



*entropy*



an Open Access Journal by MDPI

## Statistical Learning in Computational Neuroscience and Neural Coding

Guest Editor:

**Dr. Cristina Savin**

Center for Data Science, New  
York University, New York, NY  
10011, USA

Deadline for manuscript  
submissions:

**31 August 2025**

### Message from the Guest Editor

This Special Issue aims to provide a forum for the presentation of new approaches for using information theory in the service of understanding principles of statistical learning at the computational level and the application of such tools to the study of the brain.

Topics of interest include, but are not limited to, the following:

- Mathematical modeling of brain computation or artificial neural systems;
- New statistical methods for neural data constructed based on information theoretic principles;
- Theoretical models of statistical learning;
- Information theoretic investigation of artificial intelligent systems;
- Neural coding.



[mdpi.com/si/209671](https://mdpi.com/si/209671)

**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](#)