



*entropy*



an Open Access Journal by MDPI

## Entropy in Quantum Systems and Quantum Field Theory (QFT) II

Guest Editor:

**Prof. Dr. Ignazio Licata**

1. ISEM Institute for Scientific  
Methodology, Via Ugo La Malfa n.  
153, 90146 Palermo, Italy  
2. School of Advanced  
International Studies on Applied  
Theoretical and Non Linear  
Methodologies of Physics, 70121  
Bari, Italy

Deadline for manuscript  
submissions:

**closed (30 July 2023)**

### Message from the Guest Editor

Dear Colleagues,

In these last few years, a growing interest has been expressed in entropic and informational aspects of quantum systems. In particular, we know that quantum entropy is an important index for nonlocal correlations and entanglement. Relaxation, dissipation, noise, and fluctuations in quantum open systems and in quantum field theory are concepts that run through all of physics, from elementary particles to cosmology. This Special Issue of *Entropy* is an invitation to scholars at deepening the theory and the applications of this important area of research.

Prof. Dr. Ignazio Licata  
*Guest Editor*



[mdpi.com/si/54694](https://mdpi.com/si/54694)

**Special** Issue



*entropy*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Kevin H. Knuth**

Department of Physics, University  
at Albany, 1400 Washington  
Avenue, Albany, NY 12222, USA

## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [PubMed](#), [PMC](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (Physics, Multidisciplinary) / CiteScore - Q1 (Mathematical Physics)

## Contact Us

---

*Entropy* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/entropy](http://mdpi.com/journal/entropy)  
[entropy@mdpi.com](mailto:entropy@mdpi.com)  
[X@Entropy\\_MDPI](#)