

# Preface

The 4<sup>th</sup> International Conference on Material Engineering and Manufacturing (ICMEM 2020), the 3<sup>rd</sup> International Conference on Materials Design and Applications (ICMDA 2020), and the 2<sup>nd</sup> International Conference on Biomacromolecules and Biomimetic Materials (ICBBM 2020) were held successfully on remote in Tokyo, Japan during April 10-13, 2020.

The vibrant academic atmosphere at the conference promoted exchanges of scientific and technological ideas, and created the basis for future partnerships among the participants who came from different countries and disseminated recent developments in the field of material engineering and manufacturing, materials design and applications, and biomacromolecules and biomimetic materials.

On behalf of the organizing committee, it is our great honor to announce the conference proceedings, which proudly gather 27 selected high-quality papers presented at the conference. All of the papers were subjected to peer-review by conference committee members and international reviewers. The papers selected for the proceedings are owing to their quality and relevancy to the conference. We hope that the conference proceeding will provide useful information for researchers, practitioners and readers.

We'd like to express our gratitude and appreciation to the Conference Technical Committee and reviewers for their great contributions to the conference success. Meanwhile, we appreciate that distinguished speakers and participants share their knowledge.

Last, we hope that the contents of this volume will be useful for researchers and practitioners in developing and applying new technologies and processes in the relevant fields as mentioned above toward future endeavors. We hope that this conference will grow up to further collect high-quality papers.

**Prof. Takashige Omatsu**

Chiba University, Japan

**Prof. Hongqi Sun**

Edith Cowan University, Australia

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