Editorial

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International Journal of Applied and Computational Mathematics is a multidisciplinary broad-based journal covering all branches of numerical, computational, applied and pure mathematics. This journal is concerned with those mathematical methods which are evidently necessary for the further understanding and thorough analysis of actual problems in the applied sciences and engineering. The primary aims of this journal are to provide a forum for the expression of creative approaches, new findings and ideas as well as to disseminate knowledge through exposition of interdisciplinary subjects. It will also attract special attention to a wide number of researchers for theoretical mathematical science and mathematical computing problems. It covers all primary areas of applied mathematics like numerical analysis, linear and nonlinear programming, optimization, theory of computation, control theory, theory of algorithms, computer science, graph theory, stochastic models, operation research, applied combinatorics, fuzzy theory with applications, and differential equations with applications, etc. It also includes areas of mathematical physics, computational methods, mathematical modeling, fluid dynamics, quantum mechanics, science, mathematical biology, mathematical economics and finance, and nonlinear science and complexity. It will be fostering the interface in physics, engineering, chemistry, biology, operations research, statistics and stochastic processes with applied and computational mathematics. It publishes original research work in the fields of computational mathematics with significant applications to sciences and engineering.

Very few numbers of journals are available worldwide for the enhancement of researchers for theoretical mathematical science and mathematical computational problems. The objective of the journal is the publication of original research in applied and computational mathematics, with interfaces in physics, engineering, chemistry, biology, operations research, statistics, finance and economics. The major goal of the journal is the publication of new research results on computational methods in sciences and engineering. Papers describing and analyzing new computational techniques for solving scientific or engineering problems

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with improved analysis, including the effectiveness and applicability of existing methods and algorithms is main interest of the journal.

The editorial board consists of 23 distinguished professors around the globe who have immense expertise in numerous fields of science and engineering such as mathematical physics, computational methods, mathematical modeling, fluid dynamics, quantum mechanics, mathematical biology, mathematical economics and finance and many more. Their research areas comprise of fractional calculus, differential equations, wavelet transforms, stochastic differential equations, integral equations, nuclear reactor kinetics with simulation, numerical analysis, operations research, mathematical modelling, mathematical physics, computer applications, nuclear engineering and others.

The present issue has addressed recent trends and developments regarding the efficient computational methods that may be used in various physical models. In this issue, some realistic EOQ models and time dependent inventory system are analysed. It may be expected that the present issue would certainly helpful to explore the researchers with their efficient solution methods for those problems in use nowadays.

Santanu Saha Ray
Editor-in-Chief