

RESUME

1. **Name** : **Dr. P. USHA SRI**
2. **Designation & Affiliation** : Professor,
Dept of Mechanical Engineering,
University College of Engineering (Autonomous)
Osmania University, Hyderabad – 500 007
Email id : emailushasri@yahoo.com ; Mobile No. : 9885899584
3. **Date of Birth** : March 19, 1972
4. **Areas of Specialization** : Turbo Machinery, CFD

5. **Academic Qualifications :**

| S.No. | Degree | University /Institution | Division / Equivalent |
|-------|--------------------------------|--|-------------------------------------|
| 1 | B.E.(Mechanical Engineering) | University College of Engineering, Osmania University, Hyderabad | First Class with Distinction (1992) |
| 2 | ME (Turbo Machinery) | University College of Engineering, Osmania University, Hyderabad | First Class with Distinction (2000) |
| 3 | Ph.D. | Indian Institute of Technology - Madras, Chennai | CGPA=9.25 (2007) |

6. **Experience Details:**

| S. No. | Organisation | Designation | Period of Service |
|--------|---|---------------------|-------------------------------|
| 1 | Mechanical Engineering Department, University College of Engineering, Osmania University, Hyderabad | Professor | From Jan 2012 to till date |
| 2 | Mechanical Engineering Department, University College of Engineering, Osmania University, Hyderabad | Associate Professor | From Jan 2006 to Jan 2012 |
| 3 | Mechanical Engineering Department, University College of Engineering, Osmania University, Hyderabad | Assistant Professor | From August 1997 to Jan 2006. |
| 4 | Dr. B R Ambedkar Govt. Model Residential Polytechnic College for Women, Karimnagar, A P | Lecturer | From Jan 1996 to July 1997 |

7. **Publications (As per Annexure 1) - 129**

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|--------------------------|----|
| International Journals | 89 |
| National Journals | 01 |
| International Conference | 28 |
| National Conference | 11 |

8. **Research Projects**

- Principal Investigator for an R&D Project Sanctioned by AICTE (Rs 10.16 Lakhs)
- Principal Investigator for Project under DST-PURSE Programme (Rs 5.0 Lakhs)

- 9. Research Guidance :** Ph.D. Guidance: 03 Awarded & 08 (Ongoing)
M. E Projects : 91 Completed & 03 (Ongoing)
- 10. Patent :** Patent for innovation is granted for the title of invention “Design of Nano-Magnetorheological Fluid Damper and Synthesis of the Nano-Magnetorheological fluid”for a term of eight years from 30June 2021. Patent number : 2021103737, Name of Inventors: P. Yagnasri, N. Seetharamaiah and P. Usha Sri.
- 11. Best Paper Award :** International Conference on Advancements in Aeromechanical Materials for Manufacturing ICAAMM-2020 organised by MLRIT, during 24-25 July 2020
- 12. Software Acquaintance:**
- a) **CAD and Analysis Software:** ANSYS-CFX, TascFlow, Turbogrid, Bladegen, AutoLisp, AutoCAD, I-deas, ANSYS-FLUENT, SciLab
- b) **Programming languages :** C, C++, Java, Servlets
- 13. Positions held in University**
- a) **Present :**
- 1) Member, Doctoral committee, Dept. of Mechanical Engg., University College of Engineering, OU.
- b) **Past :**
- 1) Hostel Warden (General) , Ladies Hostel, Osmania Univeristy (1998-99)
 - 2) Faculty Incharge, Computer Lab of Mechanical Engineering Dept. UCE,OU for 5 years during 1997-2002.
 - 3) Faculty Incharge, CAD/CAM Laboratory of Mechanical Engineering Dept. UCE,OU during 2007-08
 - 4) Departmental Convenor for ME - PTPG Admissions 2008-09, UCE, OU
 - 5) Faculty Advisor for ME Turbomachinery Course during 2009-2011.
 - 6) Member, Library Committee, University College of Engineering, Osmania University
 - 7) Faculty Incharge, M.E. Examinations in Mechanical Engineering Dept. UCE, OU during 2007-08.
 - 8) Faculty Advisor-Foreign Students of College 2007-2014.
 - 9) Chairperson, BoS (Autonomous), Mechanical Engg. from May01, 2013-Sept26,2015.
 - 10) Chairperson, BoS (University), Mechanical Engg. From Oct26, 2016
 - 11) Faculty Incharge, Thermal Engineering Lab, Mechanical Engg.Department, UCE,OU.
 - 12) Convener, Committee on Sexual Harassment of Women at Work Place (CASH), University College of Engineering, OU.
 - 13) Member, Academic council of Vasavi College of Engineering.
 - 14) Governing body member for Radhe Krishna College for Women
 - 15) Director, CFD Center, University College of Engineering, OU from 2008.
 - 16) Head, MED, UCE, OU from 6th Feb 2017 to 6th Feb 2019.
- 14. Conferences/ Workshops/Events Organised**
- 1) organizing secretary for 62ndCongress of The Indian Society of Theoretical and Applied Mechanics (an International meet) during 15-18 December 2017.

