



## Factors That Affect the Corrosion of Aluminium Alloys

Guest Editors:

**Dr. Giorgio Luciano**

National Research Council of  
Italy, Institute of Chemical  
Sciences and Technologies,  
Genova, Italy

**Dr. Amir Razmjou**

UNESCO Centre for Membrane  
Science and Technology,  
University of New South Wales,  
Sydney, Australia

Deadline for manuscript  
submissions:

**closed (31 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

I am very glad to invite you to contribute to this Special Issue of *Applied Sciences*. Aluminium is widely used in several fields such as building, transport, electrical engineering, and packaging due to its well-known advantageous properties such as its lightness, electrical and thermal conductivity, surface functionalization, ease of recycling, forming, wide range of alloys and semi-products, and corrosion resistance. Due to its ubiquitous application, the study of its protection and interaction with the environment of application still remains an extremely important and hot topic. In this Special Issue, we would like to review and discuss all the theoretical and practical aspects and factors that can explain its corrosion process and protection. Theoretically and experimentally based contributions related to surface characterization, functionalization, protection, and corrosion mechanisms are welcome.

For further reading, please visit the [\*Special Issue website\*](#).





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (Fluid Flow and Transfer Processes)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)