


**Sri Sai Ram Engineering College**  
**Department of Mechanical Engineering**

<p>Name : Dr.V.M.MANICKAVASAGAM</p>	
<p>Designation:</p>	<p>ASSOCIATE PROFESSOR</p>
<p>Qualification :</p>	<p>M.TECH; Ph.D</p>
<p>Area of Specialisation :</p>	<p>Composite Materials</p>
<p>Experience :</p>	<p>Teaching : UG: 20 years  PG : 07 years  Industry : 2.5 yrs</p>
<p>No. of workshop / Conferences / FDP attended:</p>	<p>11</p>
<p>No. of workshop / Conferences / FDP organised:</p>	<p>Resource person for FDP  one time</p>
<p>Funded Projects</p>	
<p>Publication :</p>	<p>Journal  International : 13</p>
	<p>Conference  International : 6</p>
<p>Research Guidance :</p>	<p>-</p>
<p>General :</p>	<p>-</p>
<p>Staff Achievements:</p>	<p>1.Gold Medalist at M.Tech  2.Produced 100% pass many times in the  University exams</p>

### *Professional Experience:*

Sl. No	College/Organization	Designation	Period		Total period	Nature of work
			From	To		
1.	Sri Sairam Engineering College, West Tambaram, Chennai-600 044	Associate Professor	19.09.2009	---continuing	Around 9 years & continuing	Teaching
2.	Jaya Engineering College, Chennai	Senior Lecturer	06.06.2002	---12.01.2009	6 years and 7 months	Teaching
		Lecturer	10.06.1998	---29.07.2000	2 years and 1 month	Teaching
3.	Rajarajeswari Engineering college, Chennai	Lecturer	06.05.1997	---08.06.1998	1 year	Teaching
4.	The Indian Engineering College, Tirunelveli Dt	Lecturer	04.02.1992	---24.06.1994	2 years and 4 months	Teaching
5	Easun Group Of Companies chennai	Junior Engineer	27.06.1994	-- 26.08.1996	2 years and 2 months	Quality control

### *International Conferences Attended*

- 1 Second International Conference on Advanced Manufacturing & Automation – 2013, Kalasalingam University. (INCAMA 13). 28 to 30 March 2013
- 2 Second International Conference on Emerging Trends in Energy and Environment (ICETEE 14), Dept of Mechanical Engg, Sri Sairam Engineering College 9 and 10 January 2014
- 2 International Conference on Modeling, Optimization and Computing (ICMOC-2014), Noorul Islam university, Kumaracoil. 10 and 11 April 2014
- 3 First International conference on Advances in Materials and Manufacturing (ICAMME' 14) Dept Of Mechanical Engineering, Sri Sairam Institute of Technology & Dept Of Production Engineering, Sri Sairam Engineering Collge. 19 and 20 December 2014
- 4 International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS'16), Dept of Mechanical Engg, Sri Sairam Engineering College. 24 and 25 February 2016

### *Papers published in the international conferences*

- 1 Second International Conference on Advanced Manufacturing & Automation – 2013, Kalasalingam University. (INCAMA 13). "Green natural fibre composite: concoction and testing of abaca composite". 28 to 30 March 2013

- 2 International Conference on Modeling, Optimization and Computing (ICMOC-2014), Noorul Islam university, Kumaracoil. "Investigation of Tensile Properties of Manila Fibre Reinforced Composite". 10 and 11 April 2014
- 3 First International conference on Advances in Materials and Manufacturing (ICAMME' 14) Dept Of Mechanical Engineering, Sri Sairam Institute of Technology & Dept Of Production Engineering, Sri Sairam Engineering Collge. "Investigation of Tensile Behaviour of Flax-Abaca Hybrid Epoxy Composite" 19 and 20 December 2014
- 4 International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS'16), Sri Sairam Engineering College. "Determination of double shear and delamination behavior of abaca-neem hybrid composite". 24 and 25 February 2016
- 5 International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS'16). Sri Sairam Engineering College. "A review on natural fibers: Abaca, Bamboo, Palmyra". 24 and 25 February 2016
- 6 International Conference on Mechanical, Materials and Manufacturing Systems (ICMMMS'16). Sri Sairam Engineering College. "prediction of tensile behavior of abaca-neem hybrid composite". 24 and 25 February 2016

***Short Term Course (Refresher courses) Attended***

1 07-03-2013- Short term course –Department of Automobile Engineering, Anna University MIT campus Research Methodology, Techniques of writing research articles for SCI journals and Ph.D thesis preparation-UGC Sponsored

***Faculty/Staff Development/Training Program (Orientation programmes) Attended***

1 Faculty Development Program "Computer Aided Design and Usage of Software" -Dept of mechanical Engineering-Sri Sairam Engineering College. From 4.8.2016 to 6.8.2016

2 Industry-Institution Interaction Event: Environment Management in Industrial Sectors- Status and Needs; Department of Mechanical Engineering, Sri Sairam Engineering College from 24.7-2014 to 25.7.2014

3 Faculty Development Program "Advancements in materials, Manufacturing Processes and Management Systems"-Dept of mechanical Engineering-Sri Sairam Engineering College. From 4.11.2013 to 16.11.2013

4 Internal Auditor certificate issued by creative management consultants- ISO 9001:2008 quality management system and Audit training on 11-10-2011

5 Staff development program “Recent developments in manufacturing and Management” Dept of Mechanical Engineering ; Sri Sairam Engineering College 25-07-2011 to 30-07-2011.

### ***Workshops Attended***

1 One day workshop -Dept of mechanical Engineering-Sri Sairam Engineering College and CADD Centre “Value Engineering using Ansys”.19.8.2016

2 One day workshop -Dept of mechanical Engineering-Sri Sairam Engineering College. “Role of Lean Manufacturing on Organisation Competitiveness. 28.8.2014

3 One day workshop on 19-7-2012 Department of Mechanical Engineering, Sri Sairam Engineering College , " Finite element analysis tools and its applications”

4 16-03-2012 and 17-03-2012 UGC Sponsored national workshop/Conference on Advances in thermal analysis of materials (ATM-2012) and presented a paper titled “Experimental analysis of thermal behavior of multilayered coated carbide tool” at the Faculty of Engineering, Annamalai University, Chiddambaram

5 One day workshop -Dept of mechanical Engineering-Sri Sairam Engineering College-Renewable Energy-24-02-2012.

### ***Resource person In FDP***

1 Faculty Development Program “ Advancements in materials, Manufacturing Processes and Management Systems”-Dept of mechanical Engineering-Sri Sairam Engineering College. From 4.11.2013 to 16.11.2013

### ***LIST OF PUBLICATIONS IN INTERNATIONAL JOURNALS***

- 1 “Evaluation of mechanical properties of abaca–jute–glass fibre reinforced epoxy composite”. Materials and design, Vol.51, pp. 357-366, 2013.
- 2 “Fabrication and testing of abaca fiber reinforced epoxy composites for automotive applications”. Advanced Materials Research, Vol.718-720, pp. 63-68, 2013.

- 3 "Evaluation of the flexural properties of pineapple reinforced polymer composite for automotive and electrical applications", Advanced Material Research, Vol.893-720, pp.271-274, 2014.
- 4 "Investigation on flexural and impact properties of abaca and manila hybrid composite", Applied Mechanics and Materials, Vol. 1051, pp.102-106, July 2014.
- 5 "Investigation on impact and compression Properties of Pineapple Reinforced Polymer Composite," Applied Mechanics and Materials, Vol. 591, pp. 116-119, June 2014.
- 6 "Investigation on Compression and Hardness Properties of Abaca and Manila Hybrid Composite", Applied Mechanics and Materials, Vol. 680, pp. 23-26, July 2014.
- 7 "Determination of mechanical properties of intra-layer abaca–jute glass fiber reinforced composite," Materials and Design, Vol .60, pp. 643-652, August 2014.
- 8 "Evaluation of the double shear and hardness of abaca and flax reinforced polymer composite for automotive applications", Applied Mechanics and Materials, Vol. 766-767, pp 85-89, 2015.
- 9 "Investigation of tensile behavior of flax-abaca hybrid epoxy composite ", Applied Mechanics and Materials, Vol. 766-767, pp 140-143, 2015.
- 10 "Investigation of Tensile Properties of Manila Fibre Reinforced Composite", Applied Mechanics and Materials Vol. 766-767, pp 96-99, 2015.
- 11 "Investigation of Flexural Characteristics of Flax and Abaca Hybrid Epoxy Composites", Applied Mechanics and Materials Vol. 766-767, pp 183-186, 2015.
- 12 "Investigation of Tensile behavior of Abaca-Raffia Hybrid composite ", published in APRN International Journal of Engineering And Applied sciences, Vol. 10, No 13, pp 5577-5580, 2015.
- 13 "A Review on Natural and bamboo fiber composites", International Journal Of Advanced Research In Scinece And Engineering And Technology, Vol. 2, Issue 11, PP 1076-1080, 2015.