# Supersymmetry and Supersymmetric Field Theories

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## Message from the Guest Editor

Dear Colleagues,

The Special issue "Supersymmetry and Supersymmetric Field Theories" will cover the whole combined field of Supersymmetry applied to Supersymmetric Field Theories in its widest sense. As this represents the interface between mathematics and physics, the Special Issue should serve as a meeting place for theoretical and mathematical physicists and mathematicians. Certainly, one important aspect will be Superstring Theory. Other possible areas will be representation theory of various supersymmetric objects, supergravity, superconformal field theories, supersymmetric objects, super integrable systems, AdS/CFT, relativistic and nonrelativistic holography, gauge super field theories, noncommutative quantum theories, supersymmetry in dynamical systems, and supersymmetry in condensed matter and statistical physics.

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**Special** Issue

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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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