

BIO - DATA



1. Name : Prof. B. Durga Prasad
2. Date of Birth : 05-08-1965
3. Residential address :
s/o late Sri. B. B.K. Ratnakara Rao,
3-29/E, K.M Colony, Opp to JNTUCEA,
ANANTHAPURAMU- 515002.
Mobile. No: 9441074399
Email.ID: mukdhajntua@gmail.com
4. Designation : PROFESSOR, HOD(MECHANICAL
ENGINEERING JNTUACEA) & VICE -
PRINCIPAL JNTUACEA
5. Department : Mechanical Engineering, J.N.T.U.A.C.E.A.
ANANTHAPURAMU
6. Area of specialization : Thermal Engineering.
7. Educational Qualifications :

S.No.	Examinations Passed	Name of the University	Year of Passing	Class Secured	Exact % of Marks	Subject of Exam & Specialization
1.	B.Tech(Mech)	JNTUCEA, ANANTAPUR	1988	First Class	69.83	MECHANICAL
2.	M.Tech	- DO -	1993	First Class	63	R&AC
3	Ph.D	- DO -	2001		-	I.C. Engines

8. Teaching Experience:

S.NO	Name of the University	Designation	Period	
			From	To
1	JNTUACEA, ANANTHAPURAMU	Professor, HOD(Mechanical Engineering JNTUACEA) & Vice - Principal JNTUACEEA	16-11-2012	Till date
2	JNTUCEA, ANANTHAPURAMU	Associate Professor	16.11.2006	15-11-20
3	J.P.R. Engineering college, Ch	Principal	17-01-2006	15-11- 2006

4	Sathyabama deemed University, Chennai	Professor	01-03-2002	16-01-2006
5	Sathyabama deemed University, Chennai	Assistant Professor	01-06-1996	28-02-2002
6	Sathyabama deemed University, Chennai	Lecturer	15-11-1995	31-05-1996
7	JNTUCEA, ANANTAPUR	Teaching Assistant	23-01-1989	13-11-1995

9. Awards:

Received Best Teacher Award from State Government of Andhra Pradesh in September 2017.

10. Research work done since taking the first research degree:

- Guided **150 M.Tech** dissertation works.
- Guided **Ph.D** for **4** students registered with Sathyabama deemed University, Chennai.
- Guided **Ph.D** for **25** students registered with JNTUA, Anantapuramu and Guiding **14 Ph.D** Scholars registered with JNTUA, Anantapuramu.
- Acted as doctoral committee member for **6** Research scholars registered with Anna University. Chennai.
- Acted as doctoral committee member for **4** Research scholars registered with Annamalai University. Chidambaram.
- Acted as doctoral committee member for **12** research scholars registered with Sathyabhama university Chennai.

11. Details of books, research and other publications:

- (i) Research papers : **International Journals - 150.**
- (ii) Other publications : **National Conferences -55**
: **International Conferences- 48**
- (iii) Seminars attended : **National Level Seminars – 40.**
- (iv) Seminars conducted : **National Level -15**

12. Research Projects

- : Contributed to get Research projects from AICTE, IGCAR, and Department of Science & Technology, New Delhi.

13. Membership in professional bodies, editor ship of Journals etc.

- The member of “Indian society of Technical education (ISTE).
- Life member of society of Automobile Engineers (SAE INDIA).
- Life member of Quality circle forum of India (QCFI).
- Life member of the combustion Institute (Indian Section).
- Life member of the American Society of Mechanical Engineers(ASME)

14. Activities of various positions:

- Chairman of Research Regulation committee of JNTUA College of Engineering Ananthapuramu.
- Chairman of P.G Board of Studies of JNTUA College of Engineering Ananthapuramu
- Chairman for Board of studies U.G (Mechatronics & Aeronautics) JNT University Ananthapuramu.
- Officer In-Charge of Hostels, in JNTUA College of Engineering, Anantapuramu.
- Officer In-charge of academic Section (OAS) in JNTUA College of Engineering, Anantapuramu.
- Governing body member for affiliated Colleges in JNTUA College of Engineering, Anantapuramu.
- Alumni Association secretary in JNTUA College of Engineering, Anantapuramu.
- Member For Internal Promotion Committee For Non-Teaching Staff in JNTUA College Of Engineering, Anantapur

- Vice-President of Teaching Staff association in JNTUA College of Engineering, Anantapur.

- Acted as President of Teaching Staff association in JNTUA College of Engineering, Anantapur.
- Co- Convener APECET-2015, 2016, 2017, 2018, 2019,2020 & 2021.
- Head of the Mechanical Engineering Department, JNTUA College of Engineering, Anantapuramu. From 2014 to April 2018
- Served as controller of Examination (PG), JNT University Anantapur
- Presently working as HOD(Mechanical Engineering Department) & Vice-Principal of JNTUACEA.

15. RESEARCH PUBLICATIONS

National & International Journals:

1. Prof. B. Durga Prasad Published a paper title of An anti-drowsiness alarm-vibration arrangement on the steering of a HMV in international journal of technical innovation in modern engineering and science (IJTIMES) vol 3 issue 10 october 2017.
2. Prof. B. Durga Prasad Published a paper title of controlling of formation of hot spots in Si engines by altering the material of insulator tip of spark plug, published in international research journal of engineering and technology (IRJET), vol.4 issue 10, Oct, 2017.
3. Prof. B. Durga Prasad Published a paper title of performance enhancement of domestic refrigerator using phase change materials mixed with nano fluid, published in international journal of technical innovation in modern engineering and sciences (IJTIMES), Vol.3 issue 09, Sept, 2017.
4. Prof. B. Durga Prasad Published a paper title of experimental analysis on house hold refrigerators through the integration of latent heat storage elements in wire and tube condensers and peltier module at the evaporator, published in journal emerging technologies and innovative research, Vol.4 issue 10, October 2017.
5. Prof. B. Durga Prasad Published a paper title of automatic railway track crack detecting vehicle, published in journal of emerging technologies and innovative research, vol.4, issue 10, oct, 2017.
6. T. K. Tharekeswar, KN. Seetharamu, B. Durga Prasad, Published a paper title of Multi- objective optimization using bat algorithm for shell and tube heat exchangers, in Elsevier, 2017
7. P. Naresh, S.A. Hussain, & B.Durga Prasad, has published a paper titled a review on multiple responses process parameters optimization of turning AI-TICp metal matrix composites, journal of achievement in materials and manufacturing Engineering, 2017.
8. Shaik Hussain, Dr. B. Sudheer Prem Kumar, & Dr. B. Durga Prasad, has published a paper titled investigations on combustion characteristics of CI diesel engine using PSME with varied parameters, international journal of innovative research in science, engineering and technology, vol6, issue 1 january,2017
9. V. Siva Rama Krishna, Dr. K. Vijaya Kumar Reddy & Dr. B. Durga Prasad ha published a paper titled, Investigations on combustion characteristics of compression- ignition diesel engine with controlled atomisation using bio-diesel, international journal of innovative research in science, engineering and technology, Vol.6, issue 1, January 2017.

