

H. K. E. Society's

P. D. A. College of Engineering, Kalaburagi

Publication Details

RESEARCH PAPER PUBLICATION IN THE YEAR 2016

SI No	Title	Citation
1	Omprakash Hebbal et.al: Performance, emission and combustion characteristics of a semi-adiabatic diesel engine using cotton seed and neem kernel oil methyl esters; Alexandria Engineering Journal, Vol 55, 2016, pp 699-706	Scopus
2	Harishchandra Astagi, Omprakash Hebbal: Effect of Exhaust Gas Recirculation (EGR) on Performance, Emissions and Combustion Characteristics of a Low Heat Rejection (LHR) Diesel Engine Using Pongamia Biodiesel, Journal of Thermal Engineering, Vol. 2, No.6, Special Issue 5, December 2016, pp. 1007-1016	Scopus
3	Comparative study on effect of blending, thermal barrier coating (LHR) and injector nozzle geometry on biodiesel-fuelled engines; International Journal of Sustainable Engineering, VOL. 9, NO. 3, 2016, pp 1-9	Scopus
4	M.C. Navindgi at.al.: Certain investigations on the performance, combustion, emission characteristics and vibration analysis of CI engine using canola bio diesel as an alternative fuel, International Research Journal of Engineering and Technology, Vol 03 Issue: 07, 2016, pp 409-412	Google

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SI No	Title	Citation
1	Omprakash Hebbal et.al: The Effect of Thermal Barrier Coatings on Diesel Engine Combustion, Performance and Emission, International Journal of Advances on Automotive and Technology, Vol.1 No.1, January 2017, pp. 6-12.	Google
2	M C Navidgi et.al: An Experimental Investigation of DI Diesel Engine Fuelled with Emulsions of Mahua Bio-Oil; International Journal of Science and Research, January 2017, Vol.6, Issue.1, pp 1781-1785	Google
3	M. C. Navindgi et.al: Investigation of Performance and Combustion Characteristics of DI Diesel Engine fuelled with Ternary Fuel Blend at Different Injection Pressure, World Journal of Engineering and Technology, February-2017, Vol.5, pp 125-138	Google
4	M. C Navindgi et.ai: Production of Solid Fuel Biochar from De-Oiled Seed Cake by Pyrolysis, IOSR Journal of Mechanical and Civil Engineering, Mar. - Apr. 2017, Vol.14, Issue.2, pp 57-61	Google
5	M.C.Navindgi et.al.: Production of solid fuel by pyrolysis process using neem de-oiled seed cake; International Journal of Engineering Technology Science and Research, Vol. 4, Issue 11, 2017, 796-803	Google
6	Mallikarjun Bhovi et.al.: Effect of Hydrogen and Hydrogen Enriched Compressed Natural Gas Induction on the Performance of Rubber Seed Oil, Methyl Ester Felled Common Rail Direct Injection (CRDI) Dual fuel Engines; European Journal of Sustainable Development Research 1:2, Vol 7, 2017, pp 1-12	Google
7	Motgi B.S. et.al: A study on mechanical and tribological properties of aluminium 7075 mms reinforced with nano silicon carbide (sic), tur husk and e-glass fiber; International Journal of Innovative Technology and Research Vol. 5, 2017, pp 6995-6999	Google

