Preface

About the conference ICAAM2018

This issue is a collection of 14 selected papers. These papers are presented at the Fourth International Conference on Analysis and Applied Mathematics (ICAAM 2018) organized by Near East University, Lefkosa (Nicosia), Mersin 10, Turkey. The meeting was held on September 6–9, 2018 in North Cyprus, Turkey.

The main organizer of the conference is Near East University, Nicosia (Lefkosa), Mersin 10, Turkey. The conference was also supported by Institute of Mathematics and Mathematical Modeling, Almaty, Kazakhstan.

The conference is organized biannually. Previous conferences were held in Gumushane, Turkey in 2012; in Shymkent, Kazakhstan in 2014; and in Almaty, Kazakhstan in 2016. The proceedings of ICAAM 2012, ICAAM 2014, and ICAAM 2016 were published in AIP Conference Proceedings (American Institute of Physics) and in some rating scientific journals.

Near East University was pleased to host the fourth conference which was focused on various topics of analysis and its applications, applied mathematics and modeling.

The main aim of the International Conferences on Analysis and Applied Mathematics (ICAAM) is to bring mathematicians working in the area of analysis and applied mathematics together to share new trends of applications of mathematics. In mathematics, the developments in the field of applied mathematics open new research areas in analysis and vice versa. That is why, we planed to found the conference series to provide a forum for researches and scientists to communicate their recent developments and to present their original results in various fields of analysis and applied mathematics.

This issue presents papers by authors from different countries: Albania, Bulgaria, France, Libya, Russia, Turkey, Turkmenistan, USA, Kazakhstan. Especially we are pleased with the fact that many articles are written by co-authors who work in different countries. We are confident that such international integration provides an opportunity for a significant increase in the quality and quantity of scientific publications.

Finally, but not least, we would like to thank the Editorial board of the "Bulletin of the Karaganda University. «Mathematics» series", who kindly provided an opportunity for the formation of this special issue.

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