Special Issue on Functional Analysis and Applications

Call for Papers

Functional analysis is a branch of mathematical analysis, the core of which is formed by the study of vector spaces endowed with some kind of limit-related structure and the linear functions defined on these spaces and respecting these structures in a suitable sense. The historical roots of functional analysis lie in the study of spaces of functions and the formulation of properties of transformations of functions such as the Fourier transform as transformations defining continuous, unitary etc. operators between function spaces. This point of view turned out to be particularly useful for the study of differential and integral equations.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on functional analysis and applications. Potential topics include, but are not limited to:

- Linear functions and vector spaces
- Spectral theory
- Functional differential equation
- Functional integral approach
- Formulation of properties of Fourier transform
- Uniform boundedness principle
- Functional calculus and functional operators

Authors should read over the journal’s For Authors carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal’s Paper Submission System.

Please kindly notice that the “Special Issue” under your manuscript title is supposed to be specified and the research field “Special Issue – Functional Analysis and Applications” should be chosen during your submission.

According to the following timetable:

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For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

APM Editorial Office