



Alternatives to Antibiotics in Dentistry

Guest Editor:

Prof. Dr. Sigrun Eick

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

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Message from the Guest Editor

Dear Colleagues,

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: alternatives to antibiotics; oral infections; natural products; probiotics; photodynamic therapy; inhibition of bacterial virulence





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Editor-in-Chief

Prof. Dr. Nicholas Dixon

School of Chemistry and
Molecular Bioscience, University
of Wollongong, Wollongong, NSW
2522, Australia

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.

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Antibiotics Editorial Office
MDPI, St. Alban-Anlage 66
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