



materials



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Conventional and Microwave Hydrothermal Synthesis of Functional Materials

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Deadline for manuscript
submissions:

closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

In the last decades the hydrothermal technology has regained a lot of interest in the scientific community in several application fields, of which the synthesis of advanced materials has played a prominent role. In fact, the hydrothermal treatment has enabled the materials scientists to synthesize fine and ultra-fine particles with a controlled size and morphology, and consequently with desired properties. Consequently, a lot of research works have been published in recent years concerning the hydrothermal synthesis of simple oxides, mixed oxides, perovskites, garnets, vanadates, bioceramics, etc. Then, a further push has arrived through the use of microwaves for enhancing the hydrothermal kinetics.

This special issue aims to cover an overview of the application of the hydrothermal technology, both conventional and microwave-assisted, in the synthesis of advanced functional materials. To this end, it is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.



mdpi.com/si/21639

Special Issue



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Message from the Editor-in-Chief

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