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Atomic Layer Deposition: Recent Developments and Future Challenges

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to publish as well as original research papers reviews from leading groups around the world, both experimental and theoretical, with achievements in the new field of ultrathin coatings.

The Special Issue plans to cover coatings, surfaces, and interfaces in the broader sense.

- Ultrathin films—Atomic Layer Deposition;
- Surfaces passivated by carbon atoms;
- Coatings using CNT, fullerenes, graphene, GO, MoS2, BN;
- Characterization techniques (SPM; SEM, TEM; XPS; AFM, STM);
- Applied surface science;
- Adsorption, adhesion, functionalization;
- Fundamental and functional properties of surface and interfaces;
- Theoretical and computational modeling of surfaces and interfaces;
- Super-hydrophobicity;
- Super-hydrophilicity;
- Anti-icing coatings;
- Self-healing coating;
- Anti-corona coatings.

Prof. Dr. Zinetula Insepov
Guest Editor

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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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