

Faculty Profile

Name : Dr P Ramesh Babu

Designation : Professor

Qualification : Ph D- Alternate Fuels & I C engines

Experience : 16 Years

Professional Memberships : ISTE

Areas of Interest : THERMAL ENGG, I C ENGINES, HEAT TRANSFER

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SASI Institute of Technology & Engineering
TADEPALLIGUDEM-W.G. Dist-534101



Academic Background :

Course	Specialization	Name of the Institution	Year of pass
Ph.D	Alternate fuels& I C Engines	AU COLLEGE OF ENGG. ANDHRA UNIVERSITY	2013
M.E..	M.E. & M.H.	AU COLLEGE OF ENGG. ANDHRA UNIVERSITY	2003
B.E.	MECH	SIR C R REDDY COLLEGE OF ENGG- A U	1998

Professional Experience :

S.No	Post Held	Organization	From	To	No of years	
1	Professor	SASI INSTITUTE OF TECHNOLOGY & ENGINEERING - TADEPALLIGUDEM	June 2018	Till Date	Till Date	
2	Principal & Professor	Balaji Institute of Engineering & Management Studies (BEAM) – NELLORE	Jan 2016	March 2018	2 yr 5 Months	
2	Professor & HOD, (Vice-Principal)	VITS College of Engineering Sontyam, Visakhapatnam	April 2014	Dec 2015	1Yr 8 Months	
3	Associate Professor	G.M.R. Institute of Technology, Rajam (Srikakulam Dist.) – Rajam	Dec 2013	April 2014	5Months	8 yrs approx.
4	Sr. Assistant Professor	G.M.R. Institute of Technology, Rajam (Srikakulam Dist.) – Rajam	Dec 2010	Dec 2013	3 Years	
5	Assistant Professor	G.M.R. Institute of Technology, Rajam (Srikakulam Dist.) – Rajam	June 2006	Dec 2010	3 Years 6 Months	
6	Assistant Professor	Avanthi Institute of Engineering & Technology, Narsipatnam	July 2003	June 2006	3 Years	
7	Teaching Asst.	Department of Marine Engineering AU	2002 Oct	2003 Nov	1 Year	

Projects Handled:

UG	PG
16	2

List of Conferences/Workshops/Guest Lectures/STTPs attended:

S.No.	Title with page no.	Details of conference Publications	ISSN / ISBN No.	No. of Co-authors and date of publication
1	"C F D Analysis over the Educator Diffuser System for the I R Suppression" at E D A	E D A F Symposium- Bangalore -2007		V.J.J. Prasad, P. Ramesh babu

	F Symposium, Bangalore on		
2	Optimal Control Parameters Selection of HDPE Pipe Extrusion for improving withstanding pressure, Proceedings of the International conference ADM-2007	Sethu Institute of Technology, Kariapatti, TN, India, 9-11 August 2007, 9-11 August 2007	P. Ramesh Babu, V.J.J.Prasad,,
3	Bio-diesel(JME) as an alternative fuel in a Diesel engine with the Exhaust gas recirculation to reduce NO _x , International Conference on thermal Energy and Environment INCOTEE 2011	Kalasalingam University, Krishnakoil, Viridunagar Dist, Tamilnadu.	V.J.J.Prasad , P. Ramesh Babu, ,P Govind Rao
4	Experimental Studies on a DI-CI Engine Run with Mahua methyl Ester Injection and Methanol Carburetion	Manipal Institute of technology, Karnataka, during January 04-06,2012	P. Ramesh Babu, K. Prasad Rao, Dr.V.J.J.Prasad
5	Experimental investigation on emission& Combustion by Implementation of 100% Palm Kernel Methyl ester on VCR-DI-Diesel engine	Visvesvarayya National institute of technology, Nagpur, from 28 th to 30 th January-2011	P. Ramesh Babu, V.J.J.Prasad, V.Rambabu
6	Combustion heat release rate estimation and cylinder vibration time wave study to exposure best blend of mahuva methyl ester as cetane improver in a laboratory based Di-Diesel Engine	M.S. Ramiah institute of Technology. Bangalore Industrial Engineering and Management Studies (ICCOMIM)-2012	P. Ramesh babu , Dr. N Hari babu, Dr. B.V. Appa Rao
7	Optimization of Process parameters of compression molding and PLA/PCL blend composition using PCA based Taguchi approach	Toc H Institute of science and Technology, Arakkunnam, Ernakulam-682313. 5th – 6th September 2012.	R.Umamaheswara Rao and P. Ramesh Babu (2012)
8	"Combustion and performance analysis of Di-Diesel Engine fuelled with neat mahuva methyl Ester along with oxygenated fuel	Bengal Engg. And Science Univeristy (BESU), Howrah, West Bengal ICERTSD 2013 Feb 7-9, 2013	P. Ramesh babu, Dr. V Rambabu, S Ravi babu
9	"Experimental Investigations On `Esterifies Rice Bran Oil on 4stroke Single cylinder –	National Conference – TECM 2007 St. Joseph's college	V.J.J.Prasad, P. Ramesh babu