8	Omprakash Hebbal et.al.: Experimental Investigation On Use Of CNG And Honge Biodiesel in A Single Cylinder Diesel Engine; International Journal of Advances on Automotive and Technology, ,Vol.1 No.1, January 2017, pp. 25-31	RIJ
9	Omprash Hebbal et.al.: CFD Analysis of Combustion in a Single Cylinder CI Engine for Diesel and Duel Fuel; International Journal of Advances on Automotive and Technology, Vol.1 No.1, January 2017, pp. 46-52.	RIJ
10	Omprash Hebbal et.al.: Performance, Emission and Combustion Characteristics of CI Engine Using Blends of Methanol and Pongamia Biodiesel; International Journal of Advances on Automotive and Technology, ,Vol.1 No.1, January 2017, pp. 13-18	RIJ
11	M. C. Navindgi et.al: Production of Solid Fuel Biochar from De-Oiled Seed Cake by Pyrolysis; IOSR Journal of Mechanical and Civil Engineering Mar. - Apr. 2017, Vol.14, Issue.2, pp 57-61	RIJ
12	M. C. Navindgi et.al: Numerical Investigation and Improvement in Cryogenic Gas Turbine; International Journal of Innovative Technology and Research, June-July 2017, Vol. 5, Issue.4, pp 7121-7127	RIJ
13	M.C. Navidgi et.al: Numerical study and optimization of heat treatment processing annealing; International Journal of Innovative Technology and Research, July 2017, Vol.5, Issue.4, pp 7024-7029	RIJ
14	Bharat Kodliet.al.: Simulation Study on effect of BHF & Co efficient of friction in deep drawing process using AFDEX software, International Journal for Scientific Research & Development ISSN (online) :2321-0613, Vol. 5, Issue 05, July 2017.	RIJ
15	Bharat Kodli et.al.: Fabrication and Testing of Mechanical properties of glass fiber reinforced epoxy composites; International Journal for Scientific Research & Development ISSN (online) :2321-0613, Vol. 5, Issue 06, Aug 2017	RIJ
16	Srinivas Valmiki et.al.: Opportunities for Energy Saving in Sugar Factory Based on Co- Generation Plant; International Journal of Innovative Technology and Research Vol No.5, Issue No.4, June – July 2017, pp 6785-6789.	RIJ
17	Srinivas Valmiki et.al.: Design and analysis of Bagasse dryer to recover energy of water tube boiler in a sugar factory; International Journal of Innovative Technology and Research Vol-5, Issue no. 4, July 2017, Page No. 6645-6652, ISSN: 2320-5547.	RIJ
18	R M Lathe et.al: Synthesis, Mechanical and Microstructural behaviour of AZ91/Nano ZrO2 stir casted Magnesium Metal Matrix Composites; International Journal of Innovative Technology and Research ISSN (online) : 2320-5547 Vol. 5, Issue 04, June-July 2017, 6951-6954.	RIJ
19	B S Motgi et.al.: Evaluation of Mechanical properties of AL6063 MMCS Reinforced with Nano SiC, Tur husk and E-Glass fiber; International Journal of Innovative Technology and Research ISSN (online) : 2320-5547, Vol. 5, Issue 04, June-July 2017, 6951-6954	RIJ
20	Harishchandra Astagi et.al.: Experimental Investigation of Effect of Various Parameters on CI Engine Characteristics Using Cottonseed Biodiesel; International Journal Of Innovative Technology And Research, Volume No.5, Issue No.4, June – July 2017, 6861-6872.	RIJ
21	Harishchandra Astagi et.al.: Study On Performance and Emission Characteristics Of A Cottonseed Oil Blended With Methanol On A Diesel Engine With And Without EGR; International Journal Of Innovative Technology And Research, Volume No.5, Issue No.4, June – July 2017, 7128-7141.	RIJ
22	M.R. Nagaraj et.al.: CFD Investigation of Plate Heat Exchanger Using Nanofluids; International Journal of Innovative Technology and Research, Vol-5, Issue 4, July 2017, PP 7010-7015.	RIJ