- 2) organizing secretary for one week workshop on “Engineering Research Methodologies” (TEQIP-III sponsored) at MED, UCE, OU, Hyderabad during Dec 04 - 07, 2017.
- 3) organizing secretary for one week workshop on “Engineering Research Methodologies” (TEQIP-III sponsored) at MED, UCE, OU, Hyderabad during June 18-22, 2018.
- 4) Head of the Department for One day workshop on Design & Analysis of Mechanical Systems on 31st August, 2017
- 5) Organized a two day workshop on Powder Metallurgy during November 2017.
- 6) Organized a National Conference on Advances in Mechanical engineering and Nano Technology (AMENT) during 29th -30th June 2018.
- 7) Head of the Department for 10th Prof. Abid Ali Endowment Lecture by Dr. Palle Rama Rao, ARCI, on Feb 01, 2019.
- 8) Head of the Department for National Seminar on "Surface Coating Technologies" on 16th March, 2018, Sponsored by TEQIP-III.
- 9) Convener for One Day Workshop on “Better health awareness and life” (Better Half) organised for women staff of University College of Engineering at UCE, Osmania University, Hyderabad on March 09, 2015.
- 10) Convener for One Day Workshop on “Awareness and empowerment of Women (AEW2K14)” organised for women staff of University College of Engineering at UCE, Osmania University, Hyderabad on March 10, 2014.
- 11) Technical Review committee member and organising committee member for SAROD-2013, Symposium on Applied Aerodynamics and Design of Aerospace Vehicles (SAROD), ASL, DRDO, Hyderabad, Scheduled during November 21-23, 2013.
- 12) Conducted a Meet of Women teaching faculty of University College of Engineering, Osmania University on the occasion of International Women’s Day on March 8, 2013.
- 13) Convenor for an International Conference on Reforms in Technical Education – Global Trends, ICORTE-2010, organised by Mechanical Engineering Dept., University College of Engineering, Osmania University, Hyderabad during August 27-28, 2010.
- 14) Convenor for Three day Training Programme on “Finite Difference Methods” , July 5-7, 2010 conducted at CFD Center, University College of Engineering, Osmania University, Hyderabad.
- 15) Convenor for Two day Training Programme on ANSYS-CFX, October 15-16, 2009 at University College of Engineering, Osmania University, Hyderabad.
- 16) Faculty advisor for National level technical Symposium MECHARENA-2009 organised during 27thFeb to 1st March 2009 at Dept. of Mechanical Engineering, University College of Engineering, Osmania University.
- 17) Convenor for TEQIP sponsored Two day Community Service Programme on “AutoCAD-2007” conducted in collaboration with Academy of Design and Architecture, authorised AutoCAD resellers in the state during December 1-2, 2006.
- 18) Offered Software Training to BHEL (R&D) Project assistants in Ideas software in 1999.