	Kirlosker Diesel Engine”	of Engineering, Chennai on 28TH - 30th January 2007.	
10	“Optimal Control Parameters Selection of HDPE Pipe Extrusion for improving withstanding Pressure”	Sri Venkateswara University, Tirupati on 29- 30, June 2007National. Conference “ETMI”	R. Umamaheswara Rao, P. Ramesh Babu and Dr. K.V.Viswa Mohan (2007)
11	“Evaluation of Engine Performance, Emissions of a DI- Diesel Engine operated with Neat Bio-diesel (Mahua Methyl Ester) and Exhaust Gas Recirculation””,	National workshop on “Sustainable Development and Environmental Challenges GMRIT, Rajam 26-27TH March ,2010.	V.J.J.Prasad, P. Ramesh Babu, V. Rambabu
12	Implementation of Non-edible Vegetable Oil Esters as Fuel for Diesel Engine”	Sustainable Development and Environmental Challenges” Department of Mech & Chem engg., GMRIT, Rajam 26TH - 27TH March ,2010	V.J.J.Prasad, P Ramesh Babu

List of Publications:

S.No.	Title with page no.	Journal	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Coauthors
1	“Combustion and performance Analysis of DI-Diesel engine fuelled with Neat Mahua Methyl Ester along with Oxygenated Fuel (DEE) as an Additive.”	International Review of Mechanical Engineering(IREME)	ISSN:1970 - 8734	Yes , 6.46	Ramesh babu and Dr. B. V. Appa Rao [2011],
2	“Combustion Heat release Estimation to Explore best blend of Mahua Methyl Ester and Diethyl ether as Cetane improver””,	International Journal of Engineering, Science and Metallurgy(IJESM),	ISSN:2249 - 7366	No I.F	P. Ramesh babu and Dr. B. V. Appa Rao [2012],
3	“The Role of Oxygenated Fuel Additive (DEE) along with Mahua Methyl Ester to estimate	International Journal of Thermal Technologies(IJTT)	ISSN:2277 - 4114	: Global I.F 1.752,	P. Ramesh babu and Dr. B. V.

