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Principles of Variational Methods in Mathematical Physics

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Message from the Guest Editor

Dear Colleagues,

This Special Issue is devoted to the fundamental principles of variational methods, theoretical aspects related to main theorems and the multitude of variants for the mentioned results, together with the various problems in mathematical physics that are solved in such a way.

The aim of this Special Issue is to encourage scientists to publish their experimental and theoretical results in as much detail as possible; there is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced.

The main topics of this Special Issue:

- Fundamental variational principles—variants, related results, and applications;
- Minimax, mountain pass and saddle-point-type theorems and their applications;
- Main mathematical physics problems solved with the above statements;
- Numerical methods to achieve the passage from mentioned theory towards the design of the solutions for mathematical physics problems evolved from modeling real phenomena.

Interdisciplinary and/or multidisciplinary papers are welcome.

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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