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Plasma Surface Engineering of Materials

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Message from the Guest Editors

Plasma technologies have become a part of industrial applications that replace or compete with standard technologies. Their potential is expanding thanks to new plasma sources and new techniques. This opens new areas where these technologies have a potential for future application. Successful applications include adaptive tribology coatings working at high temperatures or the surface treatment of polymer-based nanoparticles. Another interesting area is hybrid technologies. In this case, plasma technologies can complement or facilitate the application of already-established methods. This Special Issue will include knowledge from basic research that has potential for industrial use as well as that which can be applied in existing industrial technologies. We will focus on the following specialized topics:

- Plasma and ion surface engineering
- Coatings in contact with water and ice
- Adaptive tribological coatings
- Flexible coatings
- Biomedical and biological applications
- Particles and powders in plasma
- Plasma treatment, plasma cleaning
- Plasma–surface interaction



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Message from the Editor-in-Chief

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