Editorial

\textbf{p-Adic Analysis with \textit{q}-Analysis and Its Applications}

\textbf{CheonSeoung Ryoo, Taekyun Kim, A. Bayad, and Yilmaz Simsek}

1 Department of Mathematics, College of Natural Sciences, Hannam University, Daejeon 306-791, Republic of Korea
2 Department of Mathematics, College of Natural Science, Kwangwoon University, Seoul 139-704, Republic of Korea
3 Département de Mathématiques, Université d’Evry-Val-d’Essonne, Boulevard F. Mitterrand, 91025 Evry Cedex, France
4 Department of Mathematics, Faculty of Sciences, Akdeniz University, 07053 Antalya, Turkey

Correspondence should be addressed to CheonSeoung Ryoo, ryoocs@hnu.kr

Received 21 November 2012; Accepted 21 November 2012

Copyright © 2012 CheonSeoung Ryoo et al. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Bernoulli numbers, Bernoulli polynomials, and Euler numbers, Euler polynomials were studied by many authors. Bernoulli numbers, Bernoulli polynomials, Euler numbers, and Euler polynomials possess many interesting properties and arise in many areas of mathematics and physics. These numbers are still in the center of the advanced mathematical research. Especially, in number theory and quantum theory, they have many applications.

\textit{p-Adic} analysis with \textit{q}-analysis includes several domains in mathematics and physics, including the number theory, algebraic geometry, algebraic topology, mathematical analysis, mathematical physics, string theory, field theory, stochastic differential equations, quantum groups, and other parts of the natural sciences.

The intent of this special issue was to survey major interesting results and current trends in the theory of \textit{p-}adic analysis associated with \textit{q}-analogs of zeta functions, Hurwitz zeta functions, Dirichlet series, \textit{L}-series, special values, \textit{q}-analogs of Bernoulli, Euler, and Genocchi numbers and polynomials, \textit{q}-integers, \textit{q}-integral, \textit{q}-identities, \textit{q}-special functions, \textit{q}-continued fractions, gamma functions, sums of powers, \textit{q}-analogs of multiple zeta functions, Barnes multiple zeta functions, multiple \textit{L}-series, and computational and numerical aspects of \textit{q}-series and \textit{q}-analysis.

The Guest Editors and Referees of this special issue are well-known mathematicians that work in this field of interest. Thus, we got the best articles to be included in this issue.
The results and properties of accepted papers are very interesting, well written, and mathematically correct. The work is a relevant contribution in the field of applied mathematics.

CheonSeoung Ryoo
Taekyun Kim
A. Bayad
Yılmaz Simsek