

Protective Composite Coatings: Implementation, Structure, Properties

Guest Editor:

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Deadline for manuscript
submissions:

closed (25 January 2024)

Message from the Guest Editor

We are pleased to invite you to submit your work to this Special Issue on “Protective Composite Coatings: Implementation, Structure, Properties”.

This Special Issue aims to present cutting-edge practical and theoretical research on the structure and properties of composite coatings. Works on the modeling, production, and research of composite coatings obtained by the modern methods of powder metallurgy, CVD, PVD, and other methods are encouraged. Of particular interest are works devoted to composite coatings on additively manufactured parts.

For this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Composite coatings including metal, ceramic, and/or polymer components;
- Protective coatings on additively manufactured parts;
- The mathematical modeling of coatings, including their implementation, effective properties, and structure modeling;
- Novel ideas, materials, and equipment for the production of composite coatings;
- Reactive and in situ formation of composite coatings;
- Multilayer and gradient coatings.



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We look forward to receiving your contributions.

Special Issue

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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that

focuses on the dissemination of applications in the field of surface science and engineering. *Coatings* publishes original, research articles that report cutting-edge results and review papers on the hottest topics.

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