Mathematical, Statistical and Inverse Problems in Geophysics

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Message from the Guest Editor

Dear Colleagues,

This Special Issue, "Mathematical, Statistical and Inverse Problems in Geophysics" aims to explore the theoretical and practical applications of mathematical and statistical tools to overcome the challenges of data uncertainty, complex geological structures, unpredictable natural events, and inverse problems in the field of geophysics. It also seeks to encompass papers that address how inversion techniques can be used to analyze and interpret geophysical data, predict natural phenomena, and improve the understanding of the Earth's physical properties and processes. We welcome submissions of manuscripts addressing either the current or future development trends in this field.

The topics of interest for this Special Issue include, but are not limited to, the following:

- Differential equation for modeling geophysical data;
- Computer modeling in geophysical research;
- Nonlinear statistical process in geophysics;
- Inverse problems in geophysics.

Special Issue

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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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