Editorial

Yerzhan Belyayev*

Department of Mechanics,
Al-Farabi Kazakh National University,
Al-Farabi ave. 71/23, 050040,
Almaty, Kazakhstan
Email: yerzhan.belyaev@kaznu.kz
Email: yerzhan.belyayev@gmail.com
*Corresponding author

Mohanraj Murugesan

Department of Mechanical Engineering,
Hindusthan College of Engineering and Technology,
641032, Coimbatore, India
Email: mohanrajrac@yahoo.co.in

Kamaruzzaman Sopian

Solar Energy Research Institute (SERI),
The National University of Malaysia,
Level G, Research Complex,
43600 Bangi, Selangor, Malaysia
Email: ksopian@ukm.edu.my

Rao Martand Singh

Geotechnical Engineering Research Group,
Department of Civil and Environmental Engineering,
Faculty of Engineering,
Norwegian University of Science and Technology (NTNU),
Gløshaugen, Høgskoleringen 7a,
Trondheim 7034, Norway
Email: rao.m.singh@ntnu.no

Biographical notes: Yerzhan Belyayev is an Associate Professor/Postdoctoral Researcher at the Department of Mechanics of Al-Farabi Kazakh National University, Almaty, Kazakhstan. He received his BE, MS and Doctoral degrees from Al-Farabi Kazakh National University, Almaty. His research interests include solar energy applications, computational fluid dynamics modelling of high speed reacting flows and multiphase flows. He has published more than 25 papers in journals and conferences. He is actively pursuing research in the field of solar thermal energy and vapour compression heat pumps, including cascade two-stage system, solar still, ground source heat pump.

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Mohanraj Murugesan completed his BE in Mechanical Engineering from University of Madras in 1999, ME in Refrigeration and Air Conditioning from Bharathiar University Coimbatore in 2001 and PhD from National Institute of Technology Calicut in 2009. Presently, he is working as a Professor in Mechanical Engineering at Hindusthan College of Engineering and Technology, Coimbatore India. He has published 45 papers in international journals. His research interests are refrigeration and air conditioning, and renewable energy. He is associated with Al-Farabi Kazakh National University, Almaty for a collaborative research project on solar assisted two stage cascade heat pump for space heating applications.

Kamaruzzaman Sopian graduated with the BS Mechanical Engineering from the University of Wisconsin-Madison in 1985, the MS in Energy Resources University of Pittsburgh in 1989 and a PhD in Mechanical Engineering from the Dorgan Solar Laboratory, University of Miami-Coral Gables. His main contributions are in solar radiation modelling and resource assessment, advanced solar photovoltaic systems (grid-connected photovoltaic, solar powered regenerative fuel cell, solar hydrogen production, thin film silicon solar cell), and advanced solar thermal systems (solar cooling, solar heat pump, solar assisted drying, combined photovoltaic thermal or hybrid collector). He has ten patents, 15 patents pending, six copyrights, and one trademark for his innovation in renewable energy technology.

Rao Martand Singh has 15 years of global research experience in the area of geothermal energy pile foundations, energy tunnels, energy walls, ground source heat pump (GSHP), soil-structure interaction, nuclear waste disposal, gas/liquid flow characteristic of cement bentonite used in cut-off walls and borehole walls, thermal properties/suction measurement techniques and thermo-hydro-mechanical (THM) behaviour of unsaturated soils and geosynthetic clay liners (GCLs). He is collaborating with industries to find practical solution of problems related to energy and environment. He has published extensively in reputed journals and conferences.

The transition to clean energy supply technologies is a priority for almost all countries today. Depending on climate conditions, different countries adapt various renewable energy technologies to suit their conditions, as well as develop local personnel. Local researchers also contribute to the implementation of these strategies through a variety of interesting research. This special issue is focusing on 'renewable energy utilisation' in *International Journal of Energy Technology and Policy* (*IJETP*) is dedicated to the research and developments in the field of renewable energy technology, feasibility study and policy review. This special issue contains the selected research papers presented in International Conference on Energy and Environment 2019 organised by Department of Mechanical Engineering, Hindusthan College of Engineering and Technology, Coimbatore.

The selected papers are focused to performance research of solar PV, solar thermal, wind turbines, drying technologies, etc. Six papers have been selected for this special issue. These selected papers are based on the outcomes of the research investigations made by research scholars in the field. All the papers were reviewed by subject experts in the field and also revised as per the journal standard.

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