



Coatings on Light Alloys Substrate

Guest Editor:

Prof. Dr. Hongxiang Li

State Key Laboratory for
Advanced Metals and Materials,
University of Science and
Technology Beijing, Beijing
100083, China

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Message from the Guest Editor

Dear Colleagues,

This Special Issue of “Coatings on Light Metal Substrates” focuses on the significant developments and in-depth understanding in surface engineering technology to modify and improve the surface properties of magnesium, aluminum and titanium alloys for protection in aggressive environments or enhanced functional performance. Under the premise that the substrate is light metal, the scope of contributions is as follows:

- Improvement and breakthrough of surface engineering technology, including cold and thermal spraying, plasma spraying, surface modification by directed energy techniques, such as ion, electron and laser beams, thermo-chemical treatment, wet chemical and electrochemical processes.
- Engineering application and/or function application of metallic, inorganic, organic and composite coatings.
- Relationships among the processing, the structure and the properties/performance of coatings.
- Theory and/or simulation of the preparation, the service or the failure of coatings; the theory or simulation can substantially advance our understanding on the formation process, the structure and properties of coatings on light metal substrates.





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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