

## Special Issue

# Cosmology and the Quantum Vacuum—2nd Edition

### Message from the Guest Editors

Contributions to this Special Issue, devoted to such important thematic topics, are expected from talks at the sixth edition of the workshop “Cosmology and the Quantum Vacuum”, but also from direct submissions. They should focus both on what we already know at the cosmological scale, which includes the extremely tiny ones pertaining to the birth of the cosmos; the facts we know for sure from laboratory experiments corresponding to this primordial epoch; and also the theories that are being proposed to reach the very origin of the Universe and to model its possible future. In order to advance towards such goals, we must start by addressing several urgent problems which standard and other seemingly well-established models have to face right now. Some of these problems are mainly related to the pending quantization of classical gravity, and others to the astronomical, observational side. These are so simple to formulate, and so difficult to measure. Contributions around any of these topics are welcome.

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### Guest Editors

Prof. Dr. Emilio Elizalde  
Prof. Dr. Martiros Khurshudyan  
Prof. Dr. Iver H. Brevik

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### Deadline for manuscript submissions

closed (10 June 2025)



## Galaxies

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## About the Journal

### Message from the Editorial Board

*Galaxies* provides an advanced forum for studies related to astronomy, astrophysics, and cosmology, including all of their subfields. Different formats, such as specialized research articles, reviews, communications and technical notes are welcomed. Manuscripts containing original and creative research proposals and ideas are especially appreciated.

We encourage scientists to publish their astronomical observations and theoretical results in as much detail as possible. There is no restriction on the paper length and full experimental and methodological details, as applicable, should be provided. All papers will be peer reviewed promptly. On behalf of the distinguished members of the editorial board, I extend my welcome to all researchers working on these subjects to contribute to *Galaxies*.

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### Editors-in-Chief

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