

## Special Issue

# Applications of Thin Films and Their Physical Properties

### Message from the Guest Editor

Owing to the numerous advantages over their bulk counterparts, thin films have found numerous applications in a wide variety of fields, including photocatalysis, sensing, optics, electronics, optoelectronics, photovoltaics, spintronics, and so on. Techniques for preparing thin films, such as magnetron sputtering, molecular beam epitaxy (MBE), metal-organic chemical vapor deposition (MOCVD), pulsed laser deposition (PLD), etc., have progressively advanced, while processes that integrate thin films into devices are actively being developed. This Special Issue showcases leading cutting-edge research on all aspects of thin film technology, ranging from thin film growth to characterization, and the many applications of thin films, including integration into devices. Both experimental and theoretical work, or a combination of both, is welcome. High-quality, original research papers and review articles that include, but are not limited to, the following topics will be considered:

- Fabrication by wet (chemical, solution processing, etc.) and dry (magnetron sputtering, pulsed laser deposition, etc.) methods;
- Thin film characterization, etc.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 February 2026)



## Applied Sciences

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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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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