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Mathematical, Statistical, and Soft Computing Methods for Uncertainty Management

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Message from the Guest Editors

This Special Issue will accept papers in the following (not exclusive) list of topics of interest:

1. Bayesian statistics methods with application in robust parameter estimation in physics, computational, natural, and social sciences;
2. Fuzzy logic methods to deal with the uncertainty of parameter or probability function in physics, computational, natural and social sciences;
3. Development of soft computing methods in Bayesian, fuzzy logic, or other quantitative areas that deal with model uncertainty;
4. Developments of theoretical Bayesian statistics methods and related philosophical discussions;
5. Development of theoretical fuzzy logic and related philosophical discussions;
6. Development of soft computing models to deal with uncertainty, such as, Markov-chain Monte Carlo, artificial intelligence, data science algorithms, or computational uncertainty modeling;
7. Statistical uncertainty models applied in economics, econometrics, finance, management, biology, chemistry, health sciences, sociology, psychology or any social or natural science;
8. Optimization or optimal control methods that incorporate uncertainty in their estimation;
9. Other related topics.

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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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