

Special Issue

New Advances in Complex Analysis and Functional Analysis

Message from the Guest Editor

This Special Issue, “New Advances in Complex Analysis and Functional Analysis”, is devoted to the publication of high-quality research, especially that relating to geometrical aspects and harmonic as well as quasiconformal mappings, pure mathematical tools in functional analysis and applications (including applications in allied areas of mathematics and mathematical sciences). It will provide a forum for researchers and scientists to communicate their recent developments and present recent results in the theory of complex analysis of one and several variables, in addition to applications in algebraic geometry, number theory, and physics, including the branches of hydrodynamics and quantum mechanics. The research topics include, but are not limited to, the following:

- Complex analysis and potential theory.
- Partial differential equations.
- Geometrical aspects of complex analysis.
- Complex approximation theory.
- Harmonic and quasiconformal mappings.
- Generalized complex analysis.
- Complex dynamical systems and fractals.
- Entire and meromorphic functions.
- Functional equations.
- Geometry of Banach spaces.
- Linear operators.
- Topological vector spaces.

Guest Editor

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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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Prof. Dr. Francisco Chiclana

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).