



Applications of Optical Thin Films

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editor

Dear Colleagues,

We are pleased to announce that the Special Issue of Nanomaterials entitled “Applications of Optical Thin Films” is now open for submissions. The optical film coated onto optical elements is one of the main reasons behind improvements in the required performance of optical systems. The application of optical film is often required to develop optical performance requirements to meet the newly developed combination of functions.

Specific topics of interest include but are not limited to:

- Design, manufacturing, and metrology of optical thin film;
- Free-form optical coating;
- Optical thin film for consumer products;
- Optical thin film of high-power laser coating;
- Ultra loss optical coating;
- Nanostructured optical thin film;
- Real-time process monitoring and control of optical coating processes;
- Optical thin film of optical communications;
- Optical thin film of displays and lighting;
- Optical thin films of aerospace and space applications;
- Optical thin films of security devices;
- Optical thin films of biological and medical applications.





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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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