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Symmetry in Neutrino Physics and Astrophysics

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Neutrinos provide one of the most exciting opportunities to answer intriguing questions about the origin of the universe, the constitution of matter, and the laws governing the interactions and intrinsic properties of elementary particles. Neutrino research aims to determine neutrino absolute masses and their hierarchy, the existence of CP symmetry violation in the leptonic sector, which would help to explain matter–antimatter asymmetry, CPT and Lorentz Invariance violation, the mechanism through which neutrinos acquire mass, the source of astrophysical neutrinos, the interaction of neutrinos beyond the standard model of elementary particles, neutrinos as a means to better understand or control their own sources, and the list goes on. In this environment of constant confrontation of experimental data with theories and evolving ideas, it is crucial to always record through publication up-to-date information, research results, and new perspectives in this rich field of academic study. We hope that you will contribute with your valuable knowledge.

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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.

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