23	M.R. Nagaraj et.al.: CFD Analysis of Periodic Flow Heat Exchanger Using Nanofluids; International Journal of Innovative Technology and Research, Vol-5, Issue 4, July 2017, PP 7016-7020.	RIJ
24	M.R. Nagaraj et.al.: CFD Analysis of Flow and Temperature Distribution in Shell and Heat Exchangers with Baffles; International Journal of Innovative Technology and Research, Vol-5, Issue 4, July 2017, PP 7005-7009.	RIJ
25	M. C. Navindgi et.al: Effect of Supercharging and Combustion Improving additives on the performance and combustion characteristics of biodiesel diesel engine fuelled with mahua Biodiesel, International Journal of Engineering Development and Research, Aug 2017, Vol.5, Issue.3, pp 1070-1079.	RIJ
26	M. C. Navindgi et.al: Effect of Cetane Improver on the performance and emission characteristics of biodiesel fuelled DI diesel engine with exhaust gas recirculation technique; International Journal of Engineering Development and Research, Aug 2017, Vol.5, Issue.3, pp1064-1069	RIJ
27	M. C. Navindgi et.al: Effect of Cetane Improver on the performance and emission characteristics of biodiesel fuelled DI diesel engine with exhaust gas recirculation technique; International Journal of Engineering Development and Research, Aug 2017, Vol.5, Issue.3, pp1064-1069	RIJ
21	Bharat Kodli et.al.: Fabrication and Testing of Mechanical properties of glass fiber reinforced epoxy composites; International Journal for Scientific Research & Development ISSN (online) :2321-0613, Vol. 5, Issue 06, Aug 2017	RIJ
22	Bharat Kodli et.al.: The effect of fiber length on mechanical properties of short carbon fiber composite material reinforced with epoxy matrix; International Journal of Science and Research (online) :2319-7064, Index Copernicus Value (2015): 78.96, Impact Factor (2015): 6.391, Vol. 6, Issue 08 , Aug 2017	RIJ
23	Srinivas Valmiki et.al.: Experimental investigation of performance, emission, and Combustion characteristics of C.I engine using methanol blended with Kusum Biodiesel and diesel at different injection pressures; International Research Journal of Engineering and Technology , Volume 4, Issue 8, August 2017, IF: 5.181, e-ISSN: 2395-0056, p-ISSN: 2395-0072. Page No: 512-517.	RIJ
24	Harishchandra Astagi et.al.: Experimental investigation of performance, emission and combustion characteristics of C I engine using ethanol blended with mahua oil and diesel; International Journal For Science And Advance Research In Technology, Volume No.3, Issue No.9, September,2017, 2395-1052.	RIJ
25	Indumati Deshmanya et.al: A Literature Review on Properties of Recycled High Density Polyethylene Composites; International Journal for Research in Applied Science and Engineering Technology, Volume 5 Issue X , October 2017	RIJ
26	<u>Srinivas Valmiki et.al.: Heat transfer enhancement in pipe with passive enhancement techniques; International Journal of Engineering Development and Research , Volume 5 Issue 3 August 2017, ISSN: 2321-9939, Paper ID: IJEDR1703085.</u>	RIJ
27	Srinivas Valmiki et.al.: Heat transfer enhancement in pipe flow using wire coil inserts in forced convection; International Journal of Engineering Research and Technology ,Volume6, Issue 8, Aug 2017, Reg. No: IJERTV61IS080064.	RIJ
28	Srinivas Valmiki et.al.: Experimental investigation of performance, emission Combustion characteristics of C.I engine using Kusum Biodiesel with diesel at different injection pressures; International Research Journal of Engineering and Technology , Volume 4, Issue 8, Aug 2017, Page No: 768-777, e-ISSN: 2395-0056.	RIJ
29	Srinivas Valmiki et.al.: Review paper on Algae oil and Rice bran oil biodiesel as an alternative fuel for diesel engine; Anveshana's International Journal Research in Engineering and Applied Sciences, Volume 2, Issue 11 (2017, NOV), Page No: 302-306, ISSN-2455-6300 online.	RIJ

