www.amcm.pcz.pl

p-ISSN 2299-9965 e-ISSN 2353-0588

PREFACE

With great pleasure, we offer you this Special Issue of the Journal of Applied Mathematics and Computational Mechanics, with the title "Advances in Fractional Calculus and Its Applications: Emerging Trends and Challenges". As the principal guest editor, it gives me great pleasure to present the work of scholars from all over the globe who have contributed to this volume, demonstrating the relevance of fractional calculus to many different areas of science and technology.

This special edition comprises a total of ten articles authored by scholars from a diverse array of nations, including Kingdom of Saudi Arabia, Egypt, United Arab Emirates, Jordan, Lebanon, Nigeria, United Kingdom, Morocco, Senegal, Iran, China, South Africa, Poland, Pakistan, and Turkey. From engineering and finance to biology and machine learning, the subjects covered span from control systems and fractional differential equations to their applications. Every article provides helpful context for understanding current trends and difficulties in fractional calculus.

The success of this special issue would not have been possible without the contributions of the writers, reviewers, and editorial staff. We extend our best wishes to this compilation in its endeavor to promote further collaboration and research in the field of fractional calculus and its practical applications.

Sania Qureshi
Editor of the Special Issue
Advances in Fractional Calculus and Its Applications:
Emerging Trends and Challenges