

## Special Issue

# Alternatives to Antibiotics in Dentistry

### Message from the Guest Editor

Antibiotics (and antiseptics) are highly effective in killing (planktonic) bacteria. However, severe side effects affecting patients' health may occur. Further, it is well known that the application of antibiotics is linked with the development of resistance. Thus, there is an urgent need to search for alternatives. These alternatives to the commonly used antimicrobial antibiotics might be probiotics, natural products, photodynamic therapy, inhibitors of virulence factors, new developments in antimicrobials, etc. This Special Issue focuses on research that compares potential alternatives with commonly used antimicrobials in dentistry. In vitro studies, studies using animal models, and clinical studies (including pilot studies or case series) are welcome. **Keywords:** slternatives to antibiotics; oral infections; natural products; probiotics; photodynamic therapy; inhibition of bacterial virulence

---

### Guest Editor

Prof. Dr. Sigrun Eick

Department of Periodontology, Laboratory of Oral Microbiology, School of Dental Medicine, University of Bern, Bern, Switzerland

---

### Deadline for manuscript submissions

closed (31 January 2021)



## Antibiotics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/46362](https://mdpi.com/si/46362)

*Antibiotics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[antibiotics@mdpi.com](mailto: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)