

Preface

The proceedings contain the accepted and presented papers of 6th International Conference on Biotechnology and Agriculture Engineering (ICBAE 2024) held in Tokyo, Japan during October 9-11, 2024.

In the coming decades, the world food structure will face huge challenges to feed its large and growing population. The influence factors include on-going growth of the world population, the limited availability of natural resources, and climate change. The ICBAE 2024, as one of the premier forums for presenting developments in the field, aimed to bring together leading scientists and researchers around the world to discuss the priority topics for biotechnology and food science in recent years.

One of key focuses of the ICBAE 2024 was to explore the innovative applications of biotechnology in agriculture, including crop improvement, sustainable practices, and pest management. By highlighting cutting-edge research and advancements, we aim to inspire and promote the development of biotechnological solutions that can tackle pressing agricultural challenges and enhancing food security. In addition to the technical program, the conference also provides networking opportunities, allowing participants to connect with peers, establish collaborations, and forge partnerships in the field.

I extend my gratitude to all the researchers, authors, presenters, and participants for their invaluable contributions to this conference. I would like to express gratitude to the reviewers and the program committee for their meticulous evaluation of the submissions, ensuring the highest quality of research presented at the ICBAE 2024.

I hope that these proceedings will be beneficial as your reference and that the information in this volume will be useful for further advancements in both research and industry for you in biotechnology and agriculture engineering.

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