

Special Issue

Cosmology and Extragalactic Astronomy

Message from the Guest Editor

The striking observational data coming from the Planck mission and from the LIGO-VIRGO experiments have stimulated theoretical astrophysicists and cosmologists to focus more on the realistic models that describe our Universe on a local and global scale. The theoretical tools available offer a fertile ground for model building, and the quest is to find a viable description of our Universe. For this Special Issue, we invite specialists that are active in the fields of theoretical cosmology, theoretical astrophysics, and galactic-extra-galactic astronomy to contribute their latest insights in the form of a review or original research paper, in order to provide up to date theoretical presentations of realist models of our Universe, at both large and local scales. Prof. Dr. Vasileios Oikonomou

Guest Editor

Prof. Dr. Vasilis K. Oikonomou

Physics Department, Aristotle University of Thessaloniki, 541 24 Thessaloniki, Greece

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Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

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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

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