List of Publications - Dr. G.Kumerasan

1. Lenin, M. A., Swaminathan, M. R., & **Kumaresan, G.** (2013). Performance and emission characteristics of a DI diesel engine with a nanofuel additive. *Fuel*, *109*, 362-365.
2. **Kumaresan, G.,** Raju, G., Iniyan, S., & Velraj, R. (2015). CFD analysis of flow and geometric parameter for a double walled solar cooking unit. *Applied Mathematical Modelling*, *39*(1), 137-146.
3. **A Gopinath, K Sairam, G Kumaresan and R Velraj** ,"Effects of properties and structural configuration of fatty acid methyl esters on biodiesel fuel properties: A review ", IMechE, Part D: Journal of Automobile Engineering. 2015, Vol. 229, pp 357-390.
4. Shaafi, T., Sairam, K., Gopinath, A., **Kumaresan, G**., & Velraj, R. (2015). Effect of dispersion of various nanoadditives on the performance and emission characteristics of a CI engine fuelled with diesel, biodiesel and blends—a review. *Renewable and Sustainable Energy Reviews*, *49*, 563-573.
5. **Kumaresan, G**., Vigneswaran, V. S., Esakkimuthu, S., & Velraj, R. (2016). Performance assessment of a solar domestic cooking unit integrated with thermal energy storage system. *Journal of Energy Storage*, *6*, 70-79.
6. Babu, A. K., Raj, V. A. A., & **Kumaresan, G.** (2016). Misfire Detection in A Multi-Cylinder Diesel Engine: A Machine Learning Approach. *J. Eng. Sci. Technol*, *11*(2), 278-295.
7. **Kumaresan, G.,** Sudhakar, P., Santosh, R., & Velraj**, R.** (2017). Experimental and numerical studies of thermal performance enhancement in the receiver part of solar parabolic trough collectors. *Renewable and Sustainable Energy Reviews*, *77*, 1363-1374.
8. Hariharan, K., Kumar, G. S. S., **Kumaresan, G**., & Velraj, R. (2018). Investigation on phase change behavior of paraffin phase change material in a spherical capsule for solar thermal storage units. *Heat Transfer Engineering*, *39*(9), 775-783.
9. **Kumaresan, G.,** Santosh, R., Duraisamy, P., Venkatesan, R., & Kumar, N. S. (2018). Numerical analysis of baffle cut on shell side heat exchanger performance with inclined baffles. *Heat Transfer Engineering*, *39*(13-14), 1156-1165.