

# Special Issue

## Advances in Optical Coatings and Thin Films

### Message from the Guest Editors

- Novel thin-film and coating fabrication methods;
- Rare-earth-doped thin films and coatings;
- Defect-related emission/absorption and optical matching;
- Organic, inorganic, smart, and 2D luminescent materials;
- Light-assisted electronic transport;
- Waveguide innovations;
- Quantum interference and spin-orbit coupling effects;
- Electric transport in 2D electron/hole gases at interfaces;
- Phenomena under extreme environmental conditions.

### Guest Editors

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### Deadline for manuscript submissions

10 January 2026



## 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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