

Special Issue

Optical Properties of Crystals and Thin Films

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2023)



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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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