

# Special Issue

## Higgs and BSM Physics: 10th Anniversary of the Discovery of the Higgs Boson

### Message from the Guest Editors

This Special Issue aims to collect contributions dealing with every aspect (both from experimental and theoretical points of view) of the current and foreseen investigation on the properties of the Higgs boson and its connection to BSM physics. In particular, the scope is to put together a collection of both overview and original contributions dealing with state-of-the-art research, related in a broader view to the intriguing field of the Higgs sector and to its BSM extension, to be performed both at current (LHC) and future colliders as well as at other experimental facilities. For this purpose, we very much welcome, in particular, papers on the following: recent LHC experimental results, current and future innovative analysis strategies, reviews of the most accurate theoretical predictions of the production of the Higgs boson, theoretical investigation on BSM extensions of the Higgs sector, theoretical and experimental investigation of Effective Field Theory (EFT) approaches for BSM physics searches, projections of the Higgs boson theoretical predictions, and prospects for measuring its properties at future colliders.

---

### Guest Editors

Dr. Giuseppe Latino

Dr. Lorenzo Viliani

Dr. Jinmin Yang

---

### Deadline for manuscript submissions

closed (25 November 2022)



Universe

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.3



[mdpi.com/si/97688](https://mdpi.com/si/97688)

*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)