Special Issue

Non-Destructive Testing of Nanostructured Materials

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.

Guest Editor

Dr. Marat K. Eseev

Department of Fundamental and Applied Physics, Northern Arctic Federal University, Arkhangelsk, Russia

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Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

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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.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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