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1	Srinivas Valmiki et.al.: An Enhancement in Finding the Characteristics of CI Engine with Methyl Ester Mango seed Biodiesel as Blends-A Review; International Journal of Engineering and Technology, Jan 2018, Vol-4, Issue 1, P. No-529-535, ISSN: 2395-1303	RIJ
2	Srinivas Valmiki et.al.: Performance and Emission Characteristics of Methyl Ester Mango seed Biodiesel on Four stroke Single cylinder Diesel Engine with 200 bar Injection Pressure; International Journal of Engineering and Technology, March 2018, vol-4, issue 2, P.No-327-332, ISSN: 2395-1303.	RIJ
3	Srinivas Valmiki et.al.: Effect of Exhaust gas recirculation on Performance and Emission characteristics of a Diesel engine running with Corn oil Biodiesel; International Journal of Engineering and Technology,, Volume 4, Issue 2, March/April 2018, Page No: 798-803	RIJ
4	Srinivas Valmiki et.al.: Experimental Investigation on the performance and Emission characteristics of A Single Cylinder Diesel engine using Mahua Biodiesel, Blends and Diesel by Varying Number of Injection Nozzle Holes; International Journal of Engineering and Technology, Volume 4, Issue 3, May 2018, page No: 397-404, ISSN: 2395-1303.	RIJ
5	Srinivas Valmiki et.al.: Experimental Investigation on the performance and Emission characteristics of A Single Cylinder Diesel engine using Mahua Biodiesel, Blends and Diesel on adding DEE by Varying Number of Injection Nozzle Holes; International Journal of Engineering and Technology, Volume 4, Issue 3, May 2018, page No: 327-335, ISSN: 2395-1303.	RIJ
6	Omprakash Hebbal et.al.: Effect of Fuel Injection Timing on The Performance And Emission Characteristics of HCCI Engine – A CFD Study; International Journal for Science and Advance Research in Technology, Vol. 4, Issue 6, June 2018, pp. 423-428.	RIJ
7	Omprakash Hebbal et.al.: CFD Analysis of Wind Action on the Array of Solar Panels for Different Wind Speed and Directions; International Journal for Science and Advance Research in Technology, Vol. 4, Issue 6, June 2018, pp. 429-434.	RIJ
8	Omprakash Hebbal et.al.: Heat Transfer Enhancement In Gas Turbine U-Shaped Channel With 600 Ribs, Under Rotational Effect; International Journal for Science and Advance Research in Technology, Vol. 4, Issue 6, June 2018, pp. 416-422.	RIJ
9	M. C. Navindgi et.al: Simulation of A DAWT Diffuser Using CFD, International Journal for Science and Advance Research in Technology , June 2018, Vol.4, Issue.6, pp 856-862.	RIJ
10	Harishchandra Astagi et.al.: Numerical Investigation of Sloshing In A Fuel Tank; International Journal For Science And Advance Research In Technology Volume 4 Issue 6 – JUNE 2018,2395-1052.	RIJ
11	Harishchandra Astagi et.al.: Heat Transfer Improvement of Cylinder Using Elliptical Fins; International Journal For Science And Advance Research In Technology Volume 4 Issue 6 – JUNE 2018,2395-1052.	RIJ
12	Omprash Hebbal et.al.: CFD Analysis of Solar Air Heater With Different absorber Material and Extended Glass Fins; International Journal for Science and Advance Research in Technology, Vol. 4, Issue 6, June 2018, pp. 435-439.	RIJ
13	M. C. Navindgi et.al: Heat Transfer Enhancement of Heat Exchanger using Vortex Generator; International Journal for Science and Advance Research in Technology, July 2018, Vol.4, Issue.7, PP 813-825	RIJ

