New Trends in Function Spaces and Partial Differential Equations: Theory and Applications to Physical Processes

Guest Editors:

Prof. Dr. Ruggieri Marianna
Faculty of Engineering and Architecture, University of Enna "KORE", 94100 Enna, Italy

Dr. Andrea Scapellato
Dipartimento di Matematica e Informatica, Università degli Studi di Catania, Viale Andrea Doria 6, 95125 Catania, Italy

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Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to collect and announce the recent trends and improvements in the theory of function spaces and partial differential equations. Papers dealing with issues in the contexts of both standard and non-standard function spaces with possible applications to partial differential equations are welcome. This Special Issue also covers studies on deterministic and stochastic partial differential equations that describe physical and biological processes. In view of this wide spectrum of topics, papers that deal with theoretical aspects as regularity, existence, uniqueness as well as both analytic and numerical methods for the analysis of solutions will be considered. Moreover, the Special Issue will cover a wide range of mathematical problems in modern applied sciences with particular regards to classical and continuum models from an impressive array of disciplines, including: mathematical physics, biology, engineering problems, fluid and solid mechanics, physics and computer science......

Prof. Ruggieri Marianna
Dr. Andrea Scapellato
Guest Editors

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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