoreactors continues to capture a significant amount of interest toward their development as catalysts for increasingly complex organic transformations.

This Special Issue will cover a selection of research application and current review articles in the field of supramolecular nanoreactors. Theoretical and computational studies are also welcomed.

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### Guest Editor

Dr. Giuseppe Floresta

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### Deadline for manuscript submissions

closed (20 June 2021)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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