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Non-Destructive Testing of Nanostructured Materials

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editor

Dear colleagues,

Theoretical and experimental methods for diagnosing nanosystems are being actively developed. This makes it possible to determine with high spatial and temporal resolution of the complex structures and dynamics of physical processes that underlie promising devices in nanoelectronics and quantum sensors. The objects of study are often carbon nanostructures of various dimensions: from carbon nanotubes and graphene to diamond, as well as other single and polycrystals. The research tools are atomic force and electron microscopy; X-rays; ultrashort pulses; and various kinds of spectroscopy, including spin-optical, IR, and SW. These methods are complemented by positron annihilation spectroscopy, which is extremely sensitive to defects in the crystal lattice.

Dr. Marat Eseev
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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