

Special Issue

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

Message from the Guest Editor

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.

Guest Editor

Dr. Nadege Follain

Laboratory PBS UMR 6270 CNRS, University Rouen Normandy, 76000 Rouen, France

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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