

Special Issue

In Vitro and In Vivo Methods to Monitor the Immune Response and Its Regulation Methods

Message from the Guest Editors

For decades, science has been developing tools to monitor immune system responses. New techniques are helping researchers discover those mechanisms and find substances responsible for disease development. Several animal models, as specific and sensitive methods, serve as tools for finding new solutions in cell culture models, flow cytometry, mass spectrometry, microarray assays and many others that allow researchers to discover allergens molecular epitopes, mechanisms responsible for T and B cells activation, inducing the mechanisms involved in autoimmune diseases, cancer development and the reason for the current increase in obesity.

The intention of this Special Issue is to provide researchers with the opportunity to publish high-quality research from all over the world in one issue concerning in vitro and in vivo methods of immune system response monitoring and the mechanism to regulate this response.

Guest Editors

Dr. Zlotkowska Dagmara

Dr. Paulina Niedźwiedzka-Rystwej

Prof. Dr. Jacek Rolinski

Prof. Dr. Ewelina Grywalska

Deadline for manuscript submissions

closed (10 November 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/66222

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

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, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

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