

## Special Issue

# The Close Connection between Economics and Quantum Theory: A Topological Exploration

### Message from the Guest Editors

This Special Issue will collect research that is being performed around applying elements of the formalism of quantum mechanics to the social sciences. There will be a particular focus on the key tenet(s) that rationalize(s) why the quantum formalism can be used in economics (in social choice and decision-making). As a central objective, this Special Issue will rigorously explore the foundational connections between economics and quantum theory.

---

### Guest Editors

Prof. Dr. Graciela Chichilnisky

Prof. Dr. Peter M. Eisenberger

Prof. Dr. Emmanuel Haven

Prof. Dr. Andrei Khrennikov

---

### Deadline for manuscript submissions

closed (31 July 2021)



## Quantum Reports

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.3  
CiteScore 3.0



[mdpi.com/si/48901](https://mdpi.com/si/48901)

*Quantum Reports*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[quantr@mdpi.com](mailto:quantr@mdpi.com)

[mdpi.com/journal/  
quantumrep](https://mdpi.com/journal/quantumrep)





# Quantum Reports

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.3  
CiteScore 3.0



[mdpi.com/journal/  
quantumrep](https://mdpi.com/journal/quantumrep)



## About the Journal

### Message from the Editor-in-Chief

We get more and more evidence that quantum theory is the correct description of nature. It was born a century ago by explaining a few paradoxical results that could not be understood in the framework of classical physics. Today, quantum physics leads technological revolution in metrology, communication, computation, and the design of novel materials. Still it needs more solid foundations, and we need to develop a deeper understanding of how it can be used for new applications.

*Quantum Reports* is an online, open-access journal providing an advanced forum for clarifying foundations of quantum theory and developing its applications in all fields of physics and technology. *Quantum Reports* is inviting innovative and insightful contributions from the growing community of researchers of quantum science.

---

### Editor-in-Chief

Prof. Dr. Lajos Diósi

1. Wigner Research Center for Physics, H-1121 Budapest, Hungary
2. Institute of Physics and Astronomy, Eötvös Loránd University, H-1117 Budapest, Hungary

---

### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus and other databases.

#### Journal Rank:

CiteScore - Q2 (Physics and Astronomy (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.8 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the second half of 2025).