

## Special Issue

# Computation Methods on Quantum Systems

### Message from the Guest Editor

Since the birth of the quantum theory as a framework to deal with the microscopic, their philosophical and mathematical nature has been a disruptive pathway that permeates on a lot of fields that appear to be disconnected. Nowadays, we recognize the mathematical methods and analytical facts of quantum mechanics as a set of rules, procedures, and understandings, thus helping us to solve problems regarding true quantum systems and analogues that seem to follow a similar nature and dynamical rules. This Special Issue, entitled "Computation on Quantum Systems", is intended to be a collection of wide-range results which report on the use of mathematical procedures and methods which aim to unravel the evolution and interactions of quantum systems, as well as similar analogues. The topics of which we expect works are regarded, but not limited to, solutions on dynamical equations; time-dependent and independent systems; operational approaches to quantum, classical, and hybrid systems; algebraic structures; group theoretical methods; and numerical analysis. We hope you find this proposal as a correct and exciting place to share your work.

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### Guest Editor

Dr. Alejandro R. Urzúa

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### Deadline for manuscript submissions

closed (28 February 2023)



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## About the Journal

### 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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### Editor-in-Chief

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