	performance and Emission analysis of DI-Diesel Engine.				Appa Rao K, Prasad Rao [2012],
4	“ Potential of diethyl ether as supplementary oxygenated fuel with Mahua Methyl Ester to improve performance and emission characteristics of diesel engine”	Fundamental Journal of Thermal Science and Engineering Fundamental Research and Development International	ISSN: 2249-975X	: Global I.F 1.752,	P. Ramesh babu, Dr. B. V. Appa Rao and N Hari babu
5	“Experimental studies on a DI -CI engine run with Mahua methyl ester injection and methanol carburetion”	Cafet - Innova Technical Society International Journal of Earth Sciences and Engineering	ISSN 0974-5904 January 2012.	Scopus Journal Rating (SJR) 0.103 Impact Factor 0.042	Ramesh Babu. P, K.Prasad Rao, Dr.V.J.J.Prasad,
6	“Design and Analysis of Steam Turbine Blades using FEM”.	International Journal of Mechanical Engineering Research Research India publication,	ISSN:2249 - 0019	No I.F	A.K. Matta, R.B. Pothula and R.U. Rao
7	Analysis of Gas Turbine blades with materials N155 and INCONEL 718”	International Journal of Advances in Science and Technology Publisher: Silicon Valley publishers,	ISSN: 2229 - 5216	No I.F.,	A.K Matta, D. Venkata Rao, P. Ramesh Babu and R. Umamaheswara Rao
8	“Investigation on Emission and combustion with 100% Palm Kernel Methyl Ester as fuel on VCR-DI-Diesel Engine	International Journal of Energy and Power Engineering	ISSN: 1934 - 8975	No I.F	V.J.J.Prasad , P. Ramesh babu, V. Rambabu,
9	“Performance Analysis of Di-Diesel Engine at Different Injection Pressures using Jatropa Methyl Ester “	International Journal of Thermal Technologies(IJTT	ISSN:2277 - 4114	Global I.F 1.752	V. Rambabu, V.J.J.Prasad , P. Ramesh babu
10	Performance and combustion characteristics of DI-diesel engine using Neat MME with DEE”	International Journal of Emerging Technology and Advanced Engineering (IJETAE)	ISSN: 2250 - 2459	No I.F,	P. Ramesh babu, Dr. V. Rambabu, S. Ravi Babu
11	“Effects of Some Parameters on Thermal Conductivity of Nanofluids and Mechanisms of Heat Transfer Improvement”	International Journal of Engineering Research and		1.325 (AQJ) 1.69 (JIF),	S. Ravi Babu, P. Ramesh Babu and

	Pp:2136-2140, Vol.3,2013.	Applications(IJER A),			Dr.V.Rambabu
12	Performance evaluation of an I.C engine in the presence of a C-D nozzle in the air intake manifold,	International journal of current engineering and technologies,		2.552	S. Ravi Babu, K. Prasada Rao, P. Ramesh Babu,
13	, “Diesel Engine Performance Improvement with Biodiesels- A Review”	International Journal of Thermal Technologies(IJTT),		I.F 2.2	T D J Prabha, Dr. P. Ramesh babu, V. Rambabu
14	Fabrication of Dual Powered Vehicle”	International Journal & Magazine of Engineering. Technology, Management and Research,	ISSN NO. 2384-4845		Dr. P.Ramesh Babu. M. Anil Kumar , D. Pratap Varma,”
15	“Experimental analysis on Performance Improvemen of Diesel Engine Utilizing Water Gas”., Volume 2, Issue7. June 2015	International Journal & Magazine of Engineering. Technology, Management and Research	ISSN NO. 2384-4845,		Dr. B.Murali Krishna , Dr. P.Ramesh Babu, Mr. S. Sanyasi Rao,

Books published as single author or as editor

S.No.	Title with page no.	Type of Book & Authorship	Publisher ISSN / ISBN No.	Whether peer reviewed	No. of Co author and date of publications
-Nil-					

Achievements:

S. No	Received Year	Title of the Award	Achievement	Given by
1	2009-10	Best Teacher	<u>Best response in the Subject:</u> 1.Engineering Drawing	GMR Institute of Technology, Rajam
2.	2015-16	Animutyam Ugadhi Puraskaram	<u>Best in Teaching and Social Services in College</u>	Mother Teresa Organization

3.	2015-16	Guru brahma State Award	<u>For best contribution to studies and social activities</u>	Indira Gandhi Foundation
4.	2015-16	Appreciation	<u>For unceasing effort in submitting Minor Research Project</u>	VITS College of Engineering
5.	2016-17	Best Teacher	<u>For highest pass percentage in Engineering Drawing</u>	Balaji Institute of Engineering and Management Studies(BEAM)
6	2017-18	Best Teacher	<u>For highest pass percentage in Engineering Drawing</u>	Balaji Institute of Engineering and Management Studies(BEAM)