- R. Ajith Krishnan , K.R. Balasubramanian, , S. Suresh, "The effect of heating area orientation on flow boiling performance in microchannels heat sink under subcooled condition" International Journal of Heat and Mass Transfer Volume 110, July 2017, Vol 110, Pages 276–293 Vol 110 DOI:10.1016/j.ijheatmasstransfer.2017.03.030 Impact factor 2.87
- 2. Harikrishnan S. Pillai, **K. R. Balasubramanian**, P. S. Seshadri," Effect On Performance Of Utility Boiler With Variation In Fuel Properties", **International Journal of Applied Engineering Research**, 2016, Vol. 11, No. 6 pp 3786-3790
- 3. Sankar G, Chandrasekhara Rao A, Seshadri P S and K.R.Balasubramanian, "Techniques for measurement of heat flux in furnace waterwalls of boilers and prediction of heat flux A review", **Applied Thermal Engineering**, 2016, 103 1470–1479 DOI:10.1016/j.applthermaleng.2016.03.013 Impact factor-3.043
- 4. Sankar G, Chandrasekhara Rao A, Kartikeyan V R, Seshadri P S, **Balasubramanian K** R, "A New Method for Prediction of Local Heat Flux on Membrane Waterwall with Rifled Tubes of Subcritical Boilers", **International Journal of Applied Engineering Research**, 2016, Vol. 11, No. 2 pp. 1273-1281
- Ganesh, K. C., K. R. Balasubramanian, M. Vasudevan, P. Vasantharaja and N. Chandrasekhar. "Effect of multipass TIG and activated TIG welding process on the thermo-mechanical behavior of 316LN stainless steel weld joints", Metallurgical and Materials Transactions B, 2016, 47(2), pp. 1347-1362 DOI: 10.1007/s11663-016-0600-6 Impact factor: 1.474
- Nanda Naik Korra, M. Vasudevan and K. R. Balasubramanian, "Optimization of A-TIG welding of Duplex Stainless Steel Alloy 2205 based on Response Surface Methodology and Experimental Validation", Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, DOI: 10.1177/1464420715585878 Impact factor: 0.793
- 7. P. Dinesh Babu, G. Buvanashekaran and **K. R. Balasubramanian**, "The Elevated Temperature Wear Analysis of Laser Surface—Hardened EN25 Steel Using Response Surface Methodology", **Tribology Transactions**, 2015, Vol.58:4, pp. 602-615