Preface

After successfully held for two consecutive year, the 3rd International Conference on Energy Resources and Sustainable Development (ICERSD 2020) was successfully held in Harbin, China during December 25-27, 2020. The idea of the conference is for the scientists, scholars, engineers and students from the Universities all around the world and the industry to present ongoing research activities, and hence to foster research relations between the Universities and the industry. The conference will be held every year to make it an ideal platform for people to share views and experiences in Energy Resources and Sustainable Development and related areas. It will bring you an unexpected harvest.


The conference model was divided into two sessions, including oral presentations and keynote speeches. In the first part, some scholars, whose submissions were selected as the excellent papers, were given 15 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 this conference, we have invited Prof. Masakazu ANPO, Osaka Prefecture University, Japan to serve as our Conference Chairman. And we were honored to invite 3 sophisticated keynote speakers to deliver keynote speeches during the conference. A. Prof. Taozhang, from College of Resources and Environmental Sciences, China Agricultural University, delivered a wonderful speech on *Biomass waste valorization to generate modified biochar to recover phosphorus from animal manure wastewater*. His speech demonstrated that one of the reality before us today is the increasingly exhausted of phosphorus (P) resource. Animal manure, produced from livestock and poultry production, contains large amount of P. The treatment of P recovery from animal manure is regarding as a promising technical for food security. The next keynote speakers are Assoc. Prof. Dr. Nur Islami, Physics PMIPA Department Universitas Riau, Indonesia, shared a speech on his specialty related to *Integrated of geophysical and hydrochemical methods to investigate the geothermal potential: A case study from Rokan Hulu, Indonesia*. The purpose of this study is to model geothermal potential using the integrated geoelectrical resistivity and magnetic survey method. The finale keynote speakers, Prof. Fuquan Song, from Zhejiang ocean university. He had outstanding research in Development of Oil and Gas area.

We are glad to share with you that we received lots of submissions from the conference and we selected a bunch of high-quality papers and compiled them into the proceedings after rigorously reviewed them. These papers feature following topics but are not limited to: Sustainable Development, Energy Resources 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 thank the organization staff, the members of the program committees and reviewers. They have worked very hard in reviewing papers and making valuable suggestions for the authors to improve their work. We also would like to express our gratitude to the external reviewers, for providing extra help in the review process, and the authors for contributing their research result to the conference.

Lastly, we would like to warmly thank all the authors who, with their presentations and papers, generously contributed to the lively exchange of scientific information that is so vital to the endurance of scientific conferences of this kind.

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