Special Issue

Nanostructured Materials Deposition Techniques and Characterization

Message from the Guest Editors

This Special Issue is focused on contributions related to the most current results obtained from nanocomposite coatings development, processing–structure–property–performance relationships and specific applications. Thin film nanocomposites technology represents a field with a wide range of applications such as protective coatings in mechanical, optical, biomedical, thermal and electronics. With nanocomposites thin films, the results should showcase leading cutting-edge data about the growth mechanism that should be described considering the conditions for the formation of thin films. The characterization techniques used for the characterization of chemical composition, morphology, stress, and electrical conductivity should be described along with their principle. The topics of interest include but are not limited to:

- Plasma films deposition, technology and applications;
- Preparation by vacuum deposition techniques;
- Thin films synthesis;
- Surfaces and interfaces characterization;
- Nanostructured thin films.

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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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