Editorial

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Biographical notes: Canan Kandilli (PhD) is an Associate Professor of Mechanical Engineering at Usak University, Turkey. She earned her Bachelor degree in Physics. She completed her PhD on Solar Energy in Ege University, Solar Energy Institute in 2007. Her studies have centred on the energy analysis of concentrated solar energy systems, and particularly transmitting concentrating solar energy via fibre optic bundles, spectral splitting of concentrating solar energy and photovoltaic thermal systems.

Pathways to sustainability pose challenges for how to balance ecological and environmental concerns with human well-being and economic development. It is generally assumed that development enhances human well-being. Energy is the key issue to industrial development for the promotion of economic and social well-being of the world population. In this era of energy crises and global climate change, energy policies have become more important than ever before. The indiscriminate and uncontrolled use of fossil fuels from past to present, especially since the dawn of modern civilisation, has raised an environmental pollution, emissions of CO_2 and also finally caused to global warming. Therefore the new alternative technologies, energy efficiency and management have become extremely important within effective developing policies. International academic organisations such as symposiums, congress, workshop etc. give remarkable opportunities to the researchers, practitioners, experts, industrialists and policy makers to discuss and share their opinions and findings. One of these important organisations is "*The 7th International Ege Energy Symposium and Exhibition (IEESE7-2014)*".

The 7th International Ege Energy Symposium and Exhibition (IEESE7-2014), 18–20 June, 2014, Usak, Turkey, was held at Usak University, Turkey. This symposium had 146 oral and poster presentations by many international experts and researchers, from 14 different countries, covering every aspect of energy and its applications. *IEESE7* was a multi–disciplinary international symposium on the energy sources and technologies, and provided a forum for the exchange of latest technical information, the dissemination of the high-quality research results on the issues, the presentation of the new developments in the area of clean energy, and the debate and shaping of future directions and priorities for better environment, sustainable development and energy security. The symposium was an international forum for the participants to address and discuss the state of the art innovation in energy and energy systems. The symposium featured sessions and panels by international experts on energy. The symposium scope covered a wide area of topics with respect to energy. During the symposium, the participants

experienced marvellous Turkish culture and saw the historical and natural places in Usak, Turkey.

After successful completion of *IEESE7*, we were given a unique opportunity by Professor Dr. Ibrahim Dincer and Inderscience to compile together high-quality papers and bring to fruition this special issue in the *International Journal of Exergy (IJEx)*. All selected and accepted high-quality symposium papers have passed through another peer-review process for this special issue to improve their quality further for readers of IJEx.

In conclusion, we would like to take this opportunity to warmly thank Dr. Ibrahim Dincer and the editorial team of Inderscience, associate editors, all contributing authors, reviewers, and our assistants for their efforts that have made this special issue a true and unique success.