

## Special Issue

# Organic-Inorganic Hybrids: The New Frontier for Advanced Functional Materials

### Message from the Guest Editors

Organic-inorganic hybrid materials arise from the integration of organic and inorganic matrices and they can be classified according to the mutual interactions at the molecular level, as proposed by Prof. Clement Sanchez. The synergic characteristics and functionalities with respect to the single component make hybrids a potential platform for multidisciplinary applications. The “soft chemistry” behind the sol-gel method is a potential tool to produce smart materials thanks to unique features, with perfect control over size, composition, functionality, and morphology. This Special Issue will provide a forum for scientists working on both sol-gel synthesis strategies and characterization for the development of advanced hybrid materials. Papers reporting the performance of new nanohybrids in any field of materials science (catalysis and biocatalysis, sensing, biomedical applications, etc.) are welcome. And works concerning the use of modern tools, such as (DOSY) NMR, SAXS, and WAXS, to evaluate the hybrid interfaces and self-assembly processes are also encouraged.

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### Guest Editors

Dr. Serena Esposito  
Prof. Dr. Michele Pansini  
Dr. Olimpia Tammaro

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### Deadline for manuscript submissions

closed (31 December 2021)



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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