Special Issue

Plasma Processed Thin Films and Coatings

Message from the Guest Editors

Thin films and coatings, deposited by physical and chemical plasma-assisted or -enhanced processes like atomic layer deposition, atmospheric pressure plasma deposition, magnetron sputtering, and so on, find many applications, for example, in the healthcare and pharmaceutical industry, energy production, and automotive and aerospace industries. Bioactive coatings like titanium oxide can improve the antimicrobial activity of metal or the polymeric surfaces of implants, but also of everyday life objects, like holding rods in public transport. Functional coatings on the other hand can improve the process of osseointegration, which is the direct structural and functional integration between living bone and an implant. We encourage the community working on plasma PVD and CVD thin films and coatings to submit the outcomes of their research to this Special Issue. Manuscripts covering all aspects, including, but not restricted to, the deposition, characterization, and applications of bioactive thin films and coatings in science and technology are welcome.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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