LIST OF PUBLICATIONS

International Journals

1. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2012, 'Automotive engines with hydrogen – An analysis and investigation', Journal of Engineering Today, vol. 14, no. 2, pp. 227-230.

2. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2013, 'Using hydrogen as a fuel in automotive engines – An investigation', International Journal of innovative technology and research, vol. 1, no. 1, pp. 90-93.

3. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2013, 'Effect of addition of oxygen enriched hydrogen gas produces by electrochemical reaction in the reduction of pollutants coming out from a DI diesel engine', International Journal of ChemTech Research, vol. 5, no. 4, pp. 1523-1531. **(Annexure II)**

4. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2014, 'Effectiveness of oxygen enriched hydrogen–HHO gas addition on DI diesel engine performance, emission and combustion characteristics,' Thermal Science, vol. 18, no. 1, pp. 259-268. **(Impact factor 1.45) - Annexure I**

Accepted for publication

1. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR, 'Impact of ambient air temperature and injection timing on reduction of engine out emissions of DI diesel engine operating under the influence of oxygen enriched hydrogen gas', International Journal of Oil, Gas and Coal Technology **(Impact factor 0.44) - Annexure I**

2. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR, 'Significance of inlet air temperature on reducing engine-out emissions of DI diesel engine operating under the influence of oxygen enriched hydrogen gas', Iranian Journal of Science and Technology - Transactions of Mechanical Engineering **(Impact factor 0.4) - Annexure I**

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1. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2011, 'Revolution in automotive engines with hydrogen as a fuel – An analysis and investigation', Proceedings of the International Conference on Engineering, Science and Technology (ICEST-2011), Perambalur, pp. 273-277.

2. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2011, 'Eco friendly fuel for DI diesel engines - Hydrogen', Proceedings of the International Conference on Green Technology and Environmental Conservation (GTEC-2011), Chennai, pp. 135-139.

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1. **Premkartikkumar, SR**, Annamalai, K, Prabakar, S, Banugopan, VN & Pradeepkumar, AR 2011, 'A potential alternative fuel for DI diesel engine - Hydrogen', Proceedings of the National Conference on Advances and Innovations in Mechanical Engineering (AIME-2011), Chennai, pp. 66-71.

2. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2011, 'Effects of compression ratio on emission characteristics of hydrogen fuelled dual fuel engine', Proceedings of the National Conference on Advancement & Recent Innovations in Mechanical Engineering (ARIME-2011), Chennai, pp. 9-11.

3. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2011, 'Emission characteristics of a DI diesel engine with hydrogen as fuel', Proceedings of the National Conference on Modeling and Optimization of Automotive Systems (MAAS-2011), Coimbatore, pp. 13.

4. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2011, 'An emerging trend in automotives with hydrogen as a fuel', Proceedings of the National Conference on Future Engineering in Automobile Technology (NCFEAT'11), Chennai, pp. 84.

5. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2011, 'Use of hydrogen to enhance the performance of diesel engine', Proceedings of the National Conference on Emerging Trends in Energy Engineering, Chennai, pp. 46-49.

6. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2012, 'Automotive engines with hydrogen – An analysis and investigation', Proceedings of the National Conference on Contemporary Approaches in Mechanical Engineering (NCCAME-2012), Chengalpet, pp. 227-230.

7. **Premkartikkumar, SR**, Annamalai, K & Pradeepkumar, AR 2013, 'Reducing engine-out emissions of DI diesel engine using oxygen enriched hydrogen gas as a combustion additive', Proceedings of the National Conference on I.C. Engines and Combustion (NCICEC-2013), Surat, pp. 1-4.