

Anti-Icing Coatings and Surfaces

Guest Editors:

Prof. Dr. D. K. Sarkar

Department of Applied Sciences,
Université du Québec à
Chicoutimi, Pavillon principal,
bureau P4-3280 555, boulevard
de l'Université (Chicoutimi),
Saguenay, QC G7H 2B1, Canada

Dr. N. Saleema

Department of Applied Sciences,
Université du Québec à
Chicoutimi, Pavillon principal,
bureau P4-3280 555, boulevard
de l'Université (Chicoutimi),
Saguenay, QC G7H 2B1, Canada

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

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.

Prof. D. K. Sarkar

Dr. N. Saleema

Guest Editors



mdpi.com/si/4337

Special Issue

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI