Special Issue

Plasma Coating and Interface Technology: New Horizons in Surface Science

Message from the Guest Editors

Plasma coating technology, involving physics, chemistry, materials, surface science, and other disciplines, is an important approach for depositing functional coatings. Coatings fabricated by plasma have many advantages, e.g., super-hardness, wear resistance, optoelectronic properties, and can be used in a variety of fields, including aerospace, microelectronics, biomedicine, etc. Recently, new research on plasma coating technology has made significant progress in process design and material property. We are pleased to invite you to contribute to this Special Issue, which aims to highlight the latest advancements and breakthroughs in coatings based on plasma techniques. The scope includes experimental research, theoretical studies, and reviews on topics that involved plasma enhanced physical vapor deposition (PEPVD), plasma enhanced chemical vapor deposition (PECVD), plasma-assisted atomic layer deposition (PAALD), plasma electrolytic oxidation, plasma spraying, magnetron sputtering, models and simulations relevant to the plasma process, etc.

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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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