

Thin Films and Surface Optics

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Message from the Guest Editor

Technological progress in the manufacturing of high-accuracy nanometric thin film structures and nanotextured surfaces has led to their application in many fields of science and technology. The characterization of their optical properties and the design of thin film structures with the desired optical parameters has opened up new possibilities for the management of light in such structures and the development of new optical devices in various fields of optics. This Special Issue will be devoted to all kinds of optical characterizations and applications of such thin films and surfaces. The optics of such thin films and their structures have a wide range of applications, beginning from coatings up to

the creation of sophisticated optical elements for lasers, plasmonics, integrated optical circuits, optical nanosensors, and many other uses. The aim of this Special Issue is to present the latest experimental and theoretical studies in the field of thin films and surface optics as presented in original research papers and review articles.



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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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