13. Guest Lectures Delivered

- 1) Delivered a Keynote lecture on “Computational Fluid Dynamics” at Two day Training Programme on ANSYS-CFX, October 15-16 , 2009, University College of Engineering, Osmania University, Hyderabad
- 2) Delivered a key note lecture on “CFD Theory and Applications” at Three day workshop on “The application of CFD Tools for Modeling and Analysis of Turbo Machinery Components” July 9-11, 2010 organised by Sreenidhi Institute of Science &Technology Ghatkesar, Hyderabad

- 3) Delivered a Guest lecture on “CFD-Thermal Engineering” at 2-Day workshop on “Advances in Thermal Engineering” Aug 13-14, 2010 organised by CMR College of Engineering & Technology, Kandlakoya, Hyderabad.
- 4) Delivered a Guest lecture on “CFD-Applications” at a Two day workshop on “Computational Fluid Dynamics Applications”, September 29- 30, 2010, organised by Vasavi College of Engineering, Hyderabad
- 5) Delivered a guest lecture on “Research Work – Thermal Engineering” at a work shop on Research Methodology, Feb 2-4, 2012 conducted by Dept. of Mechanical Engineering, University College of Engineering, Osmania University.
- 6) Delivered Keynote address as Guest of honour for the annual day celebrations of Bharat Institute of Technology for Women on April 7, 2013.
- 7) Delivered guest lecture on CFD-Applications at National conference on Recent Innovations in Mechanical Engineering at MVSR College of Engineering, 21-22, Nov 2014.
- 8) Delivered lecture about the workshop as convener of One Day Workshop on “Better health awareness and life” (Better Half) organised for women staff of University College of Engineering at UCE, Osmania University, Hyderabad on March 09, 2015.
- 9) Delivered guest lecture on introduction to CFD at a Workshop on Numerical Methods, organised at UCE, OU during 22-23, October, 2016.
- 10) Delivered guest lecture on Research in Turbomachinery at “Advances in Research and Innovations in Mechanical Engineering “ a workshop organised by Muffakham Jah College of Engineering and Technology, Hyderabad during 30-31, Jan and 1, Feb,2017
- 11) Delivered a guest lecture on “ Research Proposal and Report Writing”, Workshop on Research Methodology, organized by the Department of Mechanical Engineering, UCE, OU during June18-22, 2018.
- 12) Delivered guest lecture on “Computational Fluid Dynamics” at Training programme on “Finite Element Methods for Analysis and Design of Hydraulic Structures using ANSYS” during 02 – 14 September, 2019 organised by ESCI, Hyderabad.
- 13) Delivered guest lecture on “Flow through Centrifugal Compressors” at Refresher Course on “Advances in Thermal Engineering” during 18-11-2019 to 30-11-2019 organised by JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
- 14) Delivered guest lecture on “Flow through Axial Compressors” at Refresher Course on “Advances in Thermal Engineering” during 18-11-2019 to 30-11-2019 organised by JNTUH College of Engineering Hyderabad, Kukatpally, Hyderabad, T.S.
- 15) Delivered guest lecture on “Computational Fluid Dynamics” at Training programme on “Finite Element Methods for Analysis and Design of Hydraulic Structures using ANSYS” during 04 – 16 November, 2019 organised by ESCI, Hyderabad.
- 16) Delivered guest lecture on “CFD Analysis for thermal fluid flows” at Three Day National Level Webinar on “ADVANCES IN THERMAL SCIENCES & FLUID FLOWS” 24th-26th JULY 2020, Organized by Department of Mechanical Engineering MVSR ENGINEERING COLLEGE, Hyderabad, T.S.

14. Academic Contributions :

- 1) Head, Department of Mechanical Engineering, from 06-02-2016 to 06-02-2019
- 2) CBoS in Mechanical Engineering
- 3) Governing body member for RadheKrishna College for Women
- 4) Attended as member of Academic Council of VCE, on 18-06-2016.
- 5) As chair person BoS, introduced New scheme n syllabus for both PG and UG according to CBCS from the year 2015-16.

