

Application of Coatings and Low-Dimensional Systems in Quantum Devices

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Message from the Guest Editor

Dear Colleagues,

Electro-optical devices are functional devices which can combine optical and electronical technologies, and thin films and coatings are important components of electro-optical devices. The study of new coatings and thin films can increase the level of performance and number of application scenarios of optoelectronic devices. This Special Issue aims to collect the latest developments in electro-optical devices, with special emphasis on their simulation, structure and application. We would like to invite you to submit your work to this Special Issue on "Application of Coatings and Thin Films in Electro-Optical Devices".

In particular, the main contents of this topic include, but are not limited to, the following:

- The preparation of coatings in electro-optical devices;
- New coating and film structures;
- The physical simulation of coatings and films;
- New applications of coatings and films in electro-optical devices;
- New processes of coating preparation in electro-optical devices;
- New principle devices composed of coatings and thin films;
- Driving methods of coating or thin film devices;
- New coatings and new film products.



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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.

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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