14	M. C. Navindgi et.al: Optimization of Diesel Engine Parameters with blends of WCO Biodiesel fuel and Diethyl Ether as an Additive by Taguchi Method; Innovation in Modern Engineering & Science, July 2018, Vol.4, Issue.7, pp 611-626	RIJ
15	M. C. Navindgi et.al: Experimental Investigation of effect of various parameters on Engine Characteristics using WCO as Biofuel and finding Optimized condition using Taguchi Method; International Journal for Science and Advance Research in Technology, July 2018, Vol.4, Issue.7, pp 541-557	RIJ
16	Bharat Kodli et.al.: Simulation study on effect of binder holding distance & die corner radius in single stage deep drawing process using AFDEX software; International Journal of Technical Innovation in Modern Engineering & Science Impact Factor :5.22 e-ISSN (online) :2455-2585, Vol. 4, Issue 07, July 2018	RIJ
17	Bharat Kodli et.al.: Simulation study of effect of billet temperature in forward extrusion; International Journal of Technical Innovation in Modern Engineering & Science Impact Factor :5.22 e-ISSN (online) :2455-2585, Vol. 4, Issue 07, July 2018.	RIJ
18	Bharat Kodli et.al.: Parametric optimization in MIG welding by Taguchi approach on Mild Steel using ultrasonic testing; International Journal of Technical Innovation in Modern Engineering & Science Impact Factor :5.22 e-ISSN (online) :2455-2585, Vol. 4, Issue 07, July 2018	RIJ
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20	B S Motgi et.al.: A Study on Mechanical & Tribological properties of AL Alloy 7068 MMC'S Reinforced with SiC&Tur Husk; International Journal of Technical Innovation in Modern Engineering & Science, e-ISSN (online) :2455-2585, Vol. 4, Issue 07, July 2018.	RIJ
21	Harishchandra Astagi et.al.: Effect of nozzle opening pressure on the performance and emission of a DI diesel engine using linseed biodiesel; International Journal For Science And Advance Research In Technology, Volume No.4, Issue No.7, July 2018, 2395-1052.	RIJ
22	M.R. Nagaraj et.al.: CFD Analysis of Heat Sink Using Trapezoidal Fins and Comparing with Rectangular Flat Plate; International Journal for Science and Advanced Research in Technology, Volume 4, Issue 7, July 2018, PP 800-812.	
23	Mallikarjun Bhovi et.al.: Effect of pilot fuel injection , Timing and Mixing, Chamber type for Air Gaseous fuel Mixture on the performance , emission, and Combustion characteristics of Dual Fuel Engine; European Journal of Sustainable Development Research (2017-18)	RIJ
24	M. C. Navindgi et.al: High calorific value fuel from pyrolysis of waste de oiled seed cakes; Nature Environment and Pollution Technology Sept 2018, Vol.17, Issue.3, pp 102-106	RIJ (Scopus)
25	Srinivas Valmiki et.al.: Emission Characteristics of Totapuri Mango Methyl Ester Biodiesel fuelled single cylinder Four strokes Diesel Engine; International Journal of Research in Advent Technology, Nov 2018, Vol-6, No-11, 3226-3231, ISSN: 2321-9637.	
26	M. C. Navindgi et.al: Concept of Exergy for Temperature Systems; International Journal of Research in Advent Technology Dec 2018, Vol.Spl, Issue.Spl, 230-232	RIJ
27	M C Navindgi et.al.: Production and characterization of bio-oil by pyrolysis of mahua de-oiled seed cake; Energy Technology & Environmental Science, Chemistry Select -Chem Pub Soc Europe, Mar 2018, Vol.3, pp 1102-1107	Scopus

