Analytic Functions and Nonlinear Functional Analysis

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Message from the Guest Editor

Infiniteimensional holomorphy is an important part of modern nonlinear functional analysis. It involves analytic functions theory, topological spaces and algebras of analytic functions, tensor products, operator theory, linear and nonlinear dynamics, Lie groups, combinatorics, and other branches of contemporary mathematics.

In this Special Issue, we will cover the field of algebras and spaces of analytic functions of finitely and infinitely many variables, algebraic and topological structures of the spectra of algebras of analytic functions on Banach spaces, the properties of symmetric topological tensor products of locally convex spaces, and problems related to the transitivity of linear and analytic operators on function spaces.

The purpose of this Special Issue is to gather a collection of articles reflecting new trends in analytic functions theory on infinite dimensional spaces, and related topics of nonlinear analysis. We welcome original research papers or review articles related to this area.

Special Issue