- 10.V. Dattatreya, B.R ramesh Babu, Dr. B. Durga Prasad published a paper titled "Analysis of Combustion and performance characteristics of multi layer HVOF and plasma ceramic coatings on piston in a diesel engine. Advances in natural and applied sciences, 2017.
- 11.V. Dattatreya, B.R ramesh Babu, Dr. B. Durga Prasad jogindar singh published a paper titled "Study of combustion characteristics on single cylinder direct injection diesel engine with plasma and HVOF coated ceramic powders on piston crown" international conference on advances in materials manufacturing and applied science, 2017.
- 12.G. Prasanna Kumar, N. Seetha ramaiah B. Durga Prasad Published a paper titled 'improvement of surface quality using magneto- rheological fluid (MRF) boring bar, international journal of dynamics of fluids, 2017.
- 13.K. Usha rani, Prof. G. Nagamalleswara rao Prof. B. Durga Prasad , Published a paper title of investigation and optimization of commercial refrigeration cycles using natural refrigerant CO₂, in international journal of research in applied science and engg. Tech., (IJRASET), 2016 IMPACTOR FACTOR 5.001.
- 14.V. Bharat, B. Durga Prasad, Prabhakar M. Bhovi & K. Venkateswarulu published a paper titled Sliding wear response of Beryl reinforced aluminium composite – A factorial design approach in material science and engineering, 2016.
- 15.Shaik Hussain, Dr. B. Sudheer Prem Kumar, & Dr. B. Durga Prasad, has published a paper titled Performance analysis of CI diesel engine using Methyl Esters and carbonate blends with biodiesel as substitute fuel , international journal of innovative research in science, engineering and technology, vol5, issue 7, July,2016.
- 16.V. Siva Rama Krishna, Dr. K.Vijaya Kumar Reddy & Dr. B. Durga Prasad, has published a paper titled Evalutaion of performance and emission characteristics of CI diesel engine using Biodiesel with adiabatic concept, international journal of innovative research in science, engineering and technology, vol5, issue 7 July, 2016.
- 17.Bazani Shaik, Dr. G. Harinath Gowd, Prof. B. Durga Prasad published a paper titled "a review of a friction stir welding process to improve micro structures, Natuional conference on innovations in mechanical engineering, 2016.
- 18.G. Prasanna Kumar, N. Seetha ramaiah B. Durga Prasad Published a paper titled 'improvement of surface quality using magneto- rheological fluid (MRF) boring bar,for charter stability, international journal of mechanical engineering and technology, Aug2016.
- 19.G. Prasanna Kumar, N. Seetha ramaiah B. Durga Prasad Published a paper titled 'Finite Element Analysis of Magneto – rheological fluid boring bar. International journal of engineering and advanced technology, April 2016

20. M. Paul Daniel, Kareddula vijay kumar & B. Durga Prasad , Published a paper titled “Performance and emission characteristics of diesel engine operated on tyre pyrolysis oil with exhaust gas recirculation” in Taylor & Francis journals of ambient energy, Aug, 2016.
21. Tharakeshwar T.K, Seetharamu K.N, Durga Prasad. B & Kumar.B published a Paper titled Optimization of shell and tube heat exchanger by minimising the entropy generation using BAT algorithm, ICCMS, IIT Bombay July, 2016.
22. A.V. S. SREEDHAR KUMAR V. VEERANNA, B. Durga Prasad, Published a paper titled “multi objective scheduling of jobs in flexible manufacturing system using metaheuristic approaches with inclusion of simulation modelling.” In international journal of computer engineering in research trends, impact factor 0.238, 2015.
23. B. Sandhya Rani, Dr. A. Ramesh B. Durga Prasad & C. Mohan Naidu , Published a paper titled “A review on carbon fibres”. International journal of advanced engineering and global technology, April 2015.
24. Maj Bosco, K. Palani Kumar B. Durga Prasad , Published a paper titled analysis on influence of machining parameters on thrust force in drilling GFRP- armor steel sandwich composites” journal of composite materials, Aug, 2015.
25. Shiva kumar modi, B, Durga Prasad Basavraj, Published a paper titled “An experimental study on drying kinetics of Guava fruit (Psidium Guajava L) by thin layer drying” IOSR journal of Environmental science, toxicology and food technology, Jan 2015.
26. C. Sreedhar, B. Durga Prasad , Published a paper titled investigating on use of different blends of white grape seed biodiesel and diesel on four stroke single cylinder DI diesel engine” in international journal of engg., research and applications, Feb, 2015.
27. M. Paul Daniel, Kareddula vijay kumar & B. Durga Prasad , Published a paper titled “Performance and emission characteristics of diesel engine operated on tyre pyrolysis oil with exhaust gas recirculation” in Taylor & Francis journals of ambient energy, June, 2015.
28. A. Sridhar, K. Palani Kumar B. Durga Prasad , Published a paper titled “hard turning of AISI D2 steel by polycrystalline cubic boron nitride (PCBN)”, Applied mechanics and materials transtech publication, 2015
29. R. Ganapathi Dr.B.Durga Prasad has published a paper titled “The Effect of Turbocharging on Volumetric Efficiency in Low Heat Rejection C.I. Engine fuelled with Jatropha for Improved Performance” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 IJERT V4IS030711, 4 (3), March-2015.
30. C. Sreedhar Dr.B.Durga Prasad has published a paper titled "Performance Evaluation of Four - Stroke Single Cylinder DI Diesel Engine Using Different Blends of Diesel and Grape Biodiesel" Seed International Journal of

Engineering and Innovative Technology", ISSN: 2277-3754, Volume 4, Issue 11, May 2015, pp.255-260.

