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List of Publications:

1. PM Shameer, K Ramesh, R Sakthivel, R Purnachandran "Effects of fuel injection parameters on emission characteristics of diesel engines operating on various biodiesel: a review" Renewable and Sustainable Energy Reviews 67, 1267-1281 [2017]

2. PM Shameer, K Ramesh "Experimental evaluation on performance, combustion behavior and influence of in-cylinder temperature on NOx emission in a D.I diesel engine using thermal imager for various alternate fuel blends" Energy 118, 1334-1344 [2017]

3. R Sakthivel, K Ramesh "Analytical characterization of products obtained from slow pyrolysis of Calophyllum inophyllum seed cake: study on performance and emission characteristics of direct injection diesel engine fuelled with bio-oil blends" Springer-Verlag GmbH Germany, part of Springer Nature [2018]

4. K Ramesh, P Baranitharan, R Sakthivel "Investigation of the stability on boring tool attached with double impact dampers using Taguchi based Grey analysis and cutting tool temperature investigation through FLUKE-Thermal imager" [2018]

5. C Suresh, K Ramesh, V Paramaguru "Aerodynamic performance analysis of a non-planar C-wing using CFD" Aerospace Science and Technology 40, 56-61 [2015]

6. K Ramesh, T Alwarsamy, S Jayabal "Prediction of cutting process parameters in boring operations using artificial neural networks" Journal of Vibration and Control 21 (6), 1043-1054 [2015]

7. P Baranitharan, K Ramesh, R Sakthivel "Characterization of pyrolysis bio-oil derived from intermediate pyrolysis of Aegle marmelos de-oiled cake: study on performance and emission characteristics of CI engine fueled with Aegle marmelos pyrolysis oil-blends " Environmental Science and Pollution Research [2018]

8. R Sakthivel, K Ramesh, P Mohamed Shameer, R Purnachandran "Experimental investigation on improvement of storage stability of bio-oil derived from intermediate pyrolysis of Calophyllum inophyllum seed cake" Journal of the Energy Institute [2018]

9. R Purnachandran, K Ramesh, P Mohamed Shameer "Optimization in the performance and emission parameters of a DI diesel engine fuelled with pentanol added Calophyllum inophyllum/diesel blends using response surface methodology" Environmental Science and Pollution Research [2018]

10. V Paramaguru, K Ramesh, C Suresh "Prediction and optimization of CI engine performance fuelled with Calophyllum inophyllum diesel blend using response surface methodology (RSM)" Environmental Science and Pollution Research [2018]

11. R Sakthivel, K Ramesh "Studies on the effects of storage stability of bio-oil obtained from pyrolysis of Calophyllum inophyllum deoiled seed cake on the performance and emission characteristics of a direct-injection diesel engine" Environmental Science and Pollution Research 25 (18), 17749-17767 [2018]

12. P Baranitharan, K Ramesh, R Sakthivel "Investigation and improvement on storage stability of pyrolysis oil obtained from Aegle marmelos de-oiled seed cake" Energy Sources, Part A: Recovery, Utilization, and Environmental Effects [2019]

13. M Vishnu Priya, K Ramesh, P Sivakumar, R Balasubramanian, S Anirbid "Kinetic and thermodynamic studies on the extraction of bio oil from Chlorella vulgaris and the subsequent biodiesel production" Chemical Engineering Communications, 1-10 [2018]

14. RK Benjamin Franklin S "Experimental Investigation on Heat Recovery from Diesel Engine Exhaust Using Pebble Bed Heat Exchanger and Thermal Energy Storage system" International Journal of Applied Engineering Research 10 (16), 37987-37995 [2015]

15. B Vijaya Kumar, K Ramesh, P Sivakumar, V Santhosh, A Sakthi Saravanan, NG Muralidharan, N Yasvanthrajan "Magnetized-Nano Catalyst KF/CaO-Fe3O4for Biodiesel Production from Beef Tallow"

16. BFS Ramesh K "Experimental Investigation on the Heat Transfer in fluid flow through Porous media in Pebble Bed Heat Exchanger" International Journal of Applied Engineering Research 10 (50), 905-916 [2015]