



State-of-the-Art on Coatings Research in Romania 2021-2022

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Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

The main aim of this Special Issue is to offer an up-to-date picture of the recent Romanian advances in the field of coatings, allowing the international scientific community in the field to gain insight into the Romanian state-of-the-art. The Special Issue is open for all the Romanian researchers, with or without foreign co-authors, who want to share their latest results in the field of coatings. The Special Issue will be focused on, but will not be limited to, the following topics:

- Surface modification of materials for improving their functionality;

- Recent developments in multifunctional organic, inorganic, and hybrid coatings;

 - Bactericidal, anti-infective coatings;

 - Self-healing coatings and mechanisms;

- Biomedical and pharmaceutical applications of coated materials;

- Advanced approaches for chemistry-based synthesis of coatings;

- Novel fabrication and synthesis routes in physical and (plasma-enhanced) chemical vapor deposition;

- Modeling and analysis of PVD growth processes and correlated coating properties.





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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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