



## QCD- and QED-Like Theories and Symmetry

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### Message from the Guest Editor

Dear Colleagues ,

The extension of the symmetry of the standard model of elementary particles involves abelian and non-abelian groups of symmetry that lead to various physical and cosmological effects of QCD-like and QED-like new physics. New types of particles, predicted in such models, can play the role of dark matter candidates, can possess QED and QCD charges, and can have new types of interactions with ordinary matter. The Special Issue is aimed to reveal various aspects of models involving new types of electrically charged and colored particles, or QED-like or QCD-like features.

Prof. Maxim Khlopov

*Guest Editor*





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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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