Contents

R. Andrzejczyk and T. Muszyński: The performance of H₂O, R134a, SES36, ethanol, and HFE7100 two-phase closed thermosyphons for varying operating parameters and geometry ..................................................... 3

R.K. Prasad and M.K. Sahu: Entropy generation and thermodynamic analysis of solar air heaters with artificial roughness on absorber plate ............ 23

Z. Li, Y. Liu, P. Dong, Y. Zhang and S Xiao: The effect of different organic fluids on performances of binary slag washing water power plants ........... 49

Z. Ma, H. Chen, and Y. Zhang: Impact of waste heat recovery systems on energy efficiency improvement of a heavy-duty diesel engine ........ 63

M.I. Othman and A.E.E. Abouelregal: The effect of pulsed laser radiation on a thermoviscoelastic semi-infinite solid under two-temperature theory . 77

T. Muszyński, R. Andrzejczyk and C.A. Dorao: Investigations on mixture preparation for two phase adiabatic pressure drop of R134a flowing in 5 mm diameter channel ......................................................... 101

M. Joachimiak, D. Joachimiak and P. Krzyślak: Analysis of heat flow in a tube bank of a condenser considering the influence of air ............... 119

P. Dąbrowski, M. Klugmann and D. Mikiewicz: Selected studies of flow maldistribution in a minichannel plate heat exchanger ................. 135