

Special Issue

Unlocking Circularity for Active Environmental Bio-Packaging Solutions

Message from the Guest Editors

This Special Issue seeks cutting-edge research on sustainable active bio-packaging derived from agri-food waste, exploring its environmental applications.

In line with our multidisciplinary approach, we invite contributions on innovative technologies for extracting and processing useful extracts, compounds, and polymers for active packaging, as well as studies evaluating packaging films' functionality, usability, and consumer perception.

We welcome research on edible films and coatings as carriers of living microorganisms, assessing their environmental impact regarding pollution prevention and biodegradability. Additionally, we are interested in studies modeling performance and degradation, analyzing the release of active compounds, and examining the implications for ecosystem services, biodiversity, and the circular economy, alongside relevant policies and economic aspects. We encourage submissions of experimental, theoretical, and practical findings, with detailed data and methodologies to enhance reproducibility and advance research in this field towards a more sustainable future.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).