

Dr.T.MOTHILAL PUBLICATIONS
International Journals

- 1 **Mothilal T** and Pitchandi K :Effect of mass flow rate of inlet gas on holdup mass of Solid cyclone Heat exchanger, Applied Mechanics and Materials, DOI:10.4028/www.scientific.net/AMM.592-594.1498, vol. 592-594, pp. 1498-1502, ISSN 1660-9336, (Annexure-II).)
- 2 **T. Mothilal** and K. Pitchandi - Influence of inlet velocity of air and solid particle feed rate on holdup mass and heat transfer characteristics in cyclone heat exchanger, Journal of Mechanical Science and Technology, Springer publication, DOI 10.1007/s12206-015- 0950-z, Impact factor 0.76, vol. 29, no. 10, pp. 4509 – 4518, ISSN 1738-494X, 2015 (Annexure-I).)
- 3 **T.Mothilal**, V.Velukumar, K.Pitchandi, M.Selwin Immanuel -Effect of cyclone height on holdup mass and heat transfer rate in solid cyclone heat exchanger- CFD Approach, ARPN Journal of Engineering and Applied Sciences, vol. 11, no. 2, pp. 1269-1275, ISSN 1819 – 6608, 2016 (Annexure-II). 2016
- 4 **T. Mothilal** and K. Pitchandi - Effect of particles density on holdup mass and heat transfer rate in solid cyclone heat exchanger, ARPN Journal of Engineering and Applied Sciences, vol. 11, no. 2, pp. 1293-1297, ISSN 1819 – 6608, 2016 (Annexure-II)
- 5 **Mothilal Thulasiraman** and Pitchandi Kasiviswanathan - Computational fluid Dynamic Analysis on the effect of particle density and body diameter in a tangential inlet cyclone heat exchanger', Thermal science, DOI 10.2298/TSCI151105055T, Impact factor 1.45, ISSN 0354-9836, (Annexure –I).)
- 6 **T. Mothilal** and K. Pitchandi :Effect of Vortex Finder Dimension on Holdup mass and Heat transfer rate in Cyclone Heat Exchanger-CFD approach', International journal of Computer Aided Engineering and Technology, Inderscience, ISSN 1757-2665, Vol.10 No.1/2 pp. 66-75 DOI :10 .15041/IJCAET.2018.10009683 (Annexure – II).
- 7 **T.Mothilal**, V.Velukumar, K.Pitchandi, M.Selwin Immanuel :Influence of vortex finder diameter and cone tip diameter on holdup mass and heat transfer rate in cyclone- A CFD Approach , International Journal of Applied Engineering Research, Vol. 10 No.33 (2015), pp. 25890 – 25897 (Annexure – II). (research
- 8 **T.Mothilal**, V.Velukumar, K.Pitchandi, M.Selwin Immanuel-Effect of vortex finder diameter and inlet height on holdup mass and heat transfer characteristics in cyclone heat exchanger - A CFD Approach, International Journal of Applied Engineering Research, Vol. 10 No.77 (2015), pp. 268 – 272 (Annexure – II).