- 31.D. Ravindra Naik, Dr. K. Sreenivasa Reddy, Dr. B. Durga Prasad, Has published a paper titled performance evaluation of low heat rejection diesel engine using non edible vegetable kusum seed oil at international journal on recent researches in science, engineering and technology, vol 3 issue 12 december 2015.
- 32.D. Ravindra naik, Dr. K. Sreenivasa rddy, Dr. B. Durga Prasad has published a paper titled performance analysis of Hemp and kusum oils as alternative bio-diesel fuel in insulated engine at research journal of science and IT management, 2015
- 33.V. Bharat, B. Durga Prasad, NJ Krishna Prasad, K. Venkateswarulu, Published a paper titled "Evaluation of contact stresses in bearings made of Al- Beryl metal matrix composites by FEM" Elsevier, 2014.
- 34.Shiva kumar modi, B. Durga Prasad, Basavaraj M, Published a paper titled "Effect of moisture content and temperature on thermal conductivity of psidium guajava L by line heat source method (transient analysis), Elsevier, june 2014
- 35.A.V.S.Sreedhar Kumar V.Veeranna B. Durga Prasad B.Dattatraya Sarma , Published a paper titled "an automated tool for optimization of FMS scheduling with meta heuristic approach", international journal of engg. Research applications, march, 2014
- 36.Akula Komoriaiah, N. Shyam Kumar B. Durga Prasad , Published a paper titled "Chemical Composition of natural fibers and its influence on their mechanical properties Mechanics of composite materials. July, 2014.
- 37.MAJ Bosco, K. Palani Kumar B. Durga Prasad, A. Velayudhim, Published a paper titled analysis on influence of machining parameters on thrust force in drilling GFRP – armor steel sandwich composites", a journal of composites materials, 2014.
- 38.AVS Sreedhar Kumar, V. Veeranna, B. Durga Prasad, B. Dattaraya sarma, Published a paper titled " An automated tool for optimization of FMS scheduling with meta heuristic approach", international journal of engineering research applications, march 2014.
- 39.A. Srithar, K. Palani Kumar B. Durga Prasad , Published a paper titled "experimental investigations and analysis on hard turning of AISI D2 steel using coated carbide insert" , Applied mechanics and materials transtech publication, july 2014.
- 40.A. Srithar, K. Palani Kumar B. Durga Prasad, Published a paper titled "experimental investigations and analysis on hard turning of AISI D2 steel using coated carbide insert" , Elsevier, 2014.
- 41.AVS Sridhar kumar, Dr. V. Veranna , Dr. B. Durga Prasad, Dr. B. Dattarya sarma published a paper titled, "combined objective optimization of FMS scheduling with non- traditional optimization techniques", international journal of engineering research and technology, august, 2013.

42. AVS Sridhar kumar, Dr. V. Veranna , Dr. B. Durga Prasad, Dr. B. Dattarya sarma published a paper titled, “ A matlab GUI tool for optimization of FMS scheduling using conventional and evolutionary approaches”, international journal of current engineering and technology, dec, 2013.
43. AVS Sridhar kumar, Dr. V. Veranna , Dr. B. Durga Prasad published a paper titled, “comparision and application of evolutionary approaches for optimization of FMS scheduling”, international journal of computational intelligence research, nov 2013.
44. Shiva Kumar Modi, Dr B Durga Prasad, Dr. M Basavaraj published a paper titled, “ the influence of moisture content and density of thermal conductivity of ficus carica linnaus (FIG fruit) by transient line heat source method”, international journal of engginering and innovation technology, dec, 2013.
45. P. Vara Prasad, Dr. B. Durga Prasad, Dr. R. Hari Prakash published a paper titled, “ effect of injection timing on performance and emission charectiristics of four stroke single cylinder DI diesel engine using PME blend as fuel”, international journal of engineering research and technology, Dec, 2013
46. Shiva kumar Modi, Dr. B. Durga Prasad, Dr. M. Basavaraj published a paper titled, “Experimental investigation on specific heat of Psidium guajava (Guava Fruit) as function of moisture content and temperature”, international journal of mechanical engineering and technology, dec,2013.
47. K. Palani kumar, A. Srithar, B. Durga Prasad published a paper titled, “ surface roughness analysis in hard turning of AISI D2 steel”, international conference on smart technologies materials, communication, controls, computing and energy, jan 2013.
48. Shiva kumar Modi, Dr. B. Durga Prasad, Dr. M. Basavaraj published a paper titled, “The influence of moisture content and density on thermal conductivity of Ficus carica linnaus (FIG fruit) by transient line heat source method”, international journal of engineering and innovative technology, dec 2013.
49. L.Saravanakumar, B.R. Ramesh Babu, B.Durga Prasad, published a paper titled, “analysis and effect of squaish generation using CFD on variable compression ratio CI engine”, international journal of engineering research and technology, sept, 2013.
50. Shiva kumar Modi, Dr. B. Durga Prasad, Dr. M. Basavaraj published a paper titled, “experimental investigation on specific heat of psidium Guajava L (Guava fruit) as a function of moisture content and temperature”international journal of mechanical engineering and technology, dec, 2013.
51. VVN Bhaskar, Dr. R. Hari Prakash, Dr. B. Durga Prasad published a paper titled, “hydrogen fuelled IC engine – an overview”, international journal of innovative technology and research, dec, jan, 2013.

