

## Special Issue

# Microplastics in the Food Chain

### Message from the Guest Editors

Microplastics in the environment represent a new type of pollutant. It is known that microplastics can play the role of carrier for various drugs, biocides, and metals, but they can also carry microorganisms. At the same time, it has been shown that the close interaction between chemical contaminants and bacteria on microplastics can facilitate the horizontal transfer of resistance genes, thereby accelerating and spreading microbial resistance to antibiotics. The presence of microplastics in the environment, as well as the spread of antibiotic-resistant bacteria, represents an ongoing problem for many societies. In this Special Issue, we seek to cover the mapping of microplastics in the food chain. Thus, contributions which address all the latest methodological proposals, procedures, and methods concerning microplastics, from their source in wastewater, through the food chain, to humans themselves, are welcome. Papers which discuss antibiotic resistance in model bacteria will also be accepted.

---

### Guest Editors

Dr. Lucia Bírošová

Faculty of Chemical and Food Technology, Slovak University of Technology, 581243 Bratislava, Slovakia

Dr. Martina Valachovičová

Faculty of Nursing and Professional Health Studies, Slovak Medical University, 83303 Bratislava, Slovakia

---

### Deadline for manuscript submissions

closed (30 September 2021)



## Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 4.3  
Indexed in PubMed



[mdpi.com/si/76138](https://mdpi.com/si/76138)

*Life*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[life@mdpi.com](mailto:life@mdpi.com)

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





# Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 4.3  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

---

### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona  
Institute of Science and Technology, 08028 Barcelona, Spain

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)