

**The 5th International Conference on Advances and Clean Energy Research
(ICACER 2020)**

April 23-25, 2020 at Barcelona, Spain

(Organized as E-Conference)

Editorial

The 5th International Conference on Advances and Clean Energy Research (ICACER 2020) is organized as an e-conference on April 23-25, 2020. Globally, the COVID-19 has evolved into a pandemic, and the health and safety of ICACER 2020 participants are of paramount importance. After serious consideration, the program committee has made a decision to have ICACER 2020 as a fully e-conference using online platform.

The objective of the ICACER 2020 is to provide unique platform to bring together researchers, scientists, engineers, academics and graduate students from all over the world to share up-to-date research knowledge and disseminate the key findings in the broad area of sustainable energy system engineering and economics. These conferences are going to contribute in developing long-term sustainable communications among the researchers and practitioners in the related scientific areas for continuing global cooperation on sustainable development.

The ICACER 2020 is organized special lectures of distinguished academicians, IEEE Fellow Prof. Javier Contreras Sanz, Universidad de Castilla-La Mancha, Spain; IEEE Fellow, Prof. Om P. Malik, University of Calgary, Canada; Prof. Dr. Lin Chen, Chinese Academy of Sciences, China; Prof. Gunther Bohn, University of Applied Sciences Würzburg-Schweinfurt, Germany. The special speeches are on the topics of market regulation of energy storage, supercritical convective flow in clean energy systems, technical contributions to the path of the German: automotive industry towards lower CO₂ emissions, micro-grids: concept and challenges in practical implementation.

The ICACER has been organized successfully in the previous years, and the learnings from them are going to contribute consistently in the scientific domain of clean energy, energy economics and policy for sustainable development. In ICACER 2020, the participants are from 19 countries: Spain, China, USA, Canada, Russia, UK, Germany, Norway, Ireland, Croatia, Romania, Slovenia, Poland, Turkey, Ecuador, Pakistan, India, Saudi Arabia and Iraq. The programme included 23 papers after a rigorous review of the 40 papers submitted for presentation and publication. The selected peer-reviewed papers from ICACER 2020 are edited as conference proceeding and to be published in the E3S Web of Conferences (Open Access proceedings in Environment, Energy and Earth Sciences) (e-ISSN: 2267-1242) as a special volume. It is indexed in the American Chemical Society (CAS), CPCI (Web of Science), Scopus (Elsevier), DOAJ, Google Scholar, etc. The ICACER 2020 proceeding includes articles in the field of advances and clean energy research, etc.

As editor of this special issue of the ICACER 2020 proceeding and conference chair, I wish to express my genuine appreciation to the keynote speakers, authors, reviewers, program and technical committee members, organizing members, participants; who have

contributed in organization of the conferences and publication of this special volume. With high-quality submissions and knowledge disseminations in the ICACER 2020, I am confident that the ICACER will become an important conference in this multi-discipline domains of clean energy techno-economics and policies for achieving the United Nation's Sustainable Development Goals.

Professor Mohan Lal Kolhe
Editor of the ICACER 2020 Proceeding,
Conference Chair of ICACER 2020,
Professor in Smart Grid and Renewable Energy,
Faculty of Engineering and Science,
University of Agder,
PO Box 422, NO 4604, Kristiansand, Norway
www.uia.no