

## **Preface: 4<sup>th</sup> International Conference on Green Energy and Sustainable Development (GESD 2021)**

This proceeding includes original and peer-reviewed research papers from the 4<sup>th</sup> International Conference on Green Energy and Sustainable Development (GESD 2021), which held on November 13-14, 2021 in Shenyang City, China.

GESD 2021 is organized by Research Center of Engineering and Science, co-organized by Chongqing University, Northeast Petroleum University, Huazhong University of Science and Technology, Asian Union of Information Technology, sponsored by Wanxiang Group Technology Center, CCCC Second Harbour Engineering Company Ltd., Chishun Chemical.

During the COVID-19 outbreak, many academic exchange activities were affected, such as visas, possible 14-day quarantine across regions, epidemic prevention measures, etc. In the end, the number of overseas participants in the conference was far less than expected.

The aim of GESD 2021 was to provide a platform for researchers, engineers, academicians, as well as industrial professionals, to present their research results and development activities in Green Energy and Sustainable Development. It provides opportunities for the delegates to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration. This two-day conference was being organized in invited keynote talks and three Parallel Sessions - Green Energy & Sustainable Energy and Power; Resource Extraction, Utilization & Sustainable Development; Environmental Sustainability and Green Technologies.

All full paper submissions to this GESD would be sent to at least two reviewers and evaluated based on originality, technical or research content, correctness, relevance to conference, contributions, and readability. The full paper submissions were chosen based on technical merit, interest, applicability, and how well they fit a coherent and balanced technical program. GESD 2021 received 171 manuscripts. And 90 submissions had been accepted by our reviewers. The Committees of GESD 2021 invested great efforts in reviewing the papers submitted to the conference and organizing the sessions to enable the participants to gain maximum benefit.

Zhihui Tan  
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Conference Organizing Committee