

Special Issue

Cosmoparticle Physics in the Light of Andrei D. Sakharov's Legacy

Message from the Guest Editor

We commemorate in 2021 100th Anniversary of Andrei D. Sakharov and UNESCO has nominated this year as the A.D. Sakharov year to celebrate his many achievement. "Cosmoparticle Physics as Cross-Disciplinary Science" is the last in the long list of Sakharov's publications, and thus, studies of the fundamental relationship of cosmology and particle physics continue his scientific legacy. Sakharov conditions in baryosynthesis, Sakharov oscillations in CMB or Sakharov enhancement in dark matter annihilation are only few examples of the great legacy of A.D. Sakharov in the modern theory of the Universe. This Special Issue aims to discuss the state-of-the-art in the development of Sakharov's legacy in studies of the mutual relationship of the basis of modern particle physics and cosmology, as well as the nontrivial features of its indirect physical, cosmological, and astrophysical probes. Such features involve but are not reduced to models of the very early Universe and their observational signatures, physics of dark matter and its direct and indirect probes, as well as to a wide range of models beyond the standard models of particle physics and cosmology and their effects.

Guest Editor

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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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