

Topical Collection

Pavement Surface Coatings

Message from the Collection Editors

Pavement surface characteristics are crucial for both safety and functional quality of transportation infrastructure. The correct design of pavement coatings, together with adequate construction and maintenance processes, ensures good performances in terms of skid resistance, regularity, structural resistance, vehicle control and dynamics, drainage and prevention of aquaplaning, vehicle operational costs, and environmental sustainability.

Mechanical, thermal, chemical and/or physical properties and characteristics of bitumens, aggregates, asphalt or cement concrete, as well as rheological characteristics of these materials, can significantly influence road surface performance.

Scope of the Special Issue is to present and discuss the most recent research advances in this field and to consider how these results allow to obtain better functional and structural performances of pavement surface coatings.

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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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