



crystals



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Periodic and Quasi-periodic Structures

Guest Editors:

Dr. Zaky A. Zaky

Physics Department, Faculty of
Science, Beni-Suef University,
Beni-Suef, Egypt

Dr. Zhaketov Vladimir

Frank Laboratory of Neutron
Physics, Joint Institute for
Nuclear Research, Dubna, Russia

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

As a central theme in this Special Issue, periodic and quasi-periodic structures are investigated to achieve spatial modulation of photons, phonons, neutrons, and X-rays.

Artificial multilayers with periodic and quasi-periodic arrangements of different materials exhibit bandgaps in their spectra (transmittance or reflectance) through Bragg diffraction. Inserting a defect cell inside the structure at suitable conditions creates a resonance that can be used in different applications.

As Guest Editors, we are pleased to invite you to submit manuscripts for this Special Issue, entitled “Periodic and Quasi-Periodic Structures,” which is focused on broad applications of the results involving their simulation, fabrication, and characterization of properties.



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Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, Italy

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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Contact Us

Crystals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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