

Faculty Profile



Mr.E. Sangeethkumar

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Total Experience (in years): 11

Research Area:Materials,Manufacturing, IC Alternative Fuels for IC Engines.

Recent Publications:

1. Ramakrishnan, Bharadwaj, **SangeethkumarElumalai**, Jaikumar Mayakrishnan, IndujaSaravanan, and S. JenorisMuthiya. **Investigation on Tribological Performance of NanoZnO and Mixed Oxide of Cu-Zn as Additives in Engine Oil.** No. 2020-01-1095. SAE Technical Paper, 2020.
2. Mayakrishnan, Jaikumar,**SangeethkumarElumalai**, SasikumarNandagopal, IndujaSaravanan, Selvakumar Raja, and Ramanathan Velmurugan. **Experimental Study on Influence of Iron Oxide Nanofluids on Characteristics of a Low Heat Rejection Diesel Engine Operated with Methyl Esters of Waste Cooking Oil.** No. 2020-28-0412. SAE Technical Paper, 2020.
3. **Sangeethkumar, E.**, M. Jaikumar, P. Vijayabalan, N. Sasikumar, and V. Ramanathan. "Effective Implementation of low thermal conductivity material Yttrium Stabilized Zirconium Coating on a Diesel Engine Components Fuelled with neat Waste Cooking Oil-An Assessment Study." In IOP Conference Series: Earth and Environmental Science, vol. 573, no. 1, p. 012009. IOP Publishing, 2020.
4. Ramanathan, V., M. Jaikumar, S. Induja, **E. SangeethKumar**, and N. SasiKumar. "Effect of nanofluids in waste cooking oil biodiesel fuel: An experimental investigation on diesel engine characteristics." In *IOP Conference Series: Earth and Environmental Science*, vol. 573, no. 1, p. 012012. IOP Publishing, 2020.
5. Ramanathan, V., M. Jaikumar, Shaik Abdul Aleem, S. Induja, and E. SangeethKumar. "Experimental investigation on effect of zinc oxide nanofluid on performance, emission and combustion characteristics of CI engine fuelled with waste cooking oil biodiesel." In *Journal of Physics: Conference Series*, vol. 1706, no. 1, p. 012199. IOP Publishing, 2020.
6. Raja, Selvakumar, Jaikumar Mayakrishnan, SasikumarNandagopal, and **SangeethkumarElumalai**. "Effect of Compression Ratio on the Performance, Emission, and Combustion Characteristics of CI Engine Using Waste Cooking Oil and Its Emulsion as Fuel." In *Advances in Materials Research*, pp. 701-711. Springer, Singapore, 2021.