Special Issue

Advances in Reliability Modeling, Optimization and Applications

Message from the Guest Editor

The Special Issue of Mathematics entitled "Advances in Reliability Modeling, Optimization and Applications" would be focused on the development and application of new mathematic methodologies for the enhancement of reliability systems in multiple fields such as electronics and industrial engineering among others. Other objective is to foster a rich exchange among researcher and practitioners in the engineering, mathematics and statistics community. An interesting aspect to take into account is the development of new methodologies to solve real-life problems which could cause significant damage. The following topics are within the scope of this special issue: methods for reliability and probabilistic safety assessment, matrix-analytic methods in reliability, complex systems, non-parametric methodology in reliability, engineering judgement and expert opinions; maintenance policies, models for ageing and life extension, dynamic reliability, methods and applications of automatic fault detection and diagnosis, repairable systems and repairment policies, design innovation for safety and reliability, order reliability methods, and coherent systems.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2022)

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About the Journal

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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