

## Special Issue

# Molecular Insight into Novel Coatings: Design, Synthesis, and Applications

### Message from the Guest Editors

Currently, various methods of surface modification and for the design of new coatings are widely used in many industries. Surface modification can endow a material with completely new properties.

This Special Issue is dedicated to all types of surface modification in order to create and develop new coatings. The purpose of this Issue is to demonstrate the current trends in surface engineering, highlight the most promising development paths, and outline the approaches that have already been developed. In this case, special attention will be paid to the mechanisms of synthesis of surface structures, the description of intermolecular interactions that arise not only in the process of obtaining a coating, but also in the course of its further functioning. This Special Issue will provide an opportunity to more fully explore not only applied, but also fundamental, aspects of the design of surfaces with special properties.

### Guest Editors

Dr. Dmitry V. Mashtalyar

Institute of Chemistry, Far Eastern Branch, Russian Academy of Sciences, Vladivostok 690022, Russia

Dr. Konstantine V. Nadaraia

Institute of Chemistry, Far Eastern Branch, Russian Academy of Sciences, Vladivostok 690022, Russia

### Deadline for manuscript submissions

closed (20 June 2025)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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