

Special Issue

Anti-Icing Coatings and Surfaces

Message from the Guest Editors

The strong adhesion of ice to almost all kinds of surfaces is an overwhelming problem in cold countries. Common examples include: scraping off ice from car windshields, skidding on icy roads, power outages due to icing on electrical cables and insulators, icing on aircraft wings and wind mills, *etc.* Although investigations around the world have been carried out for decades, so as to find a solution to this problem of ice adhesion, literature is relatively scarce in this field. This Special Issue provides a forum for the basic aspects, theories, and mechanisms of adhesion and surface science in general, and deals with applications in all areas of technology. Thus, the objective here is to offer to our readers a unique Special Issue exposing the state of the art regarding ice adhesion.

Guest Editors

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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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