- 6) Introduced a new Theory Subject “Computational Fluid Dynamics” for P.G. Courses- M.E.(Turboamchinery & CAD/CAM) from academic year 2006-07
- 7) Introduced a new Lab Course “Computational Fluid Dynamics Lab” for P.G. Courses- M.E.(Turboamchinery) from academic year 2010-11.
- 8) Introduced a new Theory subject “Computational Fluid Flows” for B.E. Course in Mechanical Engineering from academic year 2006-07
- 9) Introduced a new Theory subject “Numerical Methods” for P.G. Courses- M.E.(Mechanical –all Specialisations) from academic year 2010-11

15. Chairing Session in Intl/national conferences:

1. Chaired a Technical Paper Presentation session at Two Days International E-Conference on Sustainable Development in Mechanical Engineering(SDME 2020) during October 30-31, 2020 organised by VNR Vignan Jyothi Institute of Engineering & Technology, Hyderabad.
2. Chaired a Technical Paper Presentation session at Sixth International Conference on Natural Polymers, Bio-Polymers, Bio-Materials, their Composites, Nanaocomposites, Blends, IPNs, Polyelectrolytes and Gels: Macro to Nano Scales (ICNP – 2018) 7-9 December 2018, Kottayam, Kerala, India”
3. Co-Chaired Technical Sessions at 62nd Congress of The Indian Society of Theoretical and Applied Mechanics ISTAM (an International meet) during 15-18 December 2017 at UCE, OU, Hyderabad.
4. Co-Chaired a Technical Paper Presentation Session at International Conference on Advances in Materials and Manufacturing (ICAMM-2016) held during December 8-10, 2016. The Conference was Jointly Organised by the Dept. of Mechanical Engineering, OUCE and DRDL, Hyderabad
5. Session Chaired in National Conference on Innovative Trends in Mechanical & Automobile Engineering (ITMAE – 2016) 11-12 February, 2016 organised by MVSR Engineering College, Nadergul, Hyderabad.
6. session chairperson, attended a National Conference on Recent Innovations in Mechanical Engineering at MVSR College of Engineering, 21-22, Nov 2014.
7. session chair for National Conference on Advances in Mechanical Engineering (AIM – 2012), organised by Dept. of Mechanical Engineering Vasavi College of Engineering, Hyderabad during October 11-12, 2012.
8. Co-chair for National conference on Recent Advances in Mechanical Engineering , 16 - 17th March 2012 organised at Dept. of Mechanical Engineering, University College of Engineering, Osmania University.
9. Chaired a session in National conference at Vasavi College of Engineering-2009.
10. Chaired technical session (CFD) for International conference “Indian Society of Theoretical and Applied Mechanics ISTAM” held during 27-30 Dec 2008, organised by UCE, OU, Hyderabad.

Annexure 1

Details of Publications

International Journals

- 1) PSRK Nageswara Rao, P. Usha Sri and K. Vizayakumar, Modeling a Manufacturing Enterprise – A systems approach, International Journal of Mechanical Engineering and Technology(IJMET), Volume 13, Issue 1, January 2022, pp.19-26.

