



axioms



an Open Access Journal by MDPI

Advances in Fractional Order Information Measures and Applications

Guest Editors:

Dr. Suchandan Kayal

Department of Mathematics,
National Institute of Technology
Rourkela, Rourkela 769008,
Sundargarh, Odisha, India

kayals@nitrkl.ac.in

Prof. Dr. Maria Longobardi

Dipartimento di Biologia,
Università di Napoli Federico II,
80126 Napoli, NA, Italy

maria.longobardi@unina.it

Deadline for manuscript
submissions:

30 April 2023

Message from the Guest Editors

Dear Colleagues,

The notion of fractional calculus was born in the year 1695 when L'Hospital had a letter containing a thoughtful question for Leibniz. Though fractional calculus has been a topic of top-level mathematicians for a long period, presently it has become an important tool for studying the dynamics of several complex systems, which occur in different applications of science and engineering. Nowadays, the concept of fractional calculus, especially the concept of fractional order derivative has been applied to various basic information measures in order to introduce fractional order information measures. It has been noticed by researchers that the new concept of fractional order entropy has performed well, even better in some situations in comparing non-fractional order entropy measures. This Special Issue aims to promote the development of the concept of fractional calculus to information theory and its application in practice. Researchers working in this interdisciplinary field are welcome to submit their original research articles as well as review articles.



mdpi.com/si/148377

Special Issue