

Special Issue

Recent Developments of Micro and Nano Tribological Coatings

Message from the Guest Editors

Coatings or thin films are applications used widely for many goals. There are many materials used as thin films deposited on substrates to improve different characteristics. The area of corrosion and wear protection coatings has been developed very quickly due to the massive economic impact of surface degradation on metallic structures.

Nanocomposite coatings have significant product performance and cost-saving benefits in the global automotive, construction, polymers, solar, glass, oil and gas fields. These types of coatings allow surface functionalization that can improve product longevity, surface strength, and specific properties such as antimicrobial, self-healing, flame retardant, and gas barrier. It is intended to give more emphasis to nanocomposite coating for anti-corrosion and anti-wear applications.

This Special Issue will collect the current research from this broad world of coatings and thin films to assess current trends and predict future developments that will impact the field of materials engineering and tribology. New proposals aim at increasing the level of coatings and thin films engineering material.

Guest Editors

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Deadline for manuscript submissions

closed (1 October 2023)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/112242

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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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