

Special Issue

Coatings and Surface Functionalization of Aerospace Components

Message from the Guest Editor

Both the aeronautics and space industries rely on protective treatments to ensure that the structural integrity of an aircraft or a satellite is not degraded in service as a result of operating under harsh conditions. Coatings have played a vital role in spacecraft and instruments for several decades, providing unique optical properties, thermal and electromagnetic protection, and low friction and wear resistance. The goals of this Special Issue are to review the coating technologies traditionally used in aeronautics and space applications, to provide information about recent advances and emerging technologies, and to explore new research opportunities in this exciting and growing field. This Special Issue will cover the last advances in “Coatings and Surface Functionalization of Aerospace Components”, especially in new applications, techniques, and materials.

Guest Editor

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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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