

Department of Mechanical Engineering

Personal Details

Name:	Dr.T.Suresh
Designation:	Assistant Professor
Educational Qualification:	M.Tech., Ph.D., PDF.
Experience:	13 years
Area of Specialization:	CAD/CAM.
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Educational Details

S.No	Degree	Branch/Specialization	Institute/University	Year
1	BE	Mechanical Engineering	Sri Ramanujar Engineering college / Anna University	2009
2	M.Tech	CAD/ CAM	SRM Institute of science and Technology	2013
3.	Ph.D	Mechanical Engineering	SSN College of engineering / Anna University	2022
4.	PDF	Mechanical Engineering	SSN College of engineering	2023

Publication Details

International Journal

1. **Suresh, T**, Jayakumar, K, Selvakumar, G & Ram Prakash, S 2021, „Comparative Machining characteristics studies on SS 304 Using coated and uncoated brass wire through wire EDM“, Metallurgia Italiana, vol. 5, pp. 32-42, Impact Factor: 0.546.
2. **Suresh, T**, Jayakumar, K, Selvakumar, G & Ram Prakash, S 2022, „Experimental investigation on improvement of machinability of SS 304 through Multipass cutting in WEDM“, Arabian journal for Science and Engineering, Impact Factor: 2.334.

3. **Suresh, T**, Jayakumar, K, Lal Mohammed Khan P & S Senthur Vaishnavan 2024, 'Experimental investigation of 3D taper profile machining of SS304 using WEDM', Journal of the Chinese Institute of Engineers, Vol. 47 (2) Impact Factor: 2.334

International Conference

1. **Suresh, T**, Jayakumar, K 2022 "Effect of wire materials on performance during WEDM of SS304", Materials Today: proceedings, vol. 62 (2), pp. 606-610, Scopus indexed.
2. **Suresh, T**, P.Aruneash, S.Gunasekar, B.Janakiraman Comparison of Brass and Zinc Coated Wire Electrode Using Wire Cut EDM Concerning MRR of Machining SS304, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6 (3), pp. 4970-4976.
3. S. Senthur Vaishnavan, K. Jayakumar, P. Naveen Kumar, **T.Suresh**, 2022, 'Effect of ER5183 filler rod on the metallurgical and mechanical properties of TIG welded AA5083 and AA5754 aluminium alloys', Materials Today: proceedings, Vol. 72 (4), pp. 2251-2254, Scopus indexed.
4. Jayakumar, K, **Suresh. T**, S. Senthur Vaishnavan &M.Rajesh 2024 "The 3D Taper Profile Machining of Superalloys and Composites Using WEDM: A Review", Enginering procedia, vol. 61 (1), pp. 606-610, Scopus indexed

BOOKS PUBLISHED

1. Manufacturing Technology – II: Sams Publishers Authors- A. Madhankumar & T. Suresh, ISBN: 9789387748095 (1st Edition 2018)
2. The Role Of Drones In Sustainable Farming: Reducing Chemical Usage And Enhancing Crop Sustainability 6th International Black Sea Modern Scientific Research Congress On 25.08.2024, Ankara, Turkey, ISBN: 978-625-367-820-3.

Program Attended

FDP/STTP

1. Attended FDP program on research methodology @ VIT University, Chennai > NCRTME 16 Conference. Chennai-73 on 20th August 2016
2. Organized symposium (ROYAL MECHONZ) and workshop (MECHIOR AIME) on 2018 September and 2019 August.
3. Attended second international conference on engineering materials, metallurgy and manufacturing ICEMMM 21 - SSN College of Engineering, Chennai on Dec 16 & 17, 2021.
4. Participated in "Modern Trends in Manufacturing Engineering" organized by the Department of

Mechanical Engineering, SSN College of Engineering, Chennai on 30-9- 2021.

5. Participated in “International Conf. on Processing and Performance of Materials (ICPPM23) organized by the Department of Mechanical Engineering, SSN College of Engineering, Chennai on 02nd and 3 rd March 2023.
6. 6th International Black Sea Modern Scientific Research Congress On 25.08.2024, Ankara, Turkey

Other Details

1. Active SWAYAM-NPTEL contributor.
2. Actively participating in FDPs, PDPs, STTPs, Conferences and Workshops.