



## Symmetry in Continuum Mechanics and Dynamical Systems

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### Message from the Guest Editors

Dear Colleagues,

The present Special Issue covers most areas of Continuum Mechanics and Dynamical Systems that unify cinematic, dynamics, solid mechanics, fluid mechanics, thermodynamics, heat transfer, and the behavior of complex dynamical systems—all of which are core subjects of mechanical engineering. An important role in continuum mechanics is given by symmetry of the bodies' behavior and also by the symmetry of the solutions of the mixed boundary value problems.

The topics of interest for publication include but are not limited to elasticity, thermoelasticity, heat transfer, plasticity, fracture mechanics, dynamics, vibrations, wave propagation, rheology, fluid–structure interaction systems, Newtonian and non-Newtonian fluids, dynamical systems, stability, biomechanics, and micro- and nano-structures.

All interested researchers are kindly invited to contribute to this Special Issue with their original research articles, short communications, and review articles. Please note that all submitted papers must be within the general scope of the Symmetry journal.





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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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