



Positive and Negative Interactions between Classical Antibacterial, Antibiotics, Antifungals and Natural Products

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Message from the Guest Editor

Dear Colleagues,

Many natural products and their constituents exhibit synergistic interactions with classical antimicrobial agents already approved for clinical use. Despite this, treating bacterial or fungal infections with a combination of classical antimicrobials and natural products is very uncommon. Still, investigations are required to confirm positive interactions between antimicrobials and compounds from natural products that are responsible for the enhanced antimicrobial effects. On the other hand, the possible negative influence of natural products on the activity of disinfectants, antibiotics, and synthetic antimicrobial chemotherapeutics must also be considered. Therefore, this Special Issue focuses on all aspects of the possible interactions (synergistic and antagonistic) between classical antimicrobials and natural products, their ingredients, and synthetic or semi-synthetic derivatives of these ingredients.

Keywords: bacteria and fungi drug resistance, natural products, synergism, plant extracts, bee products





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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 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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