

Special Issue

Bio-Based Polymers against Viral, Bacterial, and Fungal Pathogens

Message from the Guest Editor

Scientists, engineers, and biotechnologists are called to take urgent action providing realistic solutions to the societal challenges that are compromising the present and future generations' wellbeing. Among them, **microbial resistance and sustainable development** are of great importance due to their direct impact on the global economic and social burden. Microbial resistance is today at the center of international health strategies to overcome the devastating incidence of the COVID-19 pandemic, but we must be aware of future bacterial, viral, and fungal dangers that may imperil our societies worldwide.

This Special Issue aims to focus on the most recent advances obtaining antimicrobial sustainable materials with improved performance for application in **antimicrobial food packaging, bacteriostatic textiles, antiviral polymers, barrier membranes, antifouling, antibacterial biomaterials, and polymer–drug conjugates**.

Please find the details at

https://www.mdpi.com/journal/applsci/special_issues/bacterial_polymers

Guest Editor

Dr. Luis Rojo del Olmo

Consejo Superior de Investigaciones Científicas, Instituto de Ciencia y Tecnología de Polímeros and Interdisciplinary, Platform for Sustainable Plastics towards a Circular Economy, Calle Juan de la Cierva, 3, 28006 Madrid, Spain

Deadline for manuscript submissions

closed (31 December 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/si/77477](https://www.mdpi.com/si/77477)

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

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