Special Issue

Natural Antimicrobial Agents

Message from the Guest Editor

Natural antimicrobial agents are substances sourced from nature, including plants, animals, and microorganisms, that can inhibit the growth of or kill harmful bacteria, fungi, and viruses. These agents can be produced from renewable resources, making them a sustainable alternative to synthetic preservatives.

Current research focuses on identifying the most promising natural compounds and understanding the mechanisms involved in treating bacterial infections, fungal infections, and viral infections.

Future directions for research should include assessing the safety and efficacy of these natural compounds in humans. Additionally, combining natural compounds with conventional antibiotics may offer synergistic effects and help to reduce side effects.

Based on this, this Special Issue will serve to showcase recent or new advancements in identifying, characterizing, and understanding the mechanisms of action of natural compounds with antimicrobial properties.

Therefore, we invite submissions of original research manuscripts that offer new insights into natural antimicrobial agents.

Guest Editor

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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