



Antibiotics and Alternative Treatments in Zoonosis Therapy

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Message from the Guest Editor

Dear Colleagues,

Antibiotic resistance is an increasing threat that compromises therapies of bacterial infections in humans and animals. Antibiotics are often administered without an adequate microbiological diagnosis that documents a bacterial infection. This irrational use of antibiotics has contributed to the selection of an increasing number of resistant strains able to cause infection in animals as well as their owners, breeders and consumers. Moreover, wild mammals and birds may be carriers of resistant bacteria that contaminate different environments and consequently affect people, pets and farm animals. Considering the difficulties to treat most bacterial infections, alternative therapies are welcome in veterinary and human medicine.

This Special Issue, characterized by a One Health perspective, will be devoted to research and review studies about antibiotic resistance in bacterial strains isolated from animals and humans. Studies about new antimicrobial therapies including alternative remedies such as essential oils and other natural products are welcome too.

Keywords: antibiotic-resistance; bacterial infections; humans; companion animals; farm animals; wild animals





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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 disciples 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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