

## 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.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 October 2022)



## Surfaces

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## 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.

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### Editor-in-Chief

Prof. Dr. Gaetano Granozzi

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

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

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