Special Issue

Plasma Surface Engineering of Materials

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

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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