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Laser Crystals

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Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editor

Dear Colleagues,

Crystalline materials as active media are nowadays widely used in both, scientific and industrial laser sources and amplifier systems for a large variety of applications, including machining and micromachining of materials, medical surgery, security and defense, entertainment, and fundamental research. Thanks to their specific properties, arising from the host and active ion doping, laser crystals can respond to many different demands in terms of wavelength, output power and energy, and continuous wave or pulsed laser operation.

The purpose of this Special Issue of *Crystals* dedicated to laser crystals is to collect papers either giving an overview of the state-of-the-art or reporting on recent advances in the study of laser crystals including, but not limited to, the topics mentioned below in the keyword list. Scientists and engineers working in the fields of laser crystals and their applications are cordially invited to contribute to this Special Issue.

Dr. Inka Manek-Hönninger
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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