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Single Crystal Growth of Metal Oxides

Guest Editor:

Deadline for manuscript submissions:
closed (10 August 2020)

Message from the Guest Editor

Dear Colleagues,

Metal oxide (MO) compounds are a broad class of materials that has attracted much attention due to their potential for technological applications and their variety of physical properties, which are vital for fundamental research. For research purposes and many applications, high quality artificially grown MO single crystals of essential.

This Special Issue focuses on bulk MO single crystals growth. The possible topics include but are not limited to:

- Mechanism of crystal growth
- Growth conditions and quality of the resulting crystals
- Characterization of the grown single crystals
- Defect structure and compositional inhomogeneity
- Modeling and theory of growth

Dr. Dmitry A. Shulyatev
Guest Editor

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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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