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p-adic Analysis and q-Calculus with Their Applications

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Deadline for manuscript
submissions:
30 April 2021

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

SpecialIssue