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Thin-Film Synthesis, Characterization and Properties

Guest Editor:

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Deadline for manuscript submissions:
20 August 2024

Message from the Guest Editor

Dear Colleagues,

Thin film is an important field in materials science, electrical engineering, and applied solid state physics. Advances in thin films throughout this century have enabled a wide range of technological breakthroughs in the fields of surface engineering, corrosion, biomaterials, energy generation and storage, microfabrication, computer manufacturing, and physical devices.

This Special Issue invites manuscripts on the synthesis, fabrication, processing, characterization, properties, and applications of thin films.

In particular, the topics of interest include but are not limited to:

- Synthesis and fabrication;
- Characterization and applications;
- Surfaces and interfaces;
- Nanomechanics of thin films;
- Properties of thin films;
- Thin film devices.

Prof. Dr. Waseem Haider
Guest Editor

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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