
Editorial

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Providing energy services to the future generations to a level that is similar to that of the present generation is the primary objective of sustainable energy systems. Sustainable energy system, by itself, cannot guarantee the overall sustainable development. However, this is always the first step. Appropriate management of energy sources is one of the important ways to achieve sustainable energy system. Selected papers, originally presented in the International Conference on Thermal Energy and Environment (INCOTEE 2011) held at Kalasalingam University during 24–26 March 2011, are presented in this special issue to address some of the issues associated with sustainable energy systems. The special issue focused on work related to energy management and possible various energy resources. In this second part of the special issue, seven papers are presented.

Paper entitled ‘Solar tunnel drier with thermal storage for drying of copra’ by Ayyappan and Mayilsamy, focuses on copra drying using solar energy. They carried out experiments to find thermal efficiency of heat storage material. Paper entitled ‘An experimental investigation of a solar/wind 4 kW micro generation system and T-1000 1.2 kW PEM fuel cell’ by Krishnan et al. presents the performance study of

non-conventional sources of power production. Selvaraj and Ramachandran have discussed a novel method to reuse waste heat from solidification of molten metal in aluminium industries in their paper 'Energy conservation in aluminium foundries by waste heat recovery from solidifying molten metal'. Experiments performed to find the heat transfer characteristics from latent heat storage system using paraffin wax by Jesumathy et al. on their paper titled 'Thermal characteristics in latent heat energy storage system using paraffin wax'. The paper, 'Development of an energy efficient curtain flame ignition system for sintering of iron ore fines' discusses about new curtain type combustion by Selvan et al. Paper titled 'Performance evaluation of parabolic dish type solar collector for industrial heating application' by Sagade and Shinde focussed on parabolic dish type solar collectors. Paper entitled 'Performance enhancement of GT-ST power plant with inlet air cooling using lithium bromide/water vapour absorption refrigeration system' by Srinivas and Vignesh focussed on combined cycle performance using MATLAB code.

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