Special Issue

Synthesis, Characterization, and Applications of Functional Thin Films

Message from the Guest Editor

Functional thin films are an exciting and rapidly growing field of research with a wide range of applications. The ability to design and fabricate thin films with specific functions creates new opportunities for technological advances in areas such as electronics, optics, biomaterials, and energy storage. As research in this area continues to progress, it is expected that there will be even more innovative and practical applications for functional thin films. This Special Issue focuses on the synthesis, characterization, and application of functional thin films. Topics covered include but are not limited to:

- Functional thin films and nanostructures;
- Functional and conductive polymer thin films;
- Anti-reflective coatings;
- Functional films for gas-sensing applications;
- Functional piezoelectric materials and applications;
- Optoelectronic functional thin films;
- Functional thin films for solar cells;
- Thin films in the biomedical industry;
- Electronics industry;
- Biosensors.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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