

## Special Issue

# Antimicrobial and Antioxidants Capacities: Application in Food Packaging

### Message from the Guest Editors

Food spoilage caused by microorganisms' activity is the most established cause of food degradation, making food unsafe for consumption and increasing food waste. The development of packaging with antimicrobial and antioxidant properties is a promising way to actively control both bacterial and fungal proliferation and oxidation that leads to food spoilage, resulting in an increase in shelf life. This Special Issue is open to contributions of original research articles and high-quality review articles related to the use of antioxidants and antimicrobial agents in food packaging. These include, but are not limited to, the following research topics: Polymers and biopolymers processing. Synthesis or extraction of antioxidant and antimicrobial agents. Coating or encapsulation of antioxidant and antimicrobial agents. Cytotoxicity of matrix polymer/active agents. Antioxidant and antimicrobial films from natural and synthetic sources. Technological approaches on the evaluation of active food packaging systems. Production processes of active packaging through green chemistry approaches. Packing polymers as protecting barriers.

### Guest Editors

Dr. M. Cidalia R. Castro

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### Deadline for manuscript submissions

closed (15 September 2024)



## Antioxidants

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Impact Factor 6.6  
CiteScore 12.4  
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## About the Journal

### Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of “oxidative stress” a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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### Editor-in-Chief

Prof. Dr. Alessandra Napolitano

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