



Functional Materials: From Synthesis to Applications

Guest Editor:

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Message from the Guest Editor

The development of alternative energies, recycle of materials, and wastewater treatment is required to achieve sustainability in our modern society. In order to meet these demands, the search for new materials has become one of the main research topics of Chemistry. The studied materials are usually called functional. Such materials have acquired a prominent position in several high-tech areas. For instance, perovskites are widely used for photocatalysis, photovoltaic energy conversion, non-volatile RAM memories, SOFC, superconducting coils, and magnetocaloric devices.

The scope of this Special Issue on “Functional Materials: from Synthesis to Applications” is the synthesis and characterization of transition metal oxides and related materials, which are important for various applications, such as catalysis, photoreforming, wastewater treatment, and production of clean energy. Magnetic, ferroelectric, multiferroic, and superconducting materials are of special interest for the development of more efficient and novel devices.

We look forward to receiving your contributions.





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Message from the Editor-in-Chief

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