



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

• Basic Information:

NAME :	Dr. P.V.SANJEEVA KUMAR
DESIGNATION :	ASSOCIATE PROFESSOR
DEPARTMENT :	MECHANICAL ENGINEERING
DATE OF BIRTH :	05-03-1975
DATE OF JOINING :	18-05-2018
EMAIL ID :	sanjeevpalagiri@gmail.com
EMPLOYEE ID :	AITSO31007



• Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D	JNT University Ananthapuramu	2017
M.Tech (Machine Design)	JNTU College of Engineering. Kakinada/JNTUH	2005
B.Tech (Mechanical Engineering)	JNTUA College of Engineering. Anantapur /JNTUH	1999

• Research Details:

1. Areas of Specialization :	Machine Design, Composite Materials
2. No. of Publications :	31
3. Awards Received :	02
4. Research Guidance	
	No. of PhD Guided: 03 [pursuing]
	No. of M.Tech. Guided: 02
	No. of B.Tech. Guided: 22
5. Details of Professional Membership:	IEI, IAENG.
6. Subjects Taught :	Machine Design, Theory of Machines, Engineering Drawing, Fluid Mechanics and Hydraulic Machines, Engineering Mechanics, Manufacturing Processes, Instrumentation and control systems



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Title	Publisher/Name of Journal	Published Year
1. Performance of Coconut Particulate Filled Polyester Composites	Pakistan Journal of Science and Industrial Research	2012
2. Compression and Impact Properties of Clay /Epoxy Nano composites Reinforced with Short Weave Glass Fiber Reel	International Journal of Nano materials and Bio structures	2012
3. Fabrication and characterization of Polymer laminate composites reinforced with bi-woven carbon fibers	International Journal of Engineering Research and Applications	2015
4. Bending Analysis of Smart Composite Laminated Plates Using Higher Order Theory	Journal of Applied Sciences and Research	2016
5. Transient Analysis of Smart Composite Laminated Plates Using Higher Order Theory	International Journal of Mechanical Engineering and Technology	2016
6. Vibration Analysis of Smart Composite Laminated Plates Using Higher Order Theory	International Journal of Mechanical and Production Engineering	2017
7. Bending Analysis of Smart Composite Laminated Plates Subjected To Electro-Mechanical Loading sing HOSDT	IOSR Journal of Mechanical and Civil Engineering	2017
8. Design and Fabrication of Motorized Staircase Climbing Trolley	International Journal of Applied Engineering Research	2018
9. Evaluation of Performance of Single cylinder 4S-CI Engine Using a Neat Biodiesel Blend	International Journal of Research in Advent Technology	2018
10. Experimental Research on Battery Reliability	International Journal of Recent Technology and Engineering	2019
11. Flexural Analysis Of Smart Structural Composite Laminates By Using A New Higher Order Theory	International Journal of Mechanical and Production Engineering Research and Development	2019
12. Polymer Laminated Composites Reinforced With Bi-Woven Glass Fibers: Subjected To Tensile And Compression Loading	International Journal of Scientific Technology & Research	2020
13. Design Analysis and Effect of Process Parameters on 'Fsbw' of Al (2618a)-SIC Alloy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020
14. Heat and Mass Characteristics of Magneto-Newtonian Fluid Through Upright Porous Plate	Advances in Cybernetics, Cognition, and Machine Learning for Communication Technologies, Lecture Notes in Electrical Engineering	2020



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15. An Experimental Studies on the Polymer Hybrid Composites—Effect of Fibers on Characterization	Intelligent Manufacturing and Energy Sustainability, Smart Innovation, Systems and Technologies	2020
16. An Investigation on Vertical Porous Plate in a Conducting Fluid with Multiple Boundary Layer Flow of Casson Fluid	South East Asian J. of Mathematics and Mathematical Sciences	2021
17. MHD Jeffery Fluid Flow Past a Vertical Plate with Uniform Boundaries	JP Journal of Heat and Mass Transfer	2021
18. A nanofluids and nanocoatings used for solar energy harvesting and heat transfer applications: A retrospective review analysis	Materials Today: Proceedings	2021
19. Flexural and Impact Characterization of Polymer Laminated Composites Reinforced with Bi-Woven Glass Fibers	Journal of Optoelectronics and laser	2022
20. MHD Flow Past A Vertical Plate Of Casson Fluid With Heat And Mass Transfer Effects	South East Asian J. of Mathematics and Mathematical Sciences	2022
21. Design of collaborative robots for arc welding applications by using MotoSIM software	Neuroquantology	2022
22. Study on MHD Free Convection flow of a Casson Fluid Flow Past a Vertical Porous Plate With Uniform Boundaries	GANITA	2022
23. Investigation on the Mechanical Characteristics of Bio Composites Derived from Jute, Palm Fibers and Seashell Powder	European Chemical Bulletin	2023
24. MHD Convective Flow of Chemically Reacting Viscoelastic Fluid Through an Infinite Inclined Plate via Machine Learning.	Modern Approaches in Machine Learning and Cognitive Science: A Walkthrough	2024
25. MHD Convective Flow of Chemically Reacting Viscoelastic Fluid through an Infinite Inclined Plate.	GANITA	2024
26. Investigation on Compressed air Energy Storage System for Efficient Utilization of Renewable Power Resources	International Journal of Power and Energy Conversion	2024
27. Microstructural Evaluation and Tribological Performance of Friction Stir Processed AA2024-Brass Composites	Journal of Institute of Engineers India: Series-D	2025
28. Eco-friendly composites from waste materials	Ecological Engineering & Environmental Technology	2025
29. Influence of tool pin geometry on microstructure and mechanical properties of AA2024-Brass composites fabricated by friction stir processing	Applications of AI in Smart Technologies and Manufacturing	2025
30. Effect of rotational speed on microstructural evaluation and mechanical behaviour of AA2024-Brass composites fabricated by friction stir processing	Applications of AI in Smart Technologies and Manufacturing	2025
31. A novel approach to enhancing corrosion resistance in aluminium matrix composites via brass	Russian Physics Journal	2026



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reinforcement through friction stir process.		
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- **Patent Details:**

Title of Patent	Submitted/Published/Awarded
1. Semi-Automatic Pneumatic Powered Rod Bending Machine Using Solenoid Valve	Published
2. Method for simultaneous scheduling in multi-machine flexible manufacturing system to minimize make span	Published