

## Special Issue

# $p$ -adic Analysis and $q$ -Calculus with Their Applications

### Message from the Guest Editors

This Special Issue focuses on the applications of the  $p$ -adic analysis and  $q$ -calculus to various fields of number theory that deal mainly with mathematical analysis of functions of  $p$ -adic numbers in mathematics and the theory of  $p$ -adic strings and quantum mechanics, and the theory of complex disordered systems-spin glasses in physics. Potential topics include but are not limited to the following:

- $q$ -umbral analysis
- $q$ -Sheffer polynomials
- $q$ -difference equations
- $q$ -calculus in operator theory
- $p$ -adic zeta functions
- $p$ -adic  $q$ -integrals with applications
- $p$ -adic mathematical physics

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### Guest Editors

Dr. Serkan Araci

Prof. Dr. Martin Bohner

Dr. Roberto B. Corcino

Dr. Sunil Dutt Purohit

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### Deadline for manuscript submissions

closed (30 November 2021)



## Axioms

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## About the Journal

### Message from the Editor-in-Chief

*Axioms* is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Humberto Bustince

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