

Special Issue

Accelerated Development of Nanomaterials, Coatings, and Thin Films for Optical and Electronic Applications

Message from the Guest Editor

Nanomaterials, coatings, and thin films represent the forefront of materials science, offering unprecedented opportunities for innovation in optical and electronic applications. Their unique physical and chemical properties, emerging from nanoscale dimensions and tailored compositions, have revolutionized diverse technological fields. This Special Issue explores the accelerated development of coatings and thin films, focusing on their synthesis, characterization, and application across multiple disciplines. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Deposition techniques;
- Optical characterization;
- Electronic device fabrication;
- Nanostructured materials;
- Surface functionalization;
- Thin film growth mechanisms;
- Semiconductor nanocrystals;
- Optoelectronic devices.

We look forward to receiving your valuable contribution to this exciting endeavor.

Guest Editor

Dr. Žiga Gosar

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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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