

Special Issue

Antibacterial Treatment in Periodontal and Endodontic Therapy

Message from the Guest Editors

The removal of bacterial biofilms from the upper and inner surfaces of the teeth is the basis of systematic periodontal or endodontic therapy. In some cases, the use of an antibiotic effective against the individual microbial spectrum may be justified in order to control the disease processes and prevent the spread of inflammatory processes to other areas of the body. However, the possible side effects on the organism as a whole or even the development of resistance must not be disregarded. Alternative approaches such as antimicrobial photochemical, photodynamic, and photothermal methods use laser energy to exert a toxic effect on microorganisms. In the context of the treatment of periodontitis of different stages and grades as well as endodontic therapy measures, such procedures show promising results, especially in the adjunctive application to conventional approaches, and could therefore be a useful enhancement of previous periodontal and endodontic antimicrobial treatment measures. Therefore, this Special Issue aims to include actual studies on the use of antimicrobial therapy approaches in periodontal and endodontic therapy.

Guest Editors

Prof. Dr. Andreas Braun

Clinic for Operative Dentistry, Periodontology and Preventive Dentistry, RWTH Aachen University, 52074 Aachen, Germany

Prof. Dr. Felix Krause

Clinic for Operative Dentistry, Periodontology and Preventive Dentistry, RWTH Aachen University, 52074 Aachen, Germany

Deadline for manuscript submissions

closed (30 April 2022)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/84449

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

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





Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of
Wollongong, Wollongong, NSW 2522, Australia

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)