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Editorial

Mathematics and Its Applications in Science and Engineering

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This book contains the successful submissions [1–19] of those invited to participate in a Special Issue of *Mathematics* on "Mathematics and Its Applications in Science and Engineering". These submissions were presented at the II. International Conference on Mathematics and its Applications in Science and Engineering (ICMASE), organized by the Universidad de Salamanca (Spain), which took place 1–2 July 2021.

These papers are related to new and innovative proposals for the use of mathematics in science and engineering, as well as in non-mathematical contexts; and applications of mathematics in tasks such as the use of differential equations to model structures, the shape of a machine or the growth of a population, or to ensure information security through cryptographic protocols.

Nowadays, *Mathematics* provides useful tools for engineering students, teachers, and professionals. It contains state-of-the-art research, which is of particular importance, as mathematical education has been changing and acquiring a different role in undergraduate and graduate degrees in recent years. The goal of this book, apart from its scientific contribution, is to integrate different methodologies for mathematical education.

Our call for submissions received the following response:

Submissions (40);
Publications (19);
Rejections (21);
Article types: Research Articles (19).

Published submissions are related to mathematical modelling in science and engineering applications; optimisation and control in engineering applications, complex systems modelling, stochastic models in physics and engineering, numerical methods for science and engineering applications; mathematics in engineering and scientific studies, good practices in motivating students to learn mathematics during university studies, assessing mathematics using applications and projects, and teaching and assessment methodologies in science and engineering, among other topics.

We found the selection and editorial process for the papers for this book very inspiring and rewarding. We would like to thank the editorial staff and reviewers for their efforts and help during the process.

Conflicts of Interest: The authors declare no conflict of interest.

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