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## Synthesis and Structural Investigations of Nanocrystalline Materials

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Deadline for manuscript  
submissions:

**closed (15 January 2021)**

### Message from the Guest Editors

The synthesis of nanostructure materials using the template method has become extremely popular during the last decade. It is important to highlight that the future advances in modern technology will depend on the propulsive developments in the rational design of new nanomaterials with targeted properties. Therefore, the idea behind this Special Issue is to identify major strengths and downsides intrinsic to synthesis protocols applied for the preparation of various nanomaterials families, starting with semiconductors, multiferroics, and hydrogen storage materials, all the way to the energy materials for solar cell and LED applications. Besides new techniques and protocols for nanomaterials synthesis, the additional focus of this Special Issue will also be the establishing of the correlation between the preparation conditions, crystal structure, and microstructure on the one hand and resulting properties on the other.

We look forward to receiving your contributions in the form of communications, full articles, or review papers.



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# Special Issue



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## 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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