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Advances in Sonication and Microwave Processing on Inorganics

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Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editors

The Special Issue will focus on the publication of original manuscripts devoted to the most recent advancements in the processing of inorganic materials by means of both ultrasound as well as microwave technology, together with those deriving by the combination of the two techniques.

Microwaves and ultrasounds in inorganic chemistry and material sciences research fields are typically investigated for the synthesis of specific inorganic materials. Indeed, they allow obtaining several advantages and simplifications in the synthetic protocols, as well as peculiar characteristics in the as synthesized products, contributing to making these technologies well fitting in green chemistry, green engineering and process intensification perspectives.

Therefore, manuscripts related to the aforementioned research area are more than welcome. Despite applications in the synthesis of inorganic materials, further applications of these innovative approaches, such as microwave-assisted sintering of inorganic materials, will also be the focus of this Special Issue.

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Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

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