Special Issue

Plasma Applications in Material Processing

Message from the Guest Editors

Plasma technologies lead innovation in material processing, offering unique solutions for surface modification, coating and thin-film deposition, waste recycling, and new material generation and development. This Special Issue will include contributions that investigate various topics such as the development and optimization of different plasma generators, as well as advancements in plasma flow diagnostics, which is essential for understanding plasma's behavior when interacting with the materials being processed and our ability to control these processes Potential topics include, but are not limited to: • Development and characterization of advanced plasma sources; • Plasma diagnostics for real-time process monitoring; • Numerical simulations of plasma and plasma–surface interactions; • Plasma–liquid interactions for material synthesis and environmental applications; • Plasma-based surface treatment and surface modification technologies; • Fabrication and enhancement of composites using plasma processes; • Plasma-processed thin films and coatings; • Plasma waste recycling and environmental plasma applications.

Guest Editors

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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.

Editor-in-Chief

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