

# Special Issue

## Advanced Thin Films Technologies for Optics, Electronics, and Sensing

### Message from the Guest Editor

We are pleased to invite you to submit your work to this Special Issue, “Advanced Thin Films Technologies for Optics, Electronics, and Sensing”. The theme of this Special Issue is focused on thin-film applications in advanced optics, electronics, and sensing. In particular, papers are invited that discuss recent advances in synthesis and specific characterization techniques supporting the correlation between structure and specific properties, design and realization of devices based on thin films. In this Special Issue, original research articles and critical reviews (focused on a specific group of materials or/and specific applications) are welcome. Research areas may include (but are not limited to) the following:

- Synthesis of thin-film materials;
- Composite and nanocomposite films—design, synthesis, characterization and their use;
- Thin-film chemical and physical deposition techniques;
- Advanced characterization techniques for thin films (bulk, surface, interfaces);
- Optical properties of thin films and their applications;
- Thin films for electronic and sensing devices, microsystems;
- Advances in environmentally friendly methods for thin-film production.

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### Guest Editor

Dr. Octavian Buiu

National Institute for Research and Development in Microtechnologies, IMT-Bucharest, 126 A Str. Erou Iancu Nicolae, 077190 Voluntari, Romania

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### Deadline for manuscript submissions

closed (31 July 2025)



## Coatings

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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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### Editors-in-Chief

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