- 2) B. T. Naik, M.V.S. Murali Krishna and P. Usha Sri “*Determining the Performance Parameters of Carbureted Butanol and Plastic Oil Blended with Diethyl Ether*” Novel Perspectives of Engineering Research Vol. 5, 4 January 2022 , Page 63-76
- 3) B. T. Naik, M.V.S. Murali Krishna and P. Usha Sri “Control of Pollutants from Ceramic Coated Diesel Engine with Carbureted Butanol and Plastic Oil” Ecology, Environment and Conservation Journal volume 27, issue 4, 2021 pp 1830-1838
- 4) B. T. Naik, M.V.S. Murali Krishna and P. Usha Sri “ Investigations on Pollutants from Ceramic Coated Diesel Engine with Carbureted Butanol and Plastic Oil”, International Journal of Mechanical Engineering and Technology (IJMET), Volume 12, Issue 10, October 2021, pp. 11-22.
- 5) B. Rama Krishna, M.V.S. Murali Krishna and P. Usha Sri “Comparative investigations on exhaust emissions of insulated diesel engine and conventional diesel engine with biogas” International Journal of Emerging Technologies and Innovative Research (JETIR) Volume 8, issue 8, August 2021, ISSN-2349-5162
- 6) B. Rama Krishna, M.V.S. Murali Krishna and P. Usha Sri “ Comparative investigations on performance parameters of insulated diesel engine and conventional diesel engine with biogas” International Journal of Science, Technology and Development, Volume X, issue VIII AUGUST 2021, ISSN:0950-0707
- 7) B. Rama Krishna, M.V.S. Murali Krishna and P. Usha Sri “*Influence of injection pressure on exhaust emissions of insulated diesel engine fuelled with biogas and biodiesel*”, International Journal of Mechanical Engineering and Technology (IJMET), Volume 12, Issue 7, July 2021, pp. 23-32.
- 8) B. Rama Krishna, M.V.S. Murali Krishna and P. Usha Sri “*Experimental investigations on exhaust emissions of diesel engine fuelled with biogas*”, International Journal of Mechanical Engineering and Technology (IJMET), Volume 12, Issue 7, July 2021, pp. 1-9.
- 9) Kandari Lowkya, P. Usha Sri “*Hydraulic Draft Tube Performance With Varying Geometric Configurations*” International Research Journal of Engineering and Technology (IRJET) Volume 8, Issue 6, June 2021, <https://www.irjet.net/volume8-issue6>, S.No: 291
- 10) P. Yagnasri, N. Seetharamaiah and P. Usha Sri “*Performance of Nano Magnetorheological (MR) Fluid Based on NiFe₂O₄ Nanoparticles*” Nano World Journal, Volume 7, issue 1, April 2021
- 11) Jagadeshwar Kandula, P. Usha Sri, Ravinder Reddy. P, S.K.Gugulothu. “*Numerical and experimental evaluation of near wake cavitation flow around axisymmetric cavitators., Ships and offshore Structures*”, Taylor & Francis, 03 Mar 2021.
- 12) Jagadeshwar Kandula , Usha Sri P , Ravinder Reddy P & S.K. Gugulothu “*Experimental investigation of near-wake characteristics of hydrodynamic cavitating flow around circular cylindrical pins of different geometries with and without ultrasonic transducers*”, Advances In Materials And Processing Technologies, Dec 2020 Taylor & Francis.
- 13) G. Sayanna, M.V.S. Murali Krishna and P. Usha Sri “*Experimental Investigations on Injection Timing Variation at an Injector Opening Pressure of 190bar on Semi- Adiabatic Diesel Engine with Exhaust Gas Recirculation*”, International Journal of Mechanical Engineering and Technology (IJMET), Volume 11, Issue 10, October 2020, pp. 19-27

