



## Recent Advances in Neutrino Physics

Guest Editor:

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### Message from the Guest Editor

Neutrino physics has marked a remarkable progress during the last decades. Namely we have witnessed experimental, observational and theoretical breakthroughs concerning determination of neutrino characteristic, detection of neutrino from different environments, deeper understanding of neutrino role in the Standard Model, neutrino role in astrophysics and in cosmology, etc.

This special issue will be dedicated to the latest research and advances in neutrino physics, neutrino astrophysics and cosmology. The topics will include:

- neutrino characteristics: masses, mixing, neutrino types, etc.
- neutrino oscillations results;
- neutrino from different sources: solar neutrino, atmospheric neutrino, geo-neutrinos, SN neutrinos, AGN neutrino, relic neutrino, etc;
- cosmological role of neutrino, including neutrino role as Dark Matter, baryogenesis through leptogenesis, etc.





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## Editor-in-Chief

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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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