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Metal Coatings for Wear and Corrosion Applications

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is dedicated to research activities concerning the wear and corrosion behaviour of metallic coating materials. Topics of interest may range from fundamental understanding of the mechanisms to special solutions for practical application. Materials are exposed to different types of wear and corrosion attack, leading to severe material degradation. Therefore, the knowledge on surface engineering must be combined with fundamental information on materials science to understand the observed phenomena and prevent further failure.

In this context, submissions may tackle subjects like technologies for the deposition of metallic coatings, additive manufacturing methods, or the surface postprocessing of applied coatings using laser or electron beam sources. Functional gradient advanced materials as well as structured surfaces with special applications have been developed and applied in recent years, but some key problems still need to be elucidated and solved.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

Dr. Gabriela Mărginean

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Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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