Special Issue

Plasma Surface Modification for Bio-Applications

Message from the Guest Editors

Surface engineering studies, as well as surface chemical reactions, can be studied in various types of complex systems due to technological advances in materials characterization methods. Surface modification can be performed by exposure to ‘plasma’, which are ionized gaseous molecules that generate a glow discharge upon supply of electric field due to their excitation into energetic states. Studies suggest that since plasma is limited to a few tens of nanometers, the bulk properties of the surface remain intact. This Special Issue welcomes contributions on ‘Plasma Surface Modification for Bio-Applications’, with the aim to highlight the current state-of-art of research in this area. The Special Issue will accept diverse forms of contributions, for example, papers focusing on the interface/surface engineering for nanotechnology, biomedical, agricultural, and other applications. In particular, the topic of interest includes but is not limited to

- Plasma;
- Surface Modification;
- Analytical Chemistry;
- Bio/nano-materials;
- Applications

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Deadline for manuscript submissions

closed (31 January 2023)

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.
Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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