

Special Issue

The Space Environment on Human Health and Disease

Message from the Guest Editors

Dear colleagues, Understanding how all aspects of the human body and its microbiome changes and adapts to space travel is essential to reach our goal of long-duration human exploration in low Earth orbit and beyond.

This Special Issue will solicit original research articles, reviews, and commentaries on the effects of spaceflight on astronauts' microbiome and physiology. Topics of interest include, but are not limited to:

Omics studies on the human microbiome during spaceflight and analog missions.

The effects of stress, diet, radiation, and altered gravity on the taxonomic and functional profiles of the microbiome.

Studies related to countermeasures, such as training regimes, diet, and probiotics, in maintaining a balanced astronaut microbiome.

The impact of spaceflight on bone health, immunity, cognitive function, cancer risk, anxiety, allergies and hypersensitivities, viral reactivation, and GI function (to name but a few).

Association studies between various space-related effects on astronaut health—for example, the microbiome and immune function, or the immune system and bone health, during spaceflight.

Guest Editors

Dr. Camilla Urbaniak

1. NASA Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91125, USA

2. ZIN Technologies Inc, Middleburg Hts, OH 44017, USA

Emily Seto

Honeybee Robotics, Altadena, CA 41070, USA

Deadline for manuscript submissions

closed (31 December 2023)



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/101941

Life

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

mdpi.com/journal/

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





Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
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, and other databases.

Journal Rank:

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