

## Special Issue

# Molecule Symmetry, Bioaerosol and Human Health

### Message from the Guest Editors

Over 70% of the earth's surface is covered by water, but in particular bubbles rising in saline water are able to generate one strand, bi-strand, and double-helix motions. These motions pose strong electric polarization and are subject to compression within sub-bubble vortices, thus assembling RNA and DNA. These are ejected into droplets forming capsid viruses and bacteria cells. Accumulation of microbes in droplets ejected by bursting bubbles, in combination with the microbial concentration at the air-water interface, which can exceed the subsurface concentration by orders of magnitude, contribute to bioaerosol formation. Bioaerosols significantly affect atmospheric processes by contributing to long-range vertical and horizontal transport, influencing atmospheric chemistry, physics and climate...

### Guest Editors

Prof. Dr. Katarzyna Zorena

Prof. Dr. Roman Marks

Prof. Dr. Charuvila T. Aravindakumar

### Deadline for manuscript submissions

closed (20 July 2022)



## Symmetry

an Open Access Journal  
by MDPI

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/48609](https://mdpi.com/si/48609)

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

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





# Symmetry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.3



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



## About the Journal

### Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

---

### Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. ICREA, 08010 Barcelona, Spain

2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)