

Optical Thin Films and Structures: Design and Advanced Applications

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Deadline for manuscript
submissions:

closed (20 April 2020)

Message from the Guest Editor

You are cordially invited to submit your original work to this Special Issue devoted to “Optical Thin Films and Structures: Design and Advanced Applications”.

This Special Issue will cover the recent progress and new developments in the area of the design, deposition, characterization, and application of optical thin films and structures.

In particular, the topics of interest include, but are not limited to the following:

- Design of complex thin films and structures;
- Deposition strategies for optical thin films and multilayered structures;
- Antireflective thin film coatings;
- Thin films and structures for optical sensing of humidity, VOC's, gases, heavy metal ions, etc.;
- Optical thin films in photocatalysis;
- Optical thin films in solar cells;
- Optical thin films in light emitting devices;
- Transparent and conductive thin films and structures;
- Optical thin films and structures for security devices.



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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.

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