

Special Issue

Molecular Surface Modification for Applications in Surface Protection

Message from the Guest Editor

It is well known that molecular coatings of different materials are a strategy to modify surfaces. Initially, this route was used to modify or to tune the electronic properties of metal surfaces such as gold, silver, etc., which have been extensively studied from a physical and chemical fundamental point of view. In recent decades, this methodology has been extended to the functionalization of surfaces of conducting materials, metal oxides, and semiconductors. These systems have been intensively studied for different applications, such as protection against corrosion or biocorrosion, inhibition of oxidation, etc. For this, several coatings have been developed based on the simple functionalization of the surface or the formation of self-assembled molecules on surfaces and even thin polymeric films.

Guest Editor

Dr. Marcos I. Flores

Laboratory of Surface and Nanomaterials, Physics Department, Faculty of Physics and Mathematics Science, Universidad de Chile, Beauchef 850, Santiago 8370415, Chile

Deadline for manuscript submissions

closed (15 October 2022)



Surfaces

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.4



mdpi.com/si/116089

Surfaces
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
surfaces@mdpi.com

[mdpi.com/journal/
surfaces](https://mdpi.com/journal/surfaces)





Surfaces

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 3.4



[mdpi.com/journal/
surfaces](https://mdpi.com/journal/surfaces)



About the Journal

Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.

Surfaces is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

Editor-in-Chief

Prof. Dr. Gaetano Granozzi

Department of Chemical Science, Università degli Studi di Padova,
Padua, Italy

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, Inspec, CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.3 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

Journal Rank:

CiteScore - Q2 (Materials Science (miscellaneous))