- 52.R. Ganapathi, B. Durga Prasad and B. Om prakash has published a paper “Performance Evaluation of a Ceramic Coated with Air Insulated Four Stroke Diesel Engine” International Journal of Current Engineering and Technology ISSN 2277-4106 VOL3, No.5 DEC 2013.
- 53.G.R.C Pradeep, Dr. A. Ramesh, Dr. B. Durga Prasad Study of hard facing of AISI 1020 steel by gas welding and TIG welding processes, in journal of scientific research, Bagladesh, ISSN: 2070-0237 Pages 119-126, jan, 2013
- 54.MAJ Bosco, K. Palani Kumar, B. Durga Prasad, A velayudham, published a paper titled, “influence of machinng parameters on delamination in drilling of GFRP- armour steel sandwich composites”, Elsevier, 2013
- 55.D.F Melvin jose, B. Durga Prasad, Z. Robert Kennedy, Mohammed Ibrahim and R. Edwin Raj published a paper titled,”optimization of process parameters for biodiesel extraction from rubber seed oil using design of experiment”, Elsiver, 2012.
- 56.A.V.S. Sreedhar kumar, V. Veeranna, B. Durga Prasad and B. Dattatraya Sarma, published a paper titled, “critical review on scheduling in flexible manufacturing system: A research perspective”, international journal of engineering research and industrial applications, may 2012.
- 57.Bosco MAJ, Palani Kumar, Durga Prasad. B, Velayudham, published a paper titled, “influence of machining parameters on diameter error in drilling of GFRP Armour steel sandwich composites”, advanced material research transtech publication, 2012.
- 58.Bosco MAJ, Palani Kumar, Durga Prasad. B, Velayudham, published a paper titled, “influence of machinng parameters on delamination in drilling of GFRP- armour steel sandwich composites” Elsevier, 2012.
- 59.R. Rama Udaya Marthandan, N. Siva Kumar , B. Durga Prasad, published a paper titled, “ Experimental investigation on four stroke ceramic heater surface ignition CI engine using different blends of ethyl alcohol”, International journal of advances in engineering and technology, jan, 2012.
- 60.VVN Bhaskar, Dr. R. Hari Prakash, Dr. B. Durga Prasad, published a paper titled, “fuel induction techniques and hydrogen assisted jet ignition for the hydrogen fuelled SI engine”, international journal of emerging technologies and applications in engineering, technology and sciences, june, 2012.
- 61.T. Vishnu Vardhan and B. Durga Prasad Has Published A Paper Titled Finite Element Analysis and Experimental Investigations On Small Size Wind Turbine Blades International Journal Of Mechanical Engineering And Technology (Ijmet), December 2012.

- 62.DF Melvin Jose ,Dr.B.DurgaPrasad,R.Edwin Raj,Z.Robert Kennede,A.Mohammed Ibrahim, has published titled “A multi variant approach to optimize process parameters for biodiesel extractions from rubber seed oil”, “elsevier journal” 2011.
- 63.D.F. Melvin Jose, Dr.B.Durga Prasad R.Edwin Raj, Z. Robert Kennedy, A. Mohammed Ibrahim has published a paper titled A Multi – variant approach to optimize process parameters for biodiesel extraction from rubber seed oil2056-2063. ELSEVIER- Applied Energy-88 (2011)
- 64.T. Vishnu Vardhan And B. Durga Prasad Has Published A Paper Titled Development of Power Curves for a Small Size Wind Turbine with Different Blade Profiles Using FRP with Polyester / Epoxy Resins, An International Research Journal of Engineering Sciences and Technologies, Volume 4 • Issue 4 • October – December 2011.
- 65.Suresh R., Prasad Durga B., Subash Chandra Bose R. and Puhan Sukumar has published a paper titled Experimental investigation of methanol –diesel blended fuel in a DI Diesel Engine RES Engineeria scientia journals :Combustion ,performance and Emission Study 2011/Vol.1
- 66.D. Sripathi Rao, V. Deevender, N. Shyam Kumar, B. Durga Prasad, published a paper titled, “Applications of fiber reinforced composite materials”, international e-journals of mathematics and engineering, 2010.
- 67.G. Venkata Subbaiah, K. Raja Gopal and B. Durga Prasad, published a paper titled, “study of performance and emission characteristics of a direct injection diesel engine using rice bran oil ethanol and petrol blends”, ARPN journal of engineering and applied sciences, June 2010.
- 68.G. Venkata Subbaiah, Dr. K. Raja Gopal, Syed Altaf Hussain, Dr. B. Durga Prasad & Dr. K. Tirupathi Reddy, published a paper titled, “experimental investigation on the performance and emission characteristics of a diesel engine using rice bran oil and ethanol blends”, international journal of engineering research and technology, 2010.
- 69.G. Venkata subbaiah, Dr. K. Raja Gopal and Dr. B. Durga Prasad published a paper titled, “Experimental investigation on the performance and emission characteristics of a diesel engine using rice bran oil and ethanol blends”, international journal of engineering research and technology, 2010.
- 70.G.Venka Subbaiah, K.Rajagopal, B.Durga Prasad has published titled “Study Of Performance and Emission Characteristics of a direct Injection Diesel Engine using RiceBran oil Ethanol and Petrol Blends ”,“APRN Journal of Engineering and applied sciences”June 2010.

