

LIST OF PUBLICATION (2015-2020)

1.Forecasting of an ANN model for predicting behaviour of diesel engine energised by a combination of two low viscous biofuels

Ramalingam, K., Kandasamy, A., Balasubramanian, D., ...Varuvel, E.G., Viswanathan, K.
Environmental Science and Pollution Research, 2020, 27(20), pp. 24702-24722

2.Effects of thermal barrier coating on the performance, combustion and emission of DI diesel engine powered by biofuel oil–water emulsion

Elumalai, P.V., Annamalai, K., Dhinesh, B.

Journal of Thermal Analysis and Calorimetry, 2019, 137(2), pp. 593-605

3. Production of eco-friendly fuel with the help of steam distillation from new plant source and the investigation of its influence of fuel injection strategy in diesel engine

Ramalingam, K., Kandasamy, A., Joshua Stephen Chellakumar, P.J.T.
Environmental Science and Pollution Research, 2019

4.Effects of tangential air passages to piston bowl on the performance of a DI diesel engine

Jaichandar, S., EswaraPrasath, V.G., Annamalai, K.

International Journal of Ambient Energy, 2019,9(1), pp. 143-152, IJMPERDFEB201915

5.Effect of injection pressure and injection timing in performance and emission characteristics in di engine using blend of methyl esters of algae

Naresh, V., Prabhakar, S., Annamalai, K., Naveenchandran, P.

International Journal of Mechanical and Production Engineering Research and Development, 2018,

6. Production of Garcinia gummi-gutta methyl ester (GGME) as a potential alternative feedstock for existing unmodified DI diesel engine: Combustion, performance, and emission characteristics

Lingesan, S., Annamalai, K., Parthasarathy, M., ...Dhinesh, B., Isaac JoshuaRameshLalvani, J.
Journal of Testing and Evaluation, 2018, 46(6), pp. 2661-2678

7. Experimental investigation of unmodified diesel engine performance, combustion and emission with multipurpose additive along with water-in-diesel emulsion fuel

Vigneswaran, R., Annamalai, K., Dhinesh, B., Krishnamoorthy, R.

Energy Conversion and Management, 2018, 172, pp. 370-380

8.An assessment of combustion, performance characteristics and emission control strategy by adding anti-oxidant additive in emulsified fuel

Ramalingam, K., Kandasamy, A., Subramani, L., Balasubramanian, D., Paul James Thadhani, J.
Atmospheric Pollution Research, 2018, 9(5), pp. 959-967

9.Comparative analysis of performance and emission characteristics of DI-diesel engine using Jatropha and Pongamia biodiesel as fuels

Jaichandar, S., Annamalai, K.

Journal of Mechanical Engineering, 2018, 15(1), pp. 98-114

10.Effect of injection pressure and injection timing in performance and emission characteristics in di engine using blend of methyl esters of algae

Naresh, V., Prabhakar, S., Annamalai, K., Naveenchandran, P.

Journal of Computational and Theoretical Nanoscience, 2018, 15(9), pp. 1-9

11.Experimental investigation on characteristics of algae biodiesel in a diesel engine

Naresh, V., Prabhakar, S., Annamalai, K., Naveenchandran, P.

International Journal of Engineering and Technology(UAE), 2018, 7(1), pp. 1-5

12. Effect of partially stabilized zirconia (Zr_2O) in improving the efficiency of emulsified fuel

Pradeep Kumar, A.R., Annamalai, K., Premkartikkumar, S.R.

IOP Conference Series: Materials Science and Engineering, 2017, 263(6), 062051

13. An experimental analysis on the influence of fuel borne additives on the single cylinder diesel engine powered by Cymbopogonflexuosus biofuel

Dhinesh, B., NirubanBharathi, R., Isaac JoshuaRameshLalvani, J., Parthasarathy, M., Annamalai, K.

Journal of the Energy Institute, 2017, 90(4), pp. 634-645

14.Studies on the influence of combustion bowl modification for the operation of Cymbopogonflexuosus biofuel based diesel blends in a DI diesel engine

Dhinesh, B., Annamalai, M., Lalvani, I.J., Annamalai, K.

Applied Thermal Engineering, 2017, 112, pp. 627-637

15.Experimental investigation on the influences of varying injection timing on the performance of a B20 JOME biodiesel fueled diesel engine

Jaichandar, S., Annamalai, K.

Journal of Mechanical Engineering, 2017, 14(1), pp. 57-74

16.Optimizing the best efficient blend for algae oil

Naresh, V., Prabhakar, S., Annamalai, K., Naveenchandran, P.

Journal of Advanced Research in Dynamical and Control Systems, 2017, 9, pp. 954-965

17. Effect of hydrogen on ethanol–biodiesel blend on performance and emission characteristics of a direct injection diesel engine

Parthasarathy, M., Isaac JoshuaRameshLalvani, J., Dhinesh, B., Annamalai, K.

Ecotoxicology and Environmental Safety, 2016, 134, pp. 433-439

18. Pooled effect of injection pressure and turbulence inducer piston on performance, combustion, and emission characteristics of a DI diesel engine powered with biodiesel blend

Isaac JoshuaRameshLalvani, J., Parthasarathy, M., Dhinesh, B., Annamalai, K.

Ecotoxicology and Environmental Safety, 2016, 134, pp. 336-343

19. An assessment on performance, combustion and emission behavior of a diesel engine powered by ceria nanoparticle blended emulsified biofuel

Annamalai, M., Dhinesh, B., Nanthagopal, K., ...Parthasarathy, M., Annamalai, K.

Energy Conversion and Management, 2016, 123, pp. 372-380