



Advanced Optoelectronic Materials, Films and Devices

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Message from the Guest Editor

Dear Colleagues,

Nowadays, extensive research efforts have been devoted to the study of Advanced Optoelectronic Materials, Films and Devices. Advanced Optoelectronic Devices have spurred a number of new lightwave technologies for future data storage and information processing. In addition, Advanced Optoelectronic Material research can develop innovative solutions to the fundamental problem of existing optoelectronic devices, providing new approaches for next-generation energy and display applications.

For this Special Issue of Coatings, we would invite authors to contribute with their in terms of research paper, communications, letters, and reviews on Advanced Optoelectronic Materials, Films and Devices. This special issue covers all aspects of the studies on optoelectronic devices, nanophotonics, plasmonics and metamaterials, biophotonics and biomedical optics, nonlinear optics and ultrafast photonics, spin- and chiral- optoelectronic materials and devices, photovoltaic, display from both experimental or/and theoretical viewpoints.





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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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