71. AVS Sridhar Kumar, Dr. V. Veeranna, Dr. B. Durga Prasad, Dr. B. Dattatraya Sarma has published titled "Optimization of a FMS Scheduling using Non Traditional Techniques" "International Journal of Engineering Science and Technology" 2010.
72. B. Omprakash, B. Durga Prasad has published a paper titled Analysis the Performance for Combustion of Methanol Blend diesel Fuel In CI engine Using Glow Plug Journal of Applied engineering Research Volume 5 Number 10 (2010) PP 62-68
73. P. Varaprasad Dr. B. Durga Prasad has published a paper titled Technical Aspects of Modern Bio fuels in Internal Combustion Engines." International journal of Applied Engineering. 1843- 1854. November – 2010."
74. A. V. S. Sreedhar, Dr. V. Veeranna Dr. B. Durga Prasad Dr. B. Dattatraya Sarma has published a paper titled Optimization of FMS Scheduling Using Non-Traditional Techniques. International Journal of Engineering science & Technology. Vol.2 (12, 2010, 7289-7296.)
75. G. Venkata Subbaiah K. Raja Gopal Syed Altaf Hussain B. Durga Prasad K. Tirupathi Reddy has published a paper titled Rice Bran Oil Biodiesel As An Additive In Diesel- Ethanol Blends For Diesel Engines , 334-342, IJRRAS 3 (3) June 2010.
76. Melvin Jose Dr. B. Durga Prasad Z. Robert Kennedy, Mohammed Ibrahim & R. Edwin Raj has published a paper titled Optimization of process parameters for biodiesel extraction from rubber seed oil using design of experiment, ELSEVIER- Applied Energy 11/30/2010 8:54A
77. N. Shyam Kumar, B. Durga Prasad, Akula Komuraiah & D. Sreikanth Rao has published a paper titled, failure strength analysis of carbon epoxy frp composite laminate using TSAI-WU failure criterion, international journal of scientific computing, dec, 2008.
78. G. Lakshmi Narayana Rao, B. Durga Prasad, S. Sampath & K. Rajagopal, has published a paper titled Combustion analysis of diesel engine fuelled with jatropa oil methyl ester diesel blends, international journal of green energy Taylor and Francis, 2007.
79. Suresh R., Durga Prasad B., Muthu Raman S. and Nibin T. (2009), "Emission control for a Glow plug direct injection CI engine using preheated coconut oil blended diesel", ARPN Journal of Engineering and Applied Sciences, Vol. 4, pp. 82-86.
80. Suresh R., Durga Prasad B., Muthu Raman S. and Nibin T. (2008), "Glow-Plug assisted cold start of premixed compression-ignition CI engines", IETECH Journal of Mechanical Design, Vol. 2, pp. 69-73
81. P. Moulali, Dr. T. Hari Prasad, Dr. B. Durga Prasad "Effect of Constant temperature on Charge compression ignition (HCCI) using different blended bio Diesel fuels" International Journal of pure and Applied Mathematics volume 117, No.10, 2017, pp.53-56.

82. P. Ramesh, B. Durga Prasad, and K.L. Narayana "Morphological and mechanical Properties of treated Kenaf Fiber/ MMT Clay Reinforced PLA Hybrid Bio composites", AIP Conference Proceedings 2057, 020035 (2019).
83. Bazani shaik, Harinath Gowd & B. Durga Prasad " An Optimization and Investigation of Mechanical Properties and MicroStructures on Friction Stir Welding of Aluminium Alloys," International Journal of Mechanical And Production Engineering Research and Development(IJMPERD) volume 9. Issue 1, Feb 2019, pp 227-240.
84. M. Shiva Chander, M. Rama Krishna, Dr. B. Durga Prasad, "Review on Thermal Analysis of friction Stir Welding of Aluminium 5083 Alloy" International Research journal of Engineering and Technology(IRJET) vol 05, Issue: 12, December 2018.
85. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad," Tribological Behavior of AA-7068/TiC Metal Matrix Composites" American Scientific Publications vol 7, pp1-11, 2018.
86. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad,"Modelling of Wear Behavior of AA7068/TiC MMCs using Fuzzy Logics and Response surface Model", American Scientific Publications vol 7, pp1-9, 2018.
87. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad," Mechanical Characterization of AA-7068/TiC MMCs", International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ,pp 22-28, Jun 2018.
88. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad," A Review on wear Analysis of Aluminium Based Metal Matrix Composites ", International Journal of applied Engineering Research ISSN 0973-4562, vol 13, November 2 (2018).
89. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad," Machining of MMCs by Using Turning Operation: Overview ", International Journal of Applied Engineering Research ISSN 0973-4562, vol 13, November 2 (2018).
90. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad," Optimization of Cutting Force I Turning of AL 7068/TiC MMCs using Taguchi Technique", second International Conference on Emerging Trends in Engineering, Sciences & Management-2018(ICEESM 18).
91. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad,"Surface Roughness measurement Of Machined Surfaces by Machine Vision Technique", second International Conference on Emerging Trends in Engineering, Sciences & Management-2018(ICEESM 18).
92. P. Naresh, Syed Altaf Hussain and Dr. B. Durga Prasad," A Review on multiple responses process parameters optimization of turning Al-TiCp Metal Matrix

- composites”, Journal of Achievements in Materials and Manufacturing Engineering 80/1 (2017) pp 32-40.
93. J.V. Mohanachari, Dr. B. Durga Prasad, “A Review on Fabrication, Mechanical Characterization of Aluminium Metal Matrix Composites”, Indian Technical Research Organization, vol-5, Issue-4, 2018.
 94. Bazani Shaik, G. Harinath Gowd, B. Durga Prasad”, Parametric analysis Of Friction Stir welding Process of Aluminium Alloys”, Proceedings of Emerging Trends in Mechanical Engineering (ETME 2019).
 95. Dr. B. Durga Prasad, International Organization of Scientific Research ,” An Experimental Analysis on the Effects of Additives with Blends of Alternative Fuels on CI Engine Performance Using Modified Piston Geometry”, vol.8, Issue 3, March 2018.
 96. Dr. B. Durga Prasad, “Effect of Variable Compression Ratios On C.I Engine Fueled with Linseed Biodiesel” ,International Journal Of Technical Innovation in Modern Engineering & Sciences,” vol 04, issue 09, September-2018.
 97. Dr. B. Durga Prasad, Experimental Investigation on thermal Barrier coated piston head (YSZ+ Al₂O₃) By using Cotton seed oil as a Biodiesel”, Journal Of Emerging Technologies and Innovative Research, August-2018.
 98. Dr. B. Durga Prasad, “A Smart Switch to Connect and Disconnect Electrical Devices at Home by Using Wi-Fi”, International Journal Of Technical Innovation in Modern Engineering & Sciences,” vol 04, issue 09, September-2018.
 99. Dr. B. Durga Prasad, Experimental Investigation of CI Engine Fuelled with Waste Cooking Oil as Biodiesel using Pyrogallol as Antioxidant”, Journal of Emerging Technologies and Innovative Research, vol.5 issue 9, September-2018.
 100. Dr. B. Durga Prasad, “Development and Investigation of the Mechanical Behaviour Of Okra, Coconut Coir, Cow dung and sheep Hair Fibre Reinforced Epoxy Composites”, International Journal Of Technical Innovation in Modern Engineering & Sciences,” vol 04, Issue 06, June-2018.
 101. Dr. B. Durga Prasad, “Experimental Investigation of CI Engine Fuelled with Waste Cooking Oil as Biodiesel using Pyrogallol as Antioxidant”, Journal Of Emerging Technologies and Innovative Research, vol.5 issue 9, September-2018.
 102. Dr. B. Durga Prasad, “Design & Analysis of Pinion & Crown for the Differential ” 2214 – 7853, Elsevier journal” 2019.
 103. Dr. B. Durga Prasad, Development and Characterization of Natural Fiber Reinforced Hybrid Composite Material with the use of carbon fiber. “2214 – 7853, Elsevier journal” 2018.
 104. Dr. B. Durga Prasad, Analysis of Impact Property of Carbon/Sisal Fiber Reinforced Hybrid Composites , International Journal Of Mechanical and

