



## Multifunctional Coatings: From Protective to Bio-Applications

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### Message from the Guest Editors

With the progress of nanotechnology and production methods, coatings today are becoming incredibly attractive materials due to the possibility for them to have a unique combination of very different properties, which may respond to a wide variety of demands and requirements, but also to an attractive set of characteristics that are economically desirable, e.g., being lighter, cheaper, more durable, and more versatile than most bulk materials. Excellent biocompatibility and thermal, electrical, chemical, and mechanical properties, together with tribological response optimization, are among some of the most attractive properties that it is possible to tailor into different kinds of coating systems and synthesis methods. Considering this growing need for multifunctionality in order to respond to the increasing demands of industry and materials/device responses, this Special Issue aims to collect articles reporting on recent developments dealing with preparative methods, design, properties, structure, characterization, as well as promising applications of multifunctional coatings.





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