Preface

In the last decade, it has been proven in several research papers that, mathematical tools are rather power in describing real world problem in all fields of science, technology and engineering. Various mathematical models that examine real world problems have been studied and developed with the aim of predicting the future. Due to the wider applicability of these tools, research observes that the field of applied sciences is a rapidly growing discipline and has engaged the minds of researchers. The recently developed mathematical models bear certain kinds of complexities. Therefore new methods have been elaborated for observing the properties of intricated models accurately. Moreover, comprehensive information about the models have been found by modifiying the existing methods in literature. By means of the outstanding increase in information, such findings uncover new aspects and properties of real world problems. In addition, structural changes of models and technical improvements in practices brought out novel challenging issues. Such challenges have resulted in new and modified methods. Therefore, the studies in such fields are essential and meaningful in understanding the diverse aspects of the models.

This special issue aims at addressing these interesting research matters in the field of applied and engineering sicences. The main source of the articles in this special issue were the selected papers from those presented at the Second International Conference on Computational Mathematics and Engineering Sciences (CMES2017), which was held on May 20-22, 2017, in Istanbul, Turkey. During CMES2017, several various papers related to applied and engineering sicence have been presented. In this special issue, we have received 12 manuscripts based on rigorous reviews. This special issue has greatly benefited from the cooperation among the authors, reviewers, and editors.

We would like to express our sincere gratitude to Moulay Ismail University and Firat University for organizing CMES2017 Conference and all the authors for their contributions, which has made this special issue possible.

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