Production Engineering Research and Development(IJMPERD).ISSN (P): 2249 – 6890; ISSN (E) : 2249 – 8001 Special Issue, Jun 2018,78-84.

105. Dr. B.Durga Prasad, A Review on multiple responses process parameters optimization of turing AI-TiC_p Metal matrix composites. “Journal of Achievements in Material and Manufacturing Engineering 2017.
106. Dr. B.Durga Prasad, “Experimental Investigations on Friction Stir Welding Process to Join Aluminum Alloys” International Journal of Applied Engineering Research ISSN 0973 – 4562 Volume 13, number 15(2018)pp. 12331 – 12339.
107. Dr. B.Durga Prasad, “ Experimental Investigations on Friction Stir Welding Process to join Aluminum Alloys, International Journal of Applied Engineering Research ISSN 0973 – 4562 Volume 13, Number 15 (2018)pp. 12331 – 12339.
108. Dr. B.Durga Prasad, “Tribological Behavior of AA – 7068/TiC Metal Matrix Composites” Journal of American Scientific Publishers VOI 7 pp. 1-11, 2018.
109. Dr. B.Durga Prasad, “ Modeling of wear Behavior of AA7068/TiC MMCs Using Fuzzy Logics and Response Surface Model” Journal Of American Scientific Publishers VOI 7 pp. 1-9,2018.
110. Dr. B.Durga Prasad, “Mechanical Characterization of AA-7068/TiC MMCs International Journal Of Mechanical and Production Engineering Research and Development (IJMPERD).ISSN (P): 2249 – 6890; ISSN (E) : 2249 – 8001 Special Issue, Jun 2018,22-28.
111. Dr. B.Durga Prasad, “Mechanical of MMC’s by using Turing Operation:Overview International Journal of Applied Engineering Research ISSN 0973 – 4562 Volume 13,November 2 (2018)
112. Dr. B.Durga Prasad, “A Review on Fabrication, Mechanical Characterization of Aluminium Metal Matrix Composites” Journal Of Technical Research ISSN (PRINT) : 2393-8374, (Online): 2394 – 0697, Volume -5, ISSUE -4,2018.
113. Dr. B.Durga Prasad, “Effect of constant temperature on Homogeneous Charge Compression Ignition (HCCI) using different blended bio diesel fuels” International Journal of Pure and Applied Mathematics Volume 117 No. 10 2017, 53-56.
114. Dr. B.Durga Prasad, “An Optimization and Investigation of Mechanical Properties and Microstructures on Friction Stir Welding of Aluminium alloys” International Journal Of Mechanical and Production Engineering Research and Development(IJMPERD).ISSN (P): 2249 – 6890; ISSN (E) : 2249 – 8001 vol 9,Issue 1,Feb 2019 227 – 240.

115. Dr. B.Durga Prasad, “Experimental Evaluation of Mechanical Properties and Microstructure of Friction Stir Welded 5083 Aluminium Alloy” International Journal of Engineering Sciences and Computing, Volume 9 Issue No.1, January 2019.
116. Dr. B.Durga Prasad, “ Review on Thermal Analysis of Friction Stir Welding of Aluminium 5083 Alloy” Internatioanl Research Journal of Engineering and Technology (IRJET) Volume : 05 Issue : 12/Dec 2018.
117. Dr. B.Durga Prasad, “Proceedings of Emerging Trends in Mechanical Engineering (ETME 2019)” National Institute of Technology Warangal.
118. Dr. B.Durga Prasad, “Effect of MMT Clay on Mechanical Thermal and Barrier Properties of Treated Aloe Vera Fiber/PLA – Hybrid Biocomposites” Journal of Springer, volume 11, Issue 4, 2019.
119. Dr. B.Durga Prasad, “Experimental Investigation and Surface Roughness analysis on Hard Turning of AISI D2 Steel using Polycrystalline Cubic Boron Nitride (PCBN)” ELSEVIER Journal Proceedings 16 (2019) 1061 – 1066 ,2019.

