

## Special Issue

# New Challenges of Coating Deposition Processes: Microstructure Evolution and Properties

### Message from the Guest Editors

Thin layers technologies, in particular those based on physicochemical processes and hybrid deposition systems, are an important part of current studies in the field of surface engineering of coatings materials. In the case of functional materials, there is a growing need for novel interlayers and coatings that assure increased hardness, wear resistance, low friction coefficient, biocompatibility, etc. New, potential technologies are related to both the selection of the chemical and phase composition of thin coatings and the design of individual stages of the synthesis process, which lead to obtaining a novel material with a specific set of functional properties. Thus, we invite you to present your valuable research focused on the possibility to obtain functional coatings with the application of different deposition systems on metallic, polymeric, or ceramic substrates in this Special Issue. In particular, the topics of interest include, but are not limited to: (i) functional coatings, (ii) hybrid coatings, (iii) plasma processes, and (iv) microstructure evolution.

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### Guest Editors

Dr. Karol Kyzioł

Dr. Mars Krzysztof

Dr. Marek Hebda

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### Deadline for manuscript submissions

closed (20 June 2023)



## Materials

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### Message from the Editor-in-Chief

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