



## Advances in Differential Analysis and Functional Analysis

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### Message from the Guest Editors

The historical roots of Functional Analysis lie in the study of the spaces of functions and in the formulation of the properties of operator transformations between function spaces. This point of view has been particularly useful in the study of differential and integral operators. This area of mathematics has both an intrinsic beauty, which we hope to convey to the reader, and a vast number of applications in many fields of mathematics. These include the analysis of PDEs, differential topology and geometry, symplectic topology, quantum mechanics, probability theory, geometric group theory, dynamical systems, ergodic theory and approximation theory.

This Special Issue is not restricted to the following list and welcomes papers on any remarkable properties or applications in the field of Differential Analysis and Functional Analysis.





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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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