

Special Issue

Perspective Coatings for Optical Materials Modifications

Message from the Guest Editor

In order to extend the perspective approach and scientific idea to modify the surfaces of the inorganic and organic materials with good advantage. Different types of the nano-objects (fullerenes, carbon nanotubes, Au, Ag, Lns, etc. particles) can be deposited at the materials surfaces, which provoke the change in their spectral parameters, refractive, conductive, mechanical, aquastic, and wetting characteristics. Moreover, some types of the particles deposited on the material surfaces can protect them from corrosion. In particular, the topics of interest include, but are not limited to:

- Method and approaches to develop the classical and novel coatings;
- Traditionally used and novel materials applied as the perspective coatings;
- Mechanisms responsible for the spectral parameters change;
- Mechanisms regarded to the mechanical characteristics modification;
- Refractive and conductive features of the materials with the novel coatings;
- Wetting peculiarities of the modified materials;
- Fact of the materials structuration influence on their surfaces.

Guest Editor

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About the Journal

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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