

Preface

With great pleasure, we are introducing the World Sustainable Construction Conference (WSCC) 2021, yet another series of rewarding conferences this year. It has collectively four events organized successfully under the same group of people with a great vision ahead.

- 5th National Conference on Wind and Earthquake Engineering (NCWE)
- 3rd National Seminar on Sustainable Construction Engineering (NSSCE)
- 3rd International Conference on Agricultural Technology Engineering and Environmental Sciences (ICATES)
- 1st Water Symposium (WS)

Due to the ongoing pandemic, all the events were held online. These proactive measures were taken to minimize the physical contact among participants and to curb the spreading of COVID-19. The decision to hold the virtual conference was made after mutual consent was received from all the collaborators. Yet WSCC did not fail to draw participants across the region, including Indonesia, India, Pakistan, China, Bangladesh, Vietnam, Thailand, and Japan. We from the organizing team were overwhelmed and felt privileged when was given the opportunity to organise the World Sustainable Construction Conference (WSCC), which was held virtually at the Chancellery Hall of Universiti Malaysia Pahang (UMP) on the 15th and 16th October 2021.

This virtual conference was organised with support of Universiti Sains Malaysia, Chongqing University, China, the Tokyo Polytechnic University, Beijing Jiaotong University, Universitas Syiah Kuala, Indonesia, and the Arba Minch University. The papers submitted were more than 100, and fellow reviewers have put their heart and soul into making sure only the best quality research and technical papers were selected for virtual presentation and publication. In line with the theme of the conference "*Beat the Odds*", WSCC 2021 has seen many successes in providing a common platform to discuss issues, challenges, opportunities and technologies relating to construction engineering, advanced materials, agricultural, environment and water.

This volume of conference proceedings not only has a good selection of refereed papers but there are more to it. You will find a compilation of 4 keynote lectures given by Professor Dr. Yukio Tamura, a prominent professor at the Chongqing University, China, Professor Dr. Shuyang Cao from Tongji University, China, Professor Dr. Guoqing Jing from the Beijing Jiaotong University, and finally Dr. Ichwana Ramli, from Universitas Syiah Kuala, Indonesia. Many of the keynote topics discussed here were highly relevant and triggered healthy discussions and sharing of knowledge among participants.

The World Sustainable Construction Conference (WSCC) also served as a new platform for researchers and scholars from different disciplines interested in sustainable construction, advanced materials, and environmental sciences to share and discuss their research findings. Finally, on behalf of the organizing committee, I would like to thank all the presenters and participants for their great support. Last but not least, let us join our hands together in supporting and thanking our front liners battling the COVID-19 pandemic.

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