- 9 **T.Mothilal**, et al Performance Enhancement of a Diesel Engine by Providing Insulation on Engine Parts- International Journal of Design and Manufacturing Technologies, Vol 3, No 2 (2009), pp. 63-67
- 10 **T.Mothilal**, et al Design of Turbocharger In Petrol Engine with Intercooler And Discharger Chamber, International Journal of Latest Engineering & Management Research ISSN: 2455-4847 , Volume 02 - Issue 12, December 2017 , PP. 81-87
- 11 Experimental Analysis on Diesel Engine fueled with Nerium biodiesel oil and Diesel, American Journal of Engineering Research (AJER) e-ISSN: 2320-0847 , ISSN : 2320- 0936 ,Volume-6, Issue-12, pp-29-34
- 12 **T.Mothilal**, K.Pitchandi , V.Velukumar , K.Parthiban: CFD And Statistical Approach For Optimization Of Operating Parameters In A Tangential Cyclone Heat Exchanger , Journal of Applied Fluid Mechanics Vol. 11, No. 2, pp. 459-466, 2018., ISSN 1735-3572, EISSN 1735-3645. (Annexure –I).)
- 13 **Dr.T.Mothilal**, et al Design and thermal analysis of coated and uncoated exhaust manifold , International Journal of Ambient Energy, ISSN 0143 – 0750.DOI: 10.1080/01430750.2018.1456969
- 14 **Dr.T.Mothilal**, et al. Design of compound pulse- jet engine ,International Research Journal of Automotive Technology Vol 1(2), pp 16-21,2018
- 15 **T.Mothilal**, et al. Experimental and Numerical analysis of wind turbine , International Research Journal of Automotive Technology, Vol 1(2), pp 01-08, 2018.
- 16 **Dr.T.Mothilal**, et al. Structural and statistical analysis of horizontal spherical end pressure vessel , International Journal of Pure and Applied mathematics, Vol 119, No 12 PP 13493-13501,2018.
- 17 **Dr.T.Mothilal**, et al. CFD Analysis of different blades in vertical axis wind turbine, International Journal of Pure and Applied mathematics, Vol 119, No 12 PP 13545- 13551, 2018.
- 18 **Dr.T.Mothilal**, et al. Error proof analysis of center pillar inner assembly by using pneumatic system, International Journal of Pure and Applied mathematics, Vol 119, No 12, PP 13933-13937, 2018
- 19 **Dr.T.Mothilal**, et al. Static Analysis of connecting rod in a single cylinder diesel engine, International Journal of Pure and Applied mathematics, Vol 119, No 12, PP 14037- 14043,2018

- 20 **Dr.T.Mothilal**, et al. Modal and kinematic Analysis of connecting rod for different material, International Journal of Pure and Applied mathematics, Vol 119, No 12, PP 14599 -14608, 2018
- 21 **Dr.T.Mothilal**, et al. Thermal Analysis of shell and tube heat exchanger, International Journal of Pure and Applied mathematics, Vol 119, No 12, PP 14299 -14306, 2018.
- 22 **T.Mothilal**, et al Investigation on the effect of TiO₂ Nanoparticle additives on the properties of 10W-40 Engine, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 4, pp 1187-1196 , August 2018.transteller publication – scopus Impact factor 8.876
- 23 **T.Mothilal**, et al CFD analysis of double pipe heat exchanger with baffles using cuo/water nanofluids, Engineering Reports ,Vol 2, issue 1 pp 24- 29 (Google scholar) 2018
- 24 **T.Mothilal**, et al Desalination using magnetron , International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249- 6890; ISSN (online): 2249-8001 Vol. 9, Issue 3, pp 983- 992, June 2019, transteller publication , scopus Impact factor 8.876
25. **Dr T.Mothilal**, published paper on Effect of silicon coupling grafted ferric oxide and E – Glass fibre in thermal stability , wear and tensile fatigue behaviour of eboxy hybrid composite Silicon, Springer publication <https://doi.org/10.1007/s12633-019-00347-7> ISSN (P): 1876- 990X ; ISSN (online): 1876 – 9918 (Web of science, Scopus)
26. **T.Mothilal**, et al “Thermal and flexural properties of caryota urens palms fiber – reinforced polyester composites” , A Journal of Composition Theory, Vol XIII , Issue 1 , ISSN 0731 – 6755, PP 301-312, Jan 2020
- 27.**T.Mothilal**, et al “Heat transfer analysis of thermoelectric generator at the focus of solar parabolic dish” , Journal of Xi'an University of Architecture & Technology, Vol XII , Issue v , ISSN 1006 – 7930, , PP 275-281, May 2020 (scopus) <https://doi.org/10.37896/JXAT12.05/1428>
28. **T.Mothilal**, et al “Performance of solar parabolic dish thermoelectric generator with PCM”, Materials Today: Proceedings, June 2020 (Web of science, scopus)
- 29.**T.Mothilal**, et al “Performance and emission characteristics of diesel blended with sweet lime peel oil and corn oil ” , AIP Conference Proceedings, PP 020036-1 - 020036-10, Oct 2020 (scopus) <https://aip.scitation.org/doi/pdf/10.1063/5.0024898>
- 30 .**T.Mothilal**, et al “Analysis on mechanical properties of wood plastic composite” , AIP Conference Proceedings, PP 020037-1–020037-11, Oct 2020 (scopus) <https://doi.org/10.1063/5.0024893>