

## Special Issue

# Edible and Functional Films for Food and Biomedical Applications

### Message from the Guest Editors

This Special Issue highlights the latest advances in edible films and coatings, covering their functionalization, characterization, and applications in food and biomedicine. It addresses novel biopolymeric matrices and innovative processing strategies.

Materials of interest include natural polymers like carbohydrates, lipids, proteins, and composites; incorporation of active agents such as antimicrobials, antioxidants, vitamins, and emerging bioactives; and designing coatings with tailored mechanical, barrier, and controlled-release properties. We welcome research on applications to extend food shelf life, improve safety, sensory quality, and nutritional value, as well as interdisciplinary studies expanding into biomedical uses like wound healing, tissue regeneration, and drug delivery. Sustainability, biodegradability, biocompatibility, and scalability are key considerations. Both original research and reviews are encouraged, focusing on innovative, functional solutions to existing challenges.

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### Guest Editors

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### Deadline for manuscript submissions

20 September 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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