

Special Issue

Bioplastics in the Environment

Message from the Guest Editor

Bioplastics have recently begun to form a big part of our everyday life as consumers and are expected to continue to do so at an exponential rate following various key legislations around the world imposing a ban on several types of conventional plastics. The goal of this special issue is to tackle some of the above issues in order to highlight the role of bioplastics under a circular economy framework. This SI, therefore, welcomes manuscripts on the following topics as regards to bioplastics:

- Biodegradable vs. compostable vs oxodegradable bioplastics;
- Conversion of organic wastes to bioplastics;
- Other novel materials to manufacture bioplastics;
- Aerobic and anaerobic biodegradability
- Lacks in the existing standards to assess their biodegradability
- Compostable bioplastics at the industrial scale
- Chemical recycling
- Impact of bioplastics on the recycling of conventional plastics
- Indexes to assess their biodegradation
- Economics of their production and use
- Life cycle analyses and carbon footprint of their production and use
- Microplastics generated from bioplastics
- Bioplastics in marine environments

Guest Editor

Dr. Dimitrios Komilis

Department of Environmental Engineering, Democritus University of Thrace, Kimmeria Campus, GR 671 32 Xanthi, Greece

Deadline for manuscript submissions

closed (31 December 2020)



Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



mdpi.com/si/47267

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

[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)





Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)



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

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy

2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

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).