

## Special Issue

# Advances in Surface Science and Thin Films

### Message from the Guest Editor

Advances in understanding the physico-chemical properties of surfaces and the development of thin film coatings continue to push the boundaries of materials for applications such as catalysts, Li-ion batteries, photovoltaic cells, and luminescent materials among others. A particular challenge nowadays has been the instability of materials for various technological applications driven by surface chemistry. Hence, attaining a thorough understanding of the composition and reactivity of surfaces enabled by various analytical techniques is essential to further innovations. Moreover, developing strategies for the stabilization of surfaces by special treatments, functionalization, coatings, or the deposition of ultra-thin films as protective barriers has become key to facilitate technological advancements. This Special Issue aims to compile recent leading-edge research of both fundamental and applied nature pertaining widely to the study of surface chemical and physical properties, and the processes by which surfaces are modified *via* various treatments and coatings. It is my pleasure to invite you to submit a manuscript for this Special Issue.

---

### Guest Editor

Dr. José A. Jiménez

Department of Biochemistry, Chemistry, and Physics, Georgia Southern University, Statesboro, GA 30460, USA

---

### Deadline for manuscript submissions

closed (20 August 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/106129](https://mdpi.com/si/106129)

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

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

[applsci](https://doi.org/10.3390/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )