


## FACULTY PROFILE

Name of the Faculty:		<b>Dr. M.Venkateswara Rao</b>		
Designation:		<b>Professor</b>		
Department:		<b>Mechanical Engineering</b>		
Date of Birth:		<b>15.07.1964</b>		
AICTE – ID:		<b>1-425991088</b>		
<b>Education</b>	<ul style="list-style-type: none"> <li>➤ <b>Ph. D</b> [Static and Thermo elastic analysis of Adhesive bonded Joints in Laminated FRP Composites] awarded in 2008, December from JNTU, Hyderabad.</li> <li>➤ <b>M.Tech</b> in Machine Design and Analysis with First Division from Sambalpur University, ORISSA, 1989-91</li> <li>➤ <b>B.Tech</b> in Mechanical Engineering with First Division from Nagarjuna University, 1982 – 1986</li> </ul>			
<b>Experience</b>	Teaching: 33 Years	Industry: 3 Years	<b>Total: 36 Years</b>	
	Research: 17 Years	Others: Years		
<b>Research Specialization</b>	<ul style="list-style-type: none"> <li>➤ Fibre Reinforced Polymer Composites</li> <li>➤ Metal Matrix Composites</li> </ul>			
<b>Courses taught</b>	<ul style="list-style-type: none"> <li>➤ Design of machine elements</li> <li>➤ Design of Transmission elements</li> <li>➤ Advanced Machine Design</li> <li>➤ Kinematics of Machinery</li> <li>➤ Mechanical vibrations</li> <li>➤ Dynamics of Machinery</li> <li>➤ Engineering Mechanics</li> <li>➤ Engineering Graphics</li> <li>➤ Energy conversion systems</li> <li>➤ Elements of Mechanical Engineering</li> <li>➤ Machine Drawing</li> <li>➤ Robotics</li> </ul>			

**Research contributions**

**International/national peer reviewed journals  
International journals:47, international conferences :25**

<b>S. No</b>	<b>Title of paper</b>	<b>Journal</b>	<b>Year</b>	<b>Volume</b>	<b>pages</b>	<b>Indexing (SCI/WoS/ SCOPUS, Google scholar)</b>
<b>1</b>	G Suresh, V Vasu , M Venkateswara Rao, “A Composite (Taguchi-Utility-RSM) Approach for optimizing the tribological responses of Poly tetrafluoroethylene (PTFE) Nano composites for self lubrication Applications”,	Silicon	2018			<a href="https://doi.org/10.1007/s12633-017-0718-7">https://doi.org/10.1007/s12633-017-0718-7</a> , SCI journal
<b>2</b>	B. Jayendra, D. Sumanth, G. Dinesh, Dr.M. Venkateswara Rao, Mechanical Characterization of Stir Cast Al-7075/B4C/Graphite Reinforced Hybrid Metal Matrix Composites, Elsevier, Materials Today, Science Direct Materials Today: Proceedings , 2214-7853© 2019 Elsevier Ltd.	Elsevier, Materials Today	2019			
<b>3</b>	<b>K. Srivallirani and M. Venkateswara Rao, “Hardness and dry sliding wear behavior of Al7050 Hybrid composites produced by Stir casting”, Composite theory and Practice, vol. 22, no.3, pp. 150-159, October 2022, ISSN: 2084-6096, ISSN (online): 2299-128X. <a href="https://kompozyty.ptmk.net/pliczki/pliki/1403_2022t03_katepallisrivallirani-m-.pdf">https://kompozyty.ptmk.net/pliczki/pliki/1403_2022t03_katepallisrivallirani-m-.pdf</a>, CTP Journal,Web of Science, ESCI &amp; Free Scopus.</b>	<b>Composite theory and Practice</b>	<b>2022</b>			
<b>4</b>	<b>A.Muralidhar, P. Venkata Sai, B. Charan Kumar, A. Siva Rama Krishna, Dr.M. Venkateswara Rao, Dr V. Damodara Naidu, ‘Mechanical microstructural and tribological behavior of stir cast Al 8011/TiB2/SiC hybrid metal matrix</b>	<b>Elsevier, Materials Today</b>	<b>2022</b>			

	composites', Elsevier, Matereials Today Proceedings,2022					
5	P. Sri Suresh1, Y. Vasu1, Dr M. Venkateswara Rao2, Dr V. Damodara Naidu2 Mechanical, Microstructural Characterization And Tribological Response Of Al 5050/B4c/Sic Stir Cast Hybrid Metal Matrix Composites, 'Lecture Notes in Mechanical Engineering', Springer Nature.Stream:Manufacturing - Composite Processing. The link to the previous conference (ICOFT 2020) proceedings published in 'Lecture Notes in Mechanical Engineering',Springer Publications is <a href="https://www.springer.com/gp/book/9789811642210">https://www.springer.com/gp/book/9789811642210</a> .	Springer	2020			
6	M.Rajya Lakshmi, Dr.M.Venkateswara Rao , "Multi response optimization of machining factors in pocket milling of AISI304 using grey relational analysis", IOP Con Series: Materials and Engineering , 1112(2021)012006 doi:10.1088/1757-899X/1112/1/012006		2021			
7	K. Srivallirani and M. Venkateswara Rao, "Assessing the role of reinforcement size and weight percentage on the mechanical and wear characteristics of Al7050-TiO2-hBN hybrid composites", Engineering Research Express, Vol. 5, no. 1, Eng. Res. Express 5 015049, March 2023. ISSN (online): 2631-8695. DOI: <a href="https://doi.org/10.1088/26318695/acbf96">https://doi.org/10.1088/26318695/acbf96</a> ERX Journal, Web of Science, ESCI & Free Scopus	Engineering Research Express	2023			
8	K. Srivallirani and M.Venkateswara Rao, "Fabrication and mechanical characterization of Al7050-TiO2-hBN hybrid metal matrix	Elsevier, Materials Today	2020			

	composites, Materials Today : Proceedings 39(2021) 1750- 1753 ( Elsevier, Scopus), DOI : 10.1016/j.matpr.2020.06.386					
9	P. Pavan Venkat a, P. Chinnam Naidu , L.Y.N. Pavan Kumar , K. Vivek Babu , M. Krishna Prasad ,M. Venkateswara Rao, Effect of Al <sub>2</sub> O <sub>3</sub> particles on mechanical, microstructural and Tribological characteristics of Al5052 metal matrix composite reinforced with Si <sub>3</sub> N <sub>4</sub> particles , Materials Today: Proceedings journal homepage: <a href="http://www.elsevier.com/locate/matpr">www.elsevier.com/locate/matpr</a>	Elsevier, Materials Today	2022			
10	N.Lokesh,B.Manoj,K.Srikanth,P.Varunkumar,P.K.V.Ramanayya,Dr .Venkateswara Rao, Mechanical Characterization of Al6063 – Cu-TiO <sub>2</sub> reinforced hybrid Metal Matrix composites. Elsevier, Materials Today, Science Direct, Materials Today: Proceedings 5 (2018) 18383–18392	Elsevier, Materials Today	2018			
11	P.Sneha Latha, M. Venkateswara Rao, Investigation into Effect of Ceramic Fillers on Mechanical and Tribological Properties of Bamboo-Glass Hybrid Fiber Reinforced Polymer Composites, Springer, september 2017	Springer	2017			
12	P.Sneha Latha, M.Venkateswara Rao, Comparison of mechanical properties of the ZrO <sub>2</sub> and TiO <sub>2</sub> filler epoxy composite, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 04 Issue: 01   Jan -2017 <a href="http://www.irjet.net">www.irjet.net</a> p-ISSN: 2395-0072 , Impact Factor value: 5.181   ISO 9001:2008 Certified Journal   Page 1086	International Research Journal of Engineering and Technology	2017			
13	P.Sneha Latha, M.Venkateswara Rao , Erosion wear behaviour of bamboo-glass hybrid fiber reinforced polymer, P.Sneha Latha,	International Journal of innovative research in	2017			

	M.Venkateswara Rao , International Journal of innovative research in science , engineering &Technology,Vol-6,Issue 2,Feb 2017 ISSN: 23198753 &23476710	science , engineering &Technology				
14	P Sneha Latha, M Venkateswara Rao, Evaluation of mechanical and tribological properties of bamboo– glass hybrid fiber reinforced polymer composite, Journal of Industrial Textiles (JIT),SAGE,vol- 46,p no 13-18,2016	Journal of Industrial Textiles	2016			
15	P.Sneha Latha Dr. M.Venkateswara Rao V.V.Kiran Kumar , Study of Effect of ZRO2 filler addition on tensile and flexural properties of Bamboo-glass hybrid epoxy composite, International Journal of Advanced Research in Engineering ISSN: 2394-2819 Technology & Sciences ,June-2016 ,Volume 3, Issue-6 Email:editor@ijarets.org www.ijarets.org copyright@ijarets.org Page 108	International Journal of Advanced Research in Engineering	2016			
16	Dr M.Venkateswara Rao, S.Mahesh Baba, “ Eigen value Buckling Analysis of Thin FRP Cross Ply 4- Layered Hexagonal Cut on Rectangular Laminated Composites” , International Journal of Composite Materials ,Volume 6, issue 1, 26-33 , 2016 , DOI :10.5923/ J.c Materials,20160601.04	International Journal of Composite Materials	2016			

**Details of Conferences/FDPs/STTPs/webinars/Workshops Organized**

S. No	Name of the event	Role	Dates
1	Two day seminar on “operations management”		28-29 November 2006
2	BECTAGON Mech. Elements, Paper contest & Quiz		12 th December, 2007
3	BECTAGON Mech. Elements, Paper contest & Quiz		11th ,12 th, March, 2016

4	Coducted National Conference on Advances in Mechanical Engineering, NCAME 2012		March 27, 2012
5	Coducted International conference on "Innovative Trends in Mechanical, Material, Manufacturing, Automobile and Aeronautical Engineering" (ITMAAE-2015)		20th & 21st March, 2015.

**Details of Conferences/FDPs/STTPs/webinars/Workshops Participated**

S. No	Name of the event	Organized by	Dates
1	Computer Applications in Design and Manufacture	REC, Calicut	from 5- 16 May, 1997
2	Short term intensive course on "Advances in composite materials"	Vignans Engineering College, Vadlamudi	from 28-30 June 2007
3	Three-day workshop on "Advanced Composite Materials & Their Applications"	M. V. S.R. Engineering College, Hyderabad	2-4 November, 2006
4	Development of cutting tool technologies and its relevance to the Indian Industry"	REC, Warangal	18 March 2008 under TEQIP.
5	One day workshop on "Mechanics of composite Materials"	Dept. of civil Engg., BEC	on 25-02-2006 under TEQIP
6	Participated in deliberations of the seminar on "Condition based maintenance system"	UCE, Burla	June 21-22, 1991 at
7	Work shop on Design, Analysis and Testing of Composites Products: Theory and Practice	NAFEMS, New Horizon College of Engineering, Bangalore	November 8-9, 2011
8	Work shop on "VIRTUAL LABS IN MECHANICAL ENGINEERING"	VRSEC in Association with Virtual Labs Project, IIT, Kharagpur and under TEQIP	September 22nd, 2012.
9	Work shop on "Preparation of SSR for NAAC Accreditation"	Acharya Nagarjuna University.	11/07/2014 and 12/07/2014

**Awards/recognitions/achievements**

S. No	Name of the Achievement	body/Society/Organization	Year
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1	Member, Indian Society for Technical Education	ISTE	
2	Reviewer of technical papers for International Journal, American institute of aeronautics and astronautics journal (AIAAA)	AIAAA	
3	Member, Board of Studies.		
4	Research Supervisor at Acharya Nagarjuna University	ANU	
5	Acted as co-coordinator for the correction of papers of several colleges.		
6	Acted as Examiner for Project Viva-Voce at various Engineering colleges.		
7	Acted as Chair person for various national conferences at various Engineering colleges.		
8	Acted as external academic audit member at various Engineering colleges.		

**Details of project proposals submitted/sanctioned/completed.**

S. No	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
1	MODROBS	AICTE	COMPLETED	1200000	2012

**Student Project/research guidance**

S. No	Level	Total number	
1	UG	Completed: 37	Ongoing: 1
2	PG	Completed: 6	Ongoing:
3	Ph.D	Completed: 4	Ongoing:6

**Administrative experience**

S. No	Role	Duration (From – to)
1	Head of Department	2009 to 2017

<b>2</b>	Dean R&D	2017 to 2022
<b>3</b>	Planning and Evaluation, Convener	2015 to 2021
<b>4</b>	Mal Practice Committee , Convener	2015 to 2021

**Research credentials**

<b>Index/database</b>	<b>ID/Link</b>
Google Scholar	<a href="https://scholar.google.com/citations?hl=en&amp;user=dilheLEAAAJ">https://scholar.google.com/citations?hl=en&amp;user=dilheLEAAAJ</a>
ORCID :	0000-0003-4547-0375
Vidwan ID	ID : 324647

Dr. M.Venkateswara Rao