

Special Issue

Advanced Materials: Synthesis, Structural Investigation and (Di)electric Properties

Message from the Guest Editors

We are pleased to invite you to submit your work to this Special Issue of *Coatings* on “*Advanced Materials: Synthesis, Structural Investigation, and (Di)electric Properties*”. This Special Issue welcomes novel manuscripts dealing with previously unpublished advances in the areas of:

- Design and synthesis: design of advanced materials based on their novelty and prospective and their synthesis using classical and state-of-the-art chemical and physical methods;
- Structural investigation: use of classical and advanced characterization methods (single or multi-) and monitoring (in situ and in operando) of materials characteristics which have a significant influence on the target properties for possible application (structure–properties correlation);
- (Di)electric properties: detailed study of materials based on various advanced single/multi-techniques under steady or variable conditions (such as frequency, temperature, atmosphere, etc.) and correlation with structural features in terms of target application.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2025)



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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, peer-reviewed, 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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