Topical Collection

Applications of Quantum Mechanics

Message from the Collection Editor

Quantum mechanics is one of the most prolific theories of all time. Despite the many controversies it has aroused since its conception, its predictions have been confirmed experimentally with incredible accuracy. It has also been used in a variety of fields, such as quantum economics (a very promising novel field of its application), quantum computation, quantum information science, quantum electronics, quantum cosmology, and quantum chemistry. This EC aims to include relevant entries and invite more scholars to contribute to related entries on the *Encyclopedia* platform. It's free of charge and each

Collection Editor

Prof. Dr. Marek Szopa

Department of Operations Research, College of Informatics and Communication, University of Economics in Katowice, ul. Bogucicka 3, 40-287 Katowice, Poland

submission will undergo a formal peer review process.



Encyclopedia

an Open Access Journal by MDPI



mdpi.com/si/105028

Encyclopedia
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
encyclopedia@mdpi.com

mdpi.com/journal/ encyclopedia





Encyclopedia

an Open Access Journal by MDPI



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Raffaele Barretta

Department of Structures for Engineering and Architecture, University of Naples Federico II, 80125 Naples, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 26.9 days after submission; acceptance to publication is undertaken in 4.5 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review and reviewer names are published annually in the journal.

