

## Preface

As we all know, in the last few years, functional materials and materials engineering have played an important role in the progress of human society and research of scholars in the related field has accumulated a treasure of accomplishments and promoted the development of academic studies, meanwhile, researchers are faced with a lot of problems.

Under such background, 2016 2<sup>nd</sup> International Conference on Smart Material Research (ICSMR 2016) was held during September 22-24, 2016 in Istanbul, Turkey, with the purpose of being a great platform for researchers and engineers in the areas of materials engineering to report the latest achievements of research efforts, to discuss the wide range of problems encountered at present face to face, and to be inspired and enlightened by the works of others.

The activities of the conference included invited speeches and oral presentations in sessions, including poster presentations. The invited talks were focused on the potential application of smart material in various fields.

This collection consists of 29 peer-reviewed papers, in combination with a few selected papers from 2016 International Conference on Innovative Engineering Materials, which was held during August 20-22, 2016 in Singapore. The volume is divided into 7 chapters which included results of researches of biocomposite materials, materials for biomedical application, functional ceramics, materials for opto- and microelectronics, materials for energy storage application, functional coatings and films, steel, alloys, building materials.

We believe the volume will be essential reading for those in the related areas and will provide an inspiration for future studies and advancement.

We'd like to express our gratitude to all the members of conference committee, and the reviewers who spared their valuable time, for their advice which have certainly helped to improve the quality, accuracy, relevance and the sincere efforts to maintain the quality of each paper selected for this conference program and volume for publication.

Prof. Osman Adiguzel, Firat University, Department of Physics, Turkey  
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