

Special Issue

New Challenges in Modified Gravity at Cosmological and Astrophysical Scales

Message from the Guest Editors

This Special Issue aims at collecting and exploring new work with regards to solving methods and analytical solutions in gravitation theory, with applications in astrophysics and cosmology.

Potential topics include, but are not limited to, the following:

Symmetries in modified gravity (e.g., Lie and Noether symmetries)

New exact and perturbative solving methods of the gravitational field equations

Analytical solutions in astrophysical and cosmological background

Conformal and disformal transformations connecting different theories of gravity

Construction of theories with extra dynamical fields

Dynamical systems approaches and methods in higher-order theories

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
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