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Sl. No.	Title	Citation
1	M. C. Navindgi et.al: Study of fuel properties of Diesel Biodiesel Blend with Nano-Particles as Additives; International Journal of Engineering and Technology, July 2019, Vol., Issue.7, pp 3649-3652	RIJ
2	M. C. Navindgi et.al: Experimental Investigation of Improvement of Engine Performance using Cotton Seed Biodiesel with Ethanol Blending and EGR; International Journal of Engineering and Technology July 2019, Vol., Issue.7, pp 1478-1486	RIJ
3	M.C. Navindgi et.al.: Experimental Investigation of Performance and Emission Characteristics of Diesel Engine working with Neem Biodiesel and Ethanol Blend with EGR; International Journal of Engineering and Technology , Aug-2019, Vol.6, Issue.8, pp 326-335	RIJ
4	M. C. Navindgi et.al: Performance and Emission Characteristics of Diesel Engine with Exhaust Gas Recirculation (EGR) on Diesel and Neem Biodiesel Blends with Ethanol as Additive; International Journal of Engineering and Technology , Aug- 2019, Vol.6, Issue.8, pp 508-515	RIJ
5	M. C. Navindgi et.al: CFD Investigation on Optimized Basket Profile Elements in Ljungstrom Air Preheater; International Journal of Engineering, research and Technology , Aug- 2019, Vol., Issue.8, pp 1-4	RIJ
6	M. C. Navindgi et.al: Optimization and CFD Analysis on Profile Elements of Regenerative Rotary Air-Preheater; International Journal of Engineering, research and Technology, Aug- 2019, Vol., Issue.8, pp 516-519	RIJ
7	Srinivas Valmiki et.al.: Performance and Emission in IC Engine with Mango Seed Methyl Ester Blends. Paper ID : D6698048419; International Journal of Recent Technology and Engineering , Sept 2019, Vol -8, issue -3, Page No. 6173-6723, ISSN: 2277-3878.	RIJ
8	Omprakash Hebbal et.al.: Experimental Investigation on a Single Cylinder Diesel Engine with Cottonseed Oil Biodiesel with Diethyl Ether Additive; International Journal of Computer Applications: International conference on "Recent Trends in Science, Engineering, Business Studies, Humanities and Social Sciences" 30, 31 August and 1September 2019 at Sharnbasva University, Kalaburagi.	INC
9	Omprakash Hebbal et.al.: Performance Evaluation of a Single Cylinder Diesel Engine Using Waste Plastic Oil; International Journal of Computer Applications: International conference on "Recent Trends in Science, Engineering, Business Studies, Humanities and Social Sciences" 30, 31 August and 1September 2019 at Sharnbasva University, Kalaburagi	INC
10	Omprakash Hebbal et.al.: Simulation of Diffuser Augmented Wind Turbine Using Ansys Fluent; International Journal of Computer Applications: International conference on "Recent Trends in Science, Engineering, Business Studies, Humanities and Social Sciences" 30, 31 August and 1September 2019 at Sharnbasva University, Kalaburagi.	INC
11	Omprakash Hebbal et.al.: Experimental Investigation on Homogeneous Charge Compression Ignition (HCCI) Engine; International Journal of Computer Applications: International conference on "Recent Trends in Science, Engineering, Business Studies, Humanities and Social Sciences" 30, 31 August and 1September 2019 at Sharnbasva University, Kalaburagi	INC
12	Indumati Deshmanya et.al: Design and Analysis of Smart Composite Beams by FEA Approach; International Conference on Materials, Manufacturing and Design Engineering	INC

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1	Srinivas Valmiki et.al.: Influence Of CR And TBC On The Performance and Emission Attribute Of Mems Biodiesel Of DI-CI Engine ; International Journal of Mechanical and Production Engineering Research And Development , ISSN (P) : 2249-6890: ISSN(E) : 22498001 Vol.10, Issue 3, Jun 2020, 15389-15400	RIJ
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3	Omprakash Hebbal et.al.:Pumpkin Seed Oil Biodiesel An Alternative Fuel To Diesel: A Review : International Research Journal of Engineering and Technology, Oct 2020, Page no 700, e-ISSN:2395-0056, p-ISSN:2395-0072, volume:07 Issue:10	RIJ
4	Omprakash Hebbal et.al.: Impact of Different Volume Concentrations and Flow Rates on the Thermal Performance of Counter Flow Cylinder Shell and Helical Coil Heat Exchanger Using Cu/H2O Nano Fluids; SSRG International Journal of Thermal Engineering; Sep –Dec 2020, ISSN: 2395-0250/doi;10.14445 /23950250/IJTE-V613P103;	RIJ
5	Mallikarjun Bijapur; M.C.Navindgi et.al; Conductivity Studies on Polyaniline/Cadmium Oxide Composites Thin Film; International Journal of Mechanical Engineering (1(1):1-3,2020) ISSN:2693-3713	RIJ
6	M. C. Navindgi et.al: A brief about Aluminium Oxide Nano Particle dispersion in Biodiesel; International Journal of Innovative Science and Research Technology , July 2019, Vol., Issue.7, 136-139	RIJ