

Optical Properties of Crystals and Thin Films

Guest Editor:

Dr. Piotr Potera

Institute of Engineering Materials,
University of Rzeszow, Pigionia 1,
35-310 Rzeszow, Poland

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editor

Dear Colleagues,

We are pleased to announce that submissions to the upcoming Special Issue of *Coatings*, entitled "Optical Properties of Crystals and Thin Films", are now being accepted. The topics of interest in this Special Issue include, but are not limited to:

- optical spectroscopy of crystals and thin films (e.g., transmission, absorption, reflection);
- determination of the optical band gap energy and Urbach tail of crystals and layers;
- the use of Swanepoel's method for determining the refractive index and thickness of thin layers;
- luminescence of crystals (mainly photoluminescence and thermoluminescence);
- effects of external influences (irradiation, thermal treatment, etc.) on the optical properties of crystals and layers;
- optical properties of thin films for various applications (in solar cells, in light-emitting devices, etc.);
- optical properties of laser crystals.



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Special Issue

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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