Recent Advances and Applications of Mathematical and Reliability Models

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Message from the Guest Editors

Dear Colleagues,

The recent developments in mathematics and computer science have largely led to benefits in many industrial tasks in different fields. In order to solve various problems in the current industry, it is necessary to understand the phenomenon and abstract the laws that govern it through mathematical modeling, and in this process, reliability must be improved using mathematical and reliability models. This Special Issue invites high-quality and original research on mathematical and reliability models from a variety of recently accessible fields to solve practical challenges in related fields. The topics of interest include, but are not limited to, the following:

- Applied computing;
- Applied mathematics;
- Machine learning;
- Neural networks;
- Deep learning;
- Bayesian method;
- Computational methods;
- Censoring;
- Statistical methods in reliability;
- Reliability modeling and optimization;
- Applied mathematics in reliability;
- Mathematical modeling in engineering ;
- Field data analysis.

Special Issue

Editor-in-Chief

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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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