International and National Conferences

1. 5th international conference on recent advances in composite materials (ICRACM-2016), KLU University, Vaddeswaram, Guntur, presented a paper on Kenaf fiber reinforced biocomposites: A review on fiber content, properties, by, P. Ramesh, Dr. K.L. Narayana, Dr. B. Durga Prasad & Dr. A. Mahamani on 21st & 22nd October, 2016.
2. International conference on recent innovations in engineering and technology (ICRIET-2K16) GIET Gunupur, presented a paper on “A review on internal combustion engine exergy analysis” by T. Sreenivasa Murthy, Dr. B. Jayachandiraiah & Dr. B. Durga Prasad, on 5th & 6th November 2016.
3. International conference on recent innovations in engineering and technology (ICRIET-2K16) GIET Gunupur, presented a paper on “Study of regenerative braking system and its storage devices” by T. Sukumar, B.R. Ramesh Babu, Dr. B. Durga Prasad & N. Nithya, on 5th & 6th November 2016.
4. Advanced Trends in Mechanical Engineering Research and Development JNTU College of Engg. Anantapur (National) Use of Alcohol in CI Engines by surface Ignition P No. 390-394
5. International Conference on Emerging Challenges In Design And Manufacturing Technologies Sathyabama University Experimental Investigation of compression ratio Boost pressure influence on RG Blended CNG HCCI combustion engine. P.No 147-150.

6. International Conference and XX National Conference on IC Engines and Combustion JNT University, Hyderabad Charge Compression Ignition (HCCI)-A new combustion Concept P.No.630-634
7. International Conference and XX National Conference on IC Engines and Combustion JNT University, Hyderabad Study of the performance and emission characteristics of a diesel engine using Rice-Bran oil methyl ester and its blends with diesel P.No 154-159.
8. International Conference on Emerging Challenges In Design And Manufacturing Technologies Sathyabama University Performance And Analysis Of Jatropa Methyl Ester Diesel Blends In Computerized & 4 Stroke Diesel Engine Test Rig P.No 213-216
9. International Conference on Emerging Challenges In Design And Manufacturing Technologies Sathyabama University Experimental Investigation On Diesel Engine –using rice bran Oil Methyl Ester And Its Blends With Diesel P.No 223-226
10. Advanced Trends in Mechanical Engineering Research and Development JNTU College of Engg. Anantapur Effect of Catalyst on Alcohol's fueled engines, P No. 494-505
11. Advanced Trends in Mechanical Engineering Research and Development JNTU College of Engg. Anantapur Effect of Alcohol's in LHR engines P No. 506-517 P No. 506-517
12. Advanced Trends in Mechanical Engineering Research and Development JNTU College of Engg. Anantapur Effect of additives with alcohols in surface ignition engines P No. 518-529
13. ASME-BSME International Conference on Thermal Engineering Dhaka, Bangladesh Computer aided experimental analysis and development of ceramic and glow plug hot surface ignition engine using alcohol as fuels. 843-848.
14. Advances in new engineering materials & Characterization AMC-2010. (National Conference) Damping behaviours of Al/sic-graphite hybrid metal matrix composites.
15. 6th International conference on vibration engineering and technology of machinery. (VETOMAC-VI) End effect of the waves when they are traveling through solid blocks.
16. International conference on recent advances in mechanical engineering (ICRAME-2010), NOORUL ISLAM UNIVERSITY, Tamilnadu. Performance and exhaust gas characteristics on diesel fuelled glow plug C.I. engine with optimal compression ratio. Volume- 1
17. Frontiers in automobile and Mechanical engineering -2010. (FAME-2010) Nov-25th – 27th, 2010. Sathyabama University, Chennai. 978-1-4244-9083-7

Performance analysis for emission and combustion of methanol blend diesel fuel in C.I Engine using glow plug.

18. National conference on Trends in renewable energy sources, applications & climate change (TRESAC-2010) July 23rd -25th -2010. Sathyabama University, Chennai. Performance and exhaust gas characteristics on methanol blended diesel fuelled glow plug C.I. Engine.
19. International conference on Frontiers in Automobile and Mechanical Engineering (FAME-2010) July 23rd -25th -2010. Sathyabama University, Chennai. Performance analysis for emission and combustion of methanol blended diesel fuel in C.I. Engine using glow plug.
20. Iv national Conference on Trends in Mechanical engineering (TIME-10) 30th Dec-2010., department of mechanical engineering kakatiya institute of technology& science, Warangal Applications of natural fibers and composites in automobile field.
21. International conference on Frontiers in Automobile and Mechanical Engineering (FAME-2010) July 23rd -25th -2010. Sathyabama. Computerized experimental study of the emission characteristics of a hot surface ignition engine, by using suitable alternative fuels with additives
22. Sixth national conference on Optimization techniques in engineering science and technologies (OPTTEST-2011) 15th -16th april-2011. Bannari Amman Institute of Technology Tamil Nadu. Evaluation of four single cylinder direct injection diesel engine operated on dual fuel mode with alternative fuels.
23. International conference on recent Advances in Engineering and technology, ICRAET2012, April 29-30, 2012, Taj deccan, Hyderabad, India 978-81-923541-0-2 Experimental and Simulation Analysis of HCCI Engine
24. International conference on Advances in Engineering and technology-2011 (ICAET-2011) Fabrication and evaluating the performance of small size nad wind turbine blades with R21 and R@@ profiles, May 27th & 28th, 2011
25. National Conference on Mechanical engineering & Research Bharath University, Chennai Use of Bio-Diesel as an alternative fuel in a dual fuel engine, 16th April, 2012,
26. International conference on science, engineering & technology, VIT University, Vellore Performance and Emission characteristics of C.I Engine with Optimal Compression ratio Paer ID:1231, PP434-440, Nov, 2011
27. 12th global congress of Manufacturing and management, GCMM 2014 Experimental investigation and surface roughness analysis on hard turning of AISI D2 steel using coated carbide inserts
28. 5th international conference on recent advances in composite materials 6th to 8th feb, 2017 improve microstructures with friction stir welding process review.

29. International conferences on advances in engineering, management and sciences, 14th, 15th July 2017. Failure analysis of rear differential pinion shaft.
30. 2nd international conference on Emerging Trends in Engineering, Sciences & Management (ICEESM'18), 21-22 December 2018. Comparison of Performance and Emission Characteristics of the Homogeneous Charge Compression Ignition and Conventional Compression Ignition Engine.
31. National conference on emerging Trends in Mechanical Engineering (ETME-2019) 9-10 January, 2019. Emerging Trends in Mechanical Engineering.
32. One day National Conference on Advanced Materials for Automotive Applications 9th March 2018.

