

# Special Issue

## Rotation Effects in Relativity

### Message from the Guest Editor

Rotation and circular motion have always played a peculiar role in the development of scientific thought. While in the context of Aristotelian physics, circular motion was thought of as perfect and incorruptible, and the whole universe was represented as an ensemble of concentric rotating spheres, the peculiarity of rotation was recognized on experimental grounds, and not only as a philosophical speculation, at the beginning of the modern scientific era. In fact, in the framework of Newtonian physics, Foucault's pendulum provided spectacular evidence of the absolute character of rotation. Subsequently, in the context of the theory of relativity, the absolute character of rotation was emphasized by the Sagnac effect, which also stimulated a long and interesting debate on the foundations of relativity. [...] For more information, please visit [link](#).

---

### Guest Editor

Dr. Matteo Luca Ruggiero

Dipartimento di Matematica "G. Peano", Università degli studi di Torino,  
10123 Torin, Italy

---

### Deadline for manuscript submissions

closed (15 December 2019)



## Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.3



[mdpi.com/si/21122](https://mdpi.com/si/21122)

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

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





# Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.3



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



## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary *Universe* journal is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the editorial board, I extend my welcome to this new journal and look forward to hearing from the interested contributors and learning about their valuable research.

---

### Editor-in-Chief

Prof. Dr. Lorenzo Iorio

Ministero dell'Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari, BA, Italy

---

### 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), Astrophysics Data System, INSPIRE, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)