



State-of-the-Art of Antibacterial Materials and Coatings

Guest Editor:

Prof. Dr. Elia Marin

Department of Material
Chemistry, Kyoto Institute of
Technology, Kyoto 606-8585,
Japan

Deadline for manuscript
submissions:

closed (30 September 2021)

Message from the Guest Editor

Scientific interest on the development and characterization of antibacterial materials has been exponentially growing since the late 1970s, to the point that most existing materials, either synthesized or naturally available, have been tested at least once for their antibacterial properties.

It is now time to consolidate the scientific evidence into a state-of-the-art review, which we hope will represent a starting point for future research in this field. Papers concerning new testing methods, characterization of innovative materials, multi-strain studies, comparisons and potential antibacterial applications of conventional materials are welcome for submission.

Potential topics include, but are not limited to, the following:

- Antibacterial coatings for biomedical applications;
- Food packaging materials;
- Bio-based antibacterial composites;
- Antibacterial filters and membranes;
- Biodegradable antibacterial materials;
- Antifungal materials and coatings;
- Bacteria fouling and fouling prevention.





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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)