

Special Issue

Design, Fabrication, and Characterization of Thin Films for Photonic Applications

Message from the Guest Editors

The field of photonics brings a new insight into the nature of light and fills gaps in our knowledge. Photonics as a tool for manipulation of light is an essential path on the technology roadmap of the industry, because it enables plenty of possible applications that are far beyond the capabilities of electronics. It is our pleasure to invite you to submit a manuscript to this Special Issue, which will be dedicated to the field of photonics. Topics of interest include design and simulation, fabrication of thin-film structures, characterization methods, and potential applications. Full papers, communications, and reviews are all welcome. We expect to receive submissions covering the following topics on thin films for photonic applications:

- Design including theory and simulation;
- Fabrication technologies including deposition and patterning;
- Characterization methods, including methodology, instrument setup, and evaluation techniques;
- Nanomaterials, low-dimensional materials, and optical metamaterials;
- Metal optics and plasmonics;
- Thin-film structures, devices, and systems.

Guest Editors

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Deadline for manuscript submissions

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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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