# Special Issue

# Antimicrobial Food Packaging with Biodegradable Polymers: Preparation, Characterization and Applications

# Message from the Guest Editor

The development, fabrication, and usage of biodegradable polymer composites is a main area of research. The study of biodegradable polymeric composites has allowed researchers to develop multiple bio-based materials and develop varied packaging applications such as smart packaging, edible packaging, active packaging, antimicrobial food packaging, etc. In recent years, the global demand for safe, fresh, and minimally processed food has driven significant advances in food packaging technologies. Among these, antimicrobial food packaging has emerged as a promising solution to enhance food safety, extend shelf-life, and reduce food waste. By actively killing spoilage and pathogenic microorganisms on the food surface or within the package headspace, antimicrobial packaging materials offer an effective defense against microbial contamination during storage, distribution, and handling. Antimicrobial food packaging is an advanced and active packaging technology designed to extend the shelf-life of food.

#### **Guest Editor**

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## Deadline for manuscript submissions

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# Message from the Editor-in-Chief

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

#### Editor-in-Chief

#### Prof. Dr. Alexander Böker

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