15. Books Authored

S.No.	Title with page nos.	Book Title, editor & publisher	ISSN / ISBN No.	Whether peer reviewed
1.	<i>Environmental Studies</i>	<i>Sooraj Publications.</i>		
2.	<i>Operations Research</i>	<i>SCITECH Publications</i>	978183719108	

16. Ph.D'S Guided

1.	Experimental investigation on 4stroke diesel engine using methyl esters of fish	A. Karthikeyan	Nov, 2009
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	oil rice brain oil zetropa oil and their diesel blends		
2.	SIMULATION AND PERFORMANCE ANALYSIS OF COMBUSTION PARAMETERS AND EMISSION CHARACTERISTICS OF CNG FUELED HCCI ENGIN	P.M.DIAZ	May,2012
3.	Experimental investigation 4 stroke glow plug hot surface ignition CI engine using Eethanol as fuel	Nagalingeswar Raju	Dec 2010
4.	Experimental investigation 4 stroke glow plug hot surface ignition CI engine using methanol as fuel	R. Suresh	Jan,2013
5.	Study of hard facing of AISI 1020 steel by gas wIELDING and TIG welding processes	G.R.C. Pradeep	June, 2013
6.	Experimetnal investigations on 4-Stroke ceramic hot surface ignition engine (CHSIE) using ethanol diesel blends as fuel.	R. Rama Udaya Marthandan	June,2013
7.	Modeling And Performance Evaluation Of Wind Turbine Blades With Different Profiles	T.Vishnu Vardhan	August 2014
8.	Performance, Emission and combustion characteristics of a four stroke CI biodiesel fuelled engine	C.Sreedhar	Nov, 2015
9.	On Characterization of Natural composite materials – A study	Akula Komuriah	Feb, 2016
10.	Optimization of flexible manufacturing system scheduling with metaheuristics	A.V.S. Sreedhar Kumar	March, 2016
11.	Experimental investigations and performance evaluation of single cylinder 4 stroke diesel engine fuelled with calophyllum inophyllum methyl ester blends with diesel	L. Sravana Kumar	July, 2016
12.	Experimental investigation on ceramic hot surface ignition CI engine using alcohols as fuel	P. Sreenivasulu	July, 2016
13.	Characterization and experimental investigations on methyl esters of mahua and papaya seed oil fuel blends in 4-stroke diesel engine	Bade kondiah	July 2016
14.	Experimental investigation on glow plug hot surface ignition in CI engine using alcohols as fuel	B.Omprakash	Sept, 2016

15.	Characterisation of thermo- physical properties of fruits by dehydration and using heat transfer analysis	Siva kumar modi	Oct, 2016
16.	Optimization of shell and tube heat exchangers using various models	Tharakeshwar T.K	Oct. 2016
17.	Experimental investigation on 4 stroke low heat rejection CI engine with alternative fuels	Ganapati Ramavat	Nov, 2016
18.	Experimental investigations on 4- stroke CI engine using palm stearin methyl ester, plastic pyrolysis oil and tyre pyrolysis oil as fuels with exhaust gas recirculation	M. Paul Daniel	Feb, 2017
19.	Experimental investigations on 4- stroke DI diesel engine using methyl esters of polanga oil and karanja oils at different injection timings, injection pressures and at dual fuel mode operations	P. Vara Prasad	May , 2017
20.	CFD analysis and experimental investigation of a modified vortex tube with dual forced vortex flow	G. Maruthi Prasad Yadav	July, 2017
21.	Modelling Analysis and optimization of drilling parameters in drilling of GFRP armour steel – sandwich composites.	M.A.J. Basco	August, 2017.
22.	Experimental Investigations on operating variables of CI Engine using BioDiesel for Commercial Viability	Shaik Hussain	July 2018
23.	Experimental Investigations on CI Engine to Evaluation Engine Performance Characteristics and Exhaust Emissions Using Different Blends of Thurayi and Cuban Royal Palm Seed Biodiesels.	Muchakala Suresh	September 2018
24.	Synthesis, Characterization and Application of Magneto Rheological (MR) fluid for Chatter Reduction during Boring Process	G. Prasanna Kumar	April, 2018
25.	Investigations into LHR CI Engine using Biodiesel with Assorted Operating Parameters	V.Sivarama Krishna	Oct , 2018
26.	Design & Analysis of Double Axle Crown and Pinion of the Differential Gear Box by varying Spiral angle	Venkata Hari Babu	2017
27.	Investigations on Wear Performance of sintered Aluminium –Beryl Mental matrix composites	Vinjamuri Bharat	20.Dec.2018

28.	Synthesis of Bio Fuels and Evaluation of DI Diesel Engine Performance Parameters	Chandra Kumar	2018
29.	Experimental Investigations on Dual Fuelled C.I Engine with Pine Oil and Hydrogen as Fuels	V.V.N Bhaskar	March 2019
30.	Experimental investigation of mechanical, tribological and machining characteristics of AA7068/TIC metal matrix composites	P.Naresh	June 2020
31.	Parametric Optimization and experimental investigations on the friction Stir welding process to improve the microstructure of AL alloys	Bazani Shaik	July 2020
32.	Investigations on four stroke efficient limited cooled Di diesel engine suitability for non edible vegetable oil.	D. Ravindra Naik	November 2020
33.	Studies on Mechanical thermal water absorption and biodegradable properties of few polymer fibre reinforced composite materials.	P.Ramesh	January 2021
34.	Theoretical and experimental studies of thermal energy storage system using nanofluids - domestic applications.	K. Krishna Reddy	May 2021
35.	Development, characterization and durability of sansevieria trifasciata - carbon fiber reinforced polymer hybrid composites	R.Sandhya rani	September 2021
36.	Experimental investigation on machining characteristics of AISI D2 steel	A.Srithar	September 2021
37.	Evaluation of engine performance characteristics of 4-stroke CI engine with multilayer piston coating using jatropha methyl ester and calophyllum inophyllum methyl ester	V. Dattatrya	November, 2021

