

# Special Issue

## Application of Biotechnology

### Message from the Guest Editor

Biotechnology is an activity that humanity has used and benefited from for more than 6000 years, starting from when man prepared food such as cheeses, bread and fermented vegetables, to now with the production of vaccines and antibiotics. The purpose of this Special Issue is to disseminate the most relevant results that take a biotechnological approach for solving problems related to the diagnosis of diseases in humans, as well as in new treatments capable of combating pathogenic microorganisms that are characterized by resistance to antibiotics. Keywords

- biosensors
- nanotechnology
- nano-immunosensors
- biomarkers
- pathogenic microorganisms
- biodegradable composites

---

### Guest Editor

Dr. Marlon Rojas-López

Instituto Politecnico Nacional, Centro de Intestigacion en Biotecnologia Aplicada, Tlaxcala 43126, Mexico

---

### Deadline for manuscript submissions

closed (20 June 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/176176](https://mdpi.com/si/176176)

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

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





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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