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## Advanced Active Films for Food Packaging: Design, Properties and Applications

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (20 November 2025)**

### Message from the Guest Editor

Dear Colleagues,

Over the last few years, food packaging has been constantly evolving to protect foods from the environment—such as microbial contamination and environmental attacks—and to extend the shelf-life of packed products. Innovative designs and formulations for biodegradable food packaging with improved properties represent requirements to meet consumer needs. From an industrial point of view, this innovative packaging based on biobased materials must be economically viable and compatible with conventional production processes. Recently, different polymeric active packaging films have been developed with new antibacterial and antioxidant properties, along with improved thermal and barrier properties. This Special Issue aims to collect manuscripts dealing with novel approaches to the design, characterization, and modeling of active food packaging films with improved or novel properties such as antibacterial, antimicrobial, thermal, and barrier properties. A focus on the design of biodegradable packaging or on the development and application of innovative methodologies and modeling approaches is expected.



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## Message from the Editor-in-Chief

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