

Special Issue

Evidence-Based Antibiotic Protocols and Digital Innovation in Oral Infection Management: Optimizing Use Through Teledentistry and Modern Diagnostics

Message from the Guest Editor

The global burden of oral diseases is growing. The plaque-associated biofilm and rising antibiotic resistance pose a challenge in management of oral infections. Timely antibiotic intervention is essential. Modern dentistry is integrating digital tools to enhance both disease prevention and care delivery. Teledentistry and telemedicine are playing an relevant role in early diagnosis, patient education, follow-up, and therapeutic monitoring.

The SI invites contributions of original research articles, reviews, and clinical reports. Topics include but are not limited to: Antimicrobial stewardship in dental settings; Qualitative and quantitative research on the determinants of antibiotic use and resistance; Rational antibiotic use related to oral and maxillofacial infections; Novel diagnostic tools and methods for assessing antibiotic resistance; Drug–drug interactions and pharmacotherapeutic considerations in dentistry; Antibiotic intake and its role in secondary infections of oral origin; Clinical signs of inappropriate antibiotic use in dental practice; The role of digital health, telemedicine, and teledentistry in infection prevention and antibiotic management.

Guest Editor

Dr. Manlio Santilli

Department of Innovative Technologies in Medicine and Dentistry,
University “G.d’Annunzio” of Chieti-Pescara, Chieti, Italy

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

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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

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