

Special Issue

Development and Application of Antimicrobials

Message from the Guest Editors

In the realm of healthcare, groundbreaking developments in the field of antimicrobials. These powerful agents, designed to combat microorganisms such as bacteria, viruses, and fungi, have become indispensable tools in the fight against infectious diseases. As the health challenges, the ongoing development and application of antimicrobials play a central role in shaping the future of medicine. One of the key areas of focus in antimicrobial development lies in addressing antibiotic resistance. Researchers are actively exploring innovative compounds and novel approaches to counteract this resistance, ensuring the continued efficacy of antimicrobials. From synthetic compounds to bioengineered solutions, the landscape of antimicrobial development is diverse and dynamic. Moreover, the application of antimicrobials extends beyond traditional medicine. With the advent of nanotechnology, researchers are exploring nano-sized antimicrobial particles that exhibit enhanced efficacy and targeted delivery, minimizing collateral damage to healthy cells. This precision in treatment marks a significant stride towards personalized medicine and more effective healthcare interventions.

Guest Editors

Dr. Virginia Fuochi
Dr. Pio Maria Furneri
Dr. Adriana Garozzo

Deadline for manuscript submissions

closed (21 January 2025)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/192115

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

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





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

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), PubMed, PMC, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)