- 14) Jagadeshwar Kandula, P. Usha Sri, P. Ravinder Reddy and S.K. Gugulothu, “*Numerical and experimental cavitation assessment of near-wake characteristics of hydrodynamic performance characteristics of cavitating flow with and without ultrasonic transducers*”, Journal of Measurement, ELSEVIER, November 2020
- 15) C. Hari Venkateswara Rao, P. Usha Sri and R. Ramanarayanan, “*CFD Simulation Study on Shell Made of Composite Material when Subject to Temperatures Above 3000 Degrees Centigrade*” Journal of New Developments in Chemistry Vol-3, Issue-1, pp. 32-40
- 16) G. Sayanna, M.V.S. Murali Krishna, P. Usha Sri and M. Ravi Chandra, “*Experimental Investigations on Exhaust Emissions of semi- Adiabatic Diesel Engine with Exhaust Gas Recirculation*” Journal of Pollution Research Vol.39(3):2020 pp. 685–691
- 17) G. Sayanna, M.V.S. Murali Krishna and P. Usha Sri “*Experimental Investigations on Semiadiabatic Diesel Engine With Exhaust Gas Recirculation Fuelled with Tamarind Boidiesel*” International Journal of Production Technology and Management (IJPTM) Volume 11, Issue 1, January-June, 2020, pp. 8–21, Article ID: IJPTM_11_01_002 Journal Impact Factor (2019): 7.2150
- 18) A. Haritha Reddy, P. Usha Sri, Evaluation of Thermal Properties of Water Blends and Nano ALSIC Blends for Heat Transfer Applications, International Journal of Advanced Science and Technology, IJAST, Vol. 28, No. 20, 2019, pp. 1450-1457.
- 19) P. Yagnasri, Dr. N. Seetharamaiah and Dr. P. Usha Sri, “*A review on methods of Nano particle synthesis and Nano Magnetorheological Fluid applications*” International Journal of Research and Analytical Reviews (IJRAR) Volume 5, issue 3, July 2018. E-ISSN 2348-1269, P-ISSN 2349-5138.
- 20) N. Leela Prasad, P. Usha Sri, K. Vizayakumar, “*Life Cycle Assessment of a Wind based Electric Power Generation System: An Indian Perspective*”, International Journal of Modern Engineering and Research Technology (IJMERT) Volume 5, Special Issue, June, 2018
- 21) K. Hemalatha, P. Usha Sri, N. Seetaramaiah “*Experimental investigation of Magnetorheological Fluid Clutch*”, International Journal of Scientific Research and review, Volume 7, issue 6, 2018, ISSN No: 2279-543X, pp. 333-343.
- 22) K. Hemalatha, P. Usha Sri, N. Seetaramaiah “*Performance Evaluation and Validation of Magneto Rheological Fluid Clutch*”, International Journal of Applied Engineering Research ISSN 0973-4562, Volume 12, Number 18 (2017) pp. 7572-7578
- 23) A. Haritha Reddy, P. Usha Sri, Nano Fluids Preparation Methods and its Effects on Heat Transfer – A Review, Anveshana’s International Journal of Research in Engineering and Applied Sciences, AIJREAS Volume 3, Issue 5, May 2018, ISSN-2455-6300.
- 24) C. Hari Venkateswara Rao, P. Usha Sri, R. Ramanarayanan “*Nano Filler Composite Material Study For Aero Space Application*”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), 2017, e-ISSN: 2278-1684, p-ISSN: 2320-334X PP. 64-68 www.iosrjournals.org
- 25) K. Hema Latha. P. Usha Sri, N. Seetharamaiah, “*Design and Manufacturing Aspects of Magneto-rheological Fluid (MRF) Clutch*” Elsevier, Materials today: Proceedings 4 (2017) 1525–1534, 5th International Conference of Materials Processing and Characterization (ICMPC 2016).

- 26) K. Hema Latha, P. Usha Sri, N. Seetharamaiah, “*Magneto Static Analysis of Magneto Rheological Fluid Clutch*” IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334X, Volume 13, Issue 3 Ver. V (May- Jun. 2016), PP 35-42
- 27) C. Hari Venkateswara Rao, P. Usha Sri, R. Ramanarayanan “*Experimental Study on Pan Based Composites with Multi Filler Material*”, International Journal of Engineering Technology ISSN:2319-9873, Volume 5, Issue 3, September, 2016.
- 28) C. Hari Venkateswara Rao, P. Usha Sri, R. Ramanarayanan “*Investigation Study on Silica Filler Pan Based Composite Laminates*”, International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) ,ISSN:2456-1290, Vol 1, Issue 4, August 2016.
- 29) D. Srikanth, Maddali V S Murali Krishna, **P. Usha Sri**, M. Ravi Chandra “*Experimental investigations on performance parameters and combustion characteristics of low heat rejection diesel engine with preheated cottonseed biodiesel with varied injection pressure*”, International Journal of Mechanical Engineering and Technology (IJMET) Volume 8, Issue 5, May 2017 ISSN Print: 0976-6340
- 30) D. Srikanth, M.V.S. Murali Krishna & **P. Usha Sri**, “*Influence of injection timing on performance parameters and combustion characteristics of high grade semi adiabatic diesel engine with cotton seed biodiesel*”, international journal of automobile engineering research and development (ijauerd) issn(p): 2277-4785; issn(e): 2278-9413 vol. 6, issue 2, apr 2016, 1-14
- 31) Ch. Indira Priyadarsini, T.M. Bindu, M V S Murali Krishna, Dr. P. Usha Sri “*Thermal Analysis of Piston Crown Coated with Copper*”, IJAR, Volume - 7 | Issue - 6 | June - 2017 | ISSN - 2249-555X | IF : 4.894 | IC Value : 79.96
- 32) Ch. Indira Priyarsini, Maddali V. S. Murali Krishna, P. Ushasri and Machiraju Aditya Seshu, “*Control of Aldehydes with Copper Coated Four Stroke Spark Ignition Engine with Methanol Blended Gasoline with SCR Technique*”, International Journal of Current Engineering and Technology, Vol.6, No.3, June 2016.
- 33) K. Hema Latha, P. Usha Sri and N. Seetharamaiah “*Magneto Static Analysis of Magneto Rheological Fluid Clutch*” IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 13, Issue 3 Ver. V May 2016, PP 35-42.
- 34) D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri, “*Influence of injection timing on performance parameters of high grade semi adiabatic diesel engine with cotton seed*”, JMIE Volume 6, Issue 4, ISSN: 2249-0558, April-2016
- 35) Ch. Indira Priyarsini, Maddali V. S. Murali Krishna, P. Ushasri and Machiraju Aditya Seshu, “*Control Of Pollution Levels of Four Stroke Spark Ignition Engine Fuelled With Methanol Blended Gasoline*”, International Journal of Application or Innovation in Engineering & Management (IJAIEM), Volume 5, Issue 4, April 2016.
- 36) D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri “*Influence of injection timing on performance parameters and combustion characteristics of high grade semi adiabatic*

