



universe



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## ΛCDM Cosmology: Pros and Cons

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**closed (30 September 2019)**

### Message from the Guest Editors

Dear Colleagues,

The  $\Lambda$ CDM model, or Concordance Model, is a successful model, describing the Universe's large-scale structure formation and evolution, the state of the early Universe, and the abundance of the different forms of matter and energy. It is in agreement with a plethora of observations, and its predictive power has been already checked against old and new discoveries (e.g., lensing of the CMB, B-mode polarization, and the kinetic SZ effect). However, these successes do not allow for us to state that the model is correct. It merely implies that deviations from  $\Lambda$ CDM are too small compared with the current observational uncertainties to be inferred from cosmological data alone. [...]

For more information, please visit [link](#).

Prof. Dr. Antonino Del Popolo

Prof. Dr. Morgan Le Delliou

*Guest Editors*



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# Special Issue



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## Editor-in-Chief

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## 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.

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