



## Fabrication, Characterization, and Application of Coatings and Thin Films

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### Message from the Guest Editor

Coatings and thin films improve and fine-tune the properties of material surfaces. Moreover, materials deposited in the geometry of a thin film or a designed coating offer different functionalities in comparison to bulk materials. Today's equipment and technologies for microstructuring and patterning provide sophisticated tools for further perfection of the surface. The art of coating and thin film technologies starts before their deposition by placing proper emphasis on the processing of precursors and particles for adjusted monolayered films or hybrid coatings. Sometimes, the fixation of nanomaterials in coatings or at surfaces is not only the cherry on the cake but also enables specific features. Last but not least, signals from the coating or thin film enable smart interactions and coating communication with or coating reaction on the environment.

This Special Issue aims to address the latest trends in surface engineering and coatings technology. Our aim is to combine results from experts in different fields, to stimulate interest in the trends and successes from one special field and application to another.





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## Message from the Editor-in-Chief

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