

Special Issue

PVD and CVD Advanced Coatings: Process Improvement and Films Characterization

Message from the Guest Editors

To respond to the current high technological demand, materials play a preponderant role in the life cycle of innovative products. The deposition of thin films to assign specific characteristics and, thus, make products more competitive has attracted a great deal of attention from researchers, these studies focusing on improving the tribological behavior, optical enhancement, wear resistance, structural strengthening, visual/aesthetic enhancement, and many other fields with a wide range of applications. Improving the characteristics of materials, e.g., adhesion to the substrate, wear resistance, etc., as well as coating techniques to offer combinations normally not possible in a single material, are highly sought-after topics by researchers, nanostructured coatings deserving special interest, with their characterization being a hot topic. This Special Issue aims to compile topics related to coating processes, ways to optimize the coating process, and seeking relationships with improvements in industrial requirements depending on the product and market demand.

Guest Editors

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Deadline for manuscript submissions

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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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