

# Special Issue

## Advances in Nuclear Astrophysics

### Message from the Guest Editors

The research field of *Nuclear Astrophysics* is relatively young and lies at the intersection of nuclear physics and astrophysics. These advancements, along with observations and theoretical developments, have greatly enhanced our understanding of several astrophysical scenarios, including stellar evolution and nucleosynthesis. However, several open questions remain. For instance, how do nuclei at drip lines behave? How and where are elements produced? How did nucleosynthesis occur in the first stars? How are stars born and how do they die? These and many more questions require further investigation and research. In the current Special Issue, we aim to provide an overview of the present status of nuclear astrophysics and its interplay with other research fields, such as astroparticle physics, gamma-ray astronomy, cosmology, isotopic abundances in meteorites, and the detection of gravitational waves. The study of these and other related topics are the goal of this special issue, [...] For further reading, please follow the [link](#) to the Special Issue Website.

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### Guest Editors

Dr. Ragandeep Singh Sidhu

Prof. Dr. Gavin Lotay

Dr. Jaspreet Singh Randhawa

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### Deadline for manuscript submissions

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## Universe

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## About the Journal

### Message from the Editor-in-Chief

The multidisciplinary journal *Universe* 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 Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

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### Editor-in-Chief

Prof. Dr. Lorenzo Iorio  
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,  
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