- diesel*”, TJPRC, Vol. 6, Issue 2, ISSN(P): 2277-4785; ISSN(E): 2278-9413 Apr 2016, 1-14.
- 37)D. Srikanth, M.V.S. Murali Krishna and P. UshaSri ,“*Influence of preheating on performance parameters and combustion characteristics of high grade semi adiabatic diesel engine with cottonseed biodiesel*”, IJREAS VOLUME 6, ISSUE 3(March,2016), (impact factor –6.573)
- 38)D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri, “*Effect of Injection Pressure and Timing on Performance Parameters and Exhaust Emissions of High Grade Semi Adiabatic Diesel Engine with Cotton Seed Biodiesel*”, International Journal of Innovative Research in Science, Engineering and Technology ,Vol. 5, Issue 3, March 2016
- 39)D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri, “*Impact of Injection Pressure on Performance Parameters of High Grade Semi Adiabatic Diesel Engine with Cotton Seed Biodiesel*”, International Journal of Thermal Technologies, Vol.6, No.1 (March 2016)
- 40)D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri “*Experimental investigations on performance parameters of high grade semi adiabatic diesel engine with cotton seed biodiesel*”, International Journal of Mechanical Engineering and Technology (IJMET) Volume 7, Issue 1, Jan-Feb 2016, pp. 42-57
- 41)D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri “*Experimental investigations on exhaust emissions of high grade semi adiabatic diesel engine fuelled with cotton seed biodiesel*”, International Journal of Scientific & Engineering Research, Volume 7, Issue 1, January-2016 604 ISSN 2229-5518
- 42)D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri ,”*Effect of Injection Pressure On Performance Parameters And Combustion Characteristics Of High Grade Low Heat Rejection Diesel Engine With Preheated Cotton Seed Biodiesel*”, International Journal of Application or Innovation in Engineering & Management (IJAIEM) Volume 5, Issue 1, January 2016. ISSN 2319 – 4847
- 43)D. Srikanth, M.V.S. Murali Krishna and P. Usha Sri , “*Effect of injection pressure on performance parameters and combustion characteristics of high grade semi adiabatic diesel engine with cotton seed biodiesel*”, International Journal of Automobile Engineering and Engineering (IJAUE) Volume 3, Issue 1, Jan-June 2016, pp. 01-15
- 44)Maddali .V. S. Murali Krishna, Ch. Indira Priyadarsini, Y.Nagini, N.Saradha, P.Ushasri and D.Srikanth, “*Effect of spark igni tion timing on copper coated spark ignition engine with alcohol blended gasoline with catalytic converter*”, Proceedings of the ASME 2015 International Mechanical Engineering Congress and ExpositionMECE2015November 13–19, 2015, Houston, Texas, USA.

