Preface

Due to recent pandemic, 2021 6th International Conference on Materials Science, Energy Technology and Environmental Engineering (MSETEE 2021) was held virtually online during August 13-15, 2021. The decision to hold the virtual conference was made in compliance with many restrictions and regulations that were imposed by countries around the globe. Such restrictions were made to minimize the risk of people contracting or spreading the COVID-19 through physical contact. There were 60 individuals who attended this online conference, represented many countries.

MSETEE 2021 is to bring together innovative academics and industrial experts in the field of Materials Science, Energy Technology and Environmental Engineering to a common forum. The primary goal of the conference is to promote research and developmental activities in Materials Science, Energy Technology and Environmental Engineering and another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working all around the world. The conference will be held every year to make it an ideal platform for people to share views and experiences in Materials Science, Energy Technology and Environmental Engineering and related areas.

During the conference, the conference model was divided into three sessions, including oral presentations, keynote speeches, and online Q&A discussion. In the first part, some scholars, whose submissions were selected as the excellent papers, were given about 5-10 minutes to perform their oral presentations one by one. Then in the second part, keynote speakers were each allocated 30-45 minutes to hold their speeches.

In the second part, we invited four professors as our keynote speakers. Prof. Haitao Li, from Jiangsu University, China. In recent years, he is mainly engaged in the design of new carbon-based functional materials and their research work in catalysis, sensing and clean energy fields. The second keynote speakers, Prof. Shanquan Wang, from Sun Yat-sen University, China. He had outstanding research in Anaerobic digestion of microbial reduction, dehalogenation and pollution remediation of halogenated POPs and microbial C-N-S element circulation of microbial groups and other related areas. Mr. Lei Wang, from Ningbo Institute of Materials Technology & Engineering, CAS. He has long been engaged in the research and synthesis of molecular sieve synthesis and application, catalytic conversion of petroleum products, ionic liquid chemistry, and the application of porous materials in cigarette harm reduction and coke reduction. Lastly, we were glad to invite Mr. Qingwei Xu, from China Hesheng Kangjie Environmental Technology Co., LTD as our finale keynote speakers. He is proficient in a variety of biomass new energy, industrial waste water treatment and reuse, ecological restoration core technology. Their insightful speeches had triggered heated discussion in the third session of the conference. Every participant praised this conference for disseminating useful and insightful knowledge.

The proceedings are a compilation of the accepted papers and represent an interesting outcome of the conference. Topics include but are not limited to the following areas: Energy Engineering and Energy Technology, Environmental Science and Environmental Engineering, Electricity Supply Systems, Exploration and Utilization of Resources and Sustainable Development, Energy Economy and Management and other related topics. All the papers have been through rigorous review and process to meet the requirements of international publication standard.

We would like to acknowledge all of those who supported MSETEE 2021. The help and contribution of each individual and institution was instrumental in the success of the conference. In particular, we would like to thank the organizing committee for its valuable inputs in shaping the conference program and reviewing the submitted papers.

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