



New Advances and Applications of Extreme Value Theory

Guest Editor:

Prof. Dr. Natalia Markovich

V.A. Trapeznikov Institute of
Control Sciences of Russian
Academy of Sciences,
Profsoyusnaya str., 65, 117997
Moscow, Russia

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Message from the Guest Editor

In recent years probabilistic and statistical aspects of extreme value analysis have attracted the interest of many researchers due to their numerous applications in climate and atmospheric science, industrial risks, geosciences, hydrology, finance, economics and insurance, biosciences, physics, and telecommunications and stochastic networks.

As extremal events may lead to tremendous risks, the actuality of the intensive development of both extreme value theory and its practical outcomes is evident.

This Special Issue of *Mathematics* is devoted to new theoretical advances and applications in extreme value theory. It expects to receive contributions by applied mathematicians of various profiles in the form of scientific articles showing their achievements and confirming the relevance of their current and future research.

The aim of this Special Issue is to collect articles that develop methods for modeling, forecasting, and nonparametrically estimating extremal characteristics based on incomplete data and in the presence of heavy tails of the underlying distributions.





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Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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Mathematics Editorial Office
MDPI, St. Alban-Anlage 66
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