- 45) C. Hari Venkateswara Rao, P. Usha Sri, R. Ramanarayanan, Transition Temperature Behaviour in Pan Based Composite Materials with and without Sic Filler, International Journal of Mechanical and Industrial Technology ISSN 2348-7593 (Online) Vol. 3, Issue 2, pp: (1-6), October 2015.
- 46) K. Hema Latha, P. Usha Sri, N. Seetharamaiah and Qamer pasha, “*Design and FE Analysis of Magneto-rheological Fluid (MRF) Clutch for Automotive Applications*”, International Conference on Emerging Trends in Science Technology Engineering and Management 09th & 10th, October 2015.
- 47) N. Janardhan · Maddali V S Murali Krishna · P. Usha Sri · Influence of Injection Timing on Exhaust Emissions and Combustion Characteristics of Low Heat Rejection Diesel Engine with Air Gap Insulation, International Journal of Current Engineering Technology 10/2015; 12 Oct 2015, Vol.5, No.5 (Oct 2015).
- 48) M V S Murali Krishna, T Ohm Prakash, P Ushasri, N Janardhan, P V K Murthy, Experimental investigations on direct injection diesel engine with ceramic coated combustion chamber with carbureted alcohols and crude jatropha oil, Elsevier, Renewable and Sustainable Energy Reviews 53 (2016) 606–628 (Impact Factor: 5.9). 09/2015; 53:606-628.
- 49) N. Janardhan · Maddali V S Murali Krishna, P. Ushasri Studies on influence of injection pressure on performance parameters of diesel engine with high grade insulated combustion chamber with crude jatropha oil operation, International Journal of Current Engineering Technology Vol.5, No.4, Aug 2015
- 50) N. Janardhan · Maddali V S Murali Krishna · P. Ushasri · Studies on influence of injection pressure on exhaust emissions of diesel engine with high grade insulated combustion chamber with crude jatropha oil operation, International Journal of Current Engineering Technology 06/2015;
- 51) N. Janardhan · Maddali. V. S. Murali Krishna · P. Usha Sri · Studies on influence of injection pressure on performance parameters of diesel engine with medium grade low heat rejection combustion chamber, International Journal of Application or Innovation in Engineering and Management 06/2015; 4(5), 362-375.
- 52) N. Janardhan, Maddali V S Murali Krishna, P. Usha Sri, Experimental Investigations on Performance Parameters of Diesel Engine with Ceramic Coated Insulated Combustion Chamber with Jatropha Oil with Varied Injection Pressure, International Journal of Thermal Technologies 06/2015; 5(2), 112-121.
- 53) P. Usha Sri and J. Deepti Krishna, Computational Analysis Of Centrifugal Compressor With Grooves On Casing, International Journal of Mechanical Engineering & Technology (IJMET). ISSN 0976 – 6340(Print), ISSN 0976 – 6359(Online), Volume 6, Issue 2, February (2015), pp. 01-09. Impact Factor (2015): 8.8293
- 54) Maddali V S Murali Krishna, D. Srikanth, P. Usha Sri, Studies on exhaust emissions of air gap insulated DI diesel engine fuelled with crude cotton seed oil and its biodiesel International Journal of British, (UK), ISSN: 2349–9419,. 12/2014; December, 1(4). 50–60

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- 2) C. Hari Venkateswara Rao, P. Usha Sri and R. Ramnarayanan, Experimental Investigation of on Phenolic Based Composites with Filler Material, National Conference on Fast Emerging Trends in Engineering and Technology (NCOFEET-2K15) organized by Bharat Institute of Engineering and Technology, during March 25-26, 2015.
- 3) Ch. Indira Priyadarsini, P.Usha Sri, M.V.S. Murali Krishna, K. Kishore and Y. Nagini, Flow Analysis of Emissions through Catalytic Converter, National Conference on Advances in Mechanical Engineering and Renewable Energy organized by CBIT, Hyderabad, during March 25-26, 2013.
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Lecture Notes

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