

Panel members from Affiliated to Anna University		
S.No	Name with full address	Area of specialization
1.	Name : Dr.P.Gurusamy Designation : Professor Department : Mechanical Engineering Address :Chennai Institute of Technology, Kundrathur, Chennai, Tamil Nadu 600069 Mobile : 9500034584 Email : gurusamyp@citchennai.net .	Composites

List of publications for last 5 years	
1.	Gurusamy P, Prabu SB, Nagasankar P, Muthuraman V, Mohanavel V. Solidification behaviour of squeeze cast aluminium composites. InAIP Conference Proceedings 2020 Oct 29 (Vol. 2283, No. 1, p. 020028). AIP Publishing LLC.
2.	Mohanavel V, Kumar SS, Ganeshan P, Vishnukumar R, Gurusamy P. Physical, mechanical and wear performance of graphite (Gr) particles incorporated aluminium matrix composites–An overview. InAIP Conference Proceedings 2020 Oct 29 (Vol. 2283, No. 1, p. 020088). AIP Publishing LLC.
3.	Ravi S, Gurusamy P. Experimental investigation to study the performance of cryogenic cooling in end milling of AISI P20 steel. Materials Today: Proceedings. 2020 Sep 18.
4.	Ravi S, Gurusamy P. Experimental investigation to study the performance of cryogenic cooling in end milling of AISI P20 steel. Materials Today: Proceedings. 2020 Sep 18.
5.	Ravi S, Gurusamy P. Studies on the effect of cryogenic machining of AISI D2 steel. Materials Today: Proceedings. 2020 Sep 17.
6.	Ravi S, Gurusamy P. A comparative study on coated carbide inserts performance in cryogenic end milling of AISI D2 tool steel. Materials Today: Proceedings. 2020 Aug 28.
7.	Kumar JL, Gurusamy P, Karthik SH, Naveen R. A novel design method for the conversion of air to water based on the 3D structure of Metal-Organic material. Materials Today: Proceedings. 2020 Jul 24.
8.	Subash P, Nagendharan S, Gurusamy P, Kishore R. Fatigue and vibrational analysis of composite plates based on curve fitting method. Materials Today: Proceedings. 2020 Jul 24.
9.	Ravi S, Gurusamy P. Cryogenic machining of AISI p20 steel under liquid nitrogen cooling. Materials Today: Proceedings. 2020 Jul 22.
10.	Gurusamy P, Thirupathiraja S, Raj SH, Kumar JL. Experimental investigation and CFD analysis of inlet manifold in Internal combustion engine. Materials Today: Proceedings. 2020 Jul 17.
11.	Kishore R, Gurusamy P, Nagendharan S, Subash P. Optimal design and enhancement of drive shaft mechanism in automobiles. Materials Today: Proceedings. 2020 Jul 3.
12.	Nagendharan S, Kishore R, Gurusamy P, Subash P. Finite element analysis with experimental validation of crack initiation in valve housing. Materials Today: Proceedings. 2020 Jun 27.
13.	Ravi S, Gurusamy P. Experimental investigations on performance of TiN and TiAlN coated tools in cryogenic milling of AISI D2 hardened steel. Materials Today: Proceedings. 2020 Jun 26.

14.	Ravi S, Gurusamy P. Role of cryogenic machining: A sustainable manufacturing process. Materials Today: Proceedings. 2020 Jun 26.
15.	Ravi S, Gurusamy P, Mohanavel V. A review and assessment of effect of cutting fluids. Materials Today: Proceedings. 2020 Jun 11.
16.	Gurusamy P, Raj SH, Kumar JL, Thirupathiraja S, Nagendharan S. Microstructure and temperature distribution of aluminium based composites using finite element analysis. Materials Today: Proceedings. 2020 Jun 11.
17.	Gurusamy P, Raj SH, Devarajan S, Kumar SD, Mahesh R, Subash P. Finite element analysis and experimental study on the deformation characteristics of lock ring. Materials Today: Proceedings. 2020 Jun 10.
18.	Ali Z, Muthuraman V, Rathnakumar P, Gurusamy P, Nagaral M. Investigation on the tribological properties of copper alloy reinforced with Gr/ZrO ₂ particulates by stir casting route. Materials Today: Proceedings. 2020 Jun 10.
19.	Gurusamy P, Tamilselvan S, Saravanan S, Gopal DN. Experimental investigation of AA2014 alloy with reinforcement of fly ash and SiC hybrid composites by stir casting method. Materials Today: Proceedings. 2020 Jun 10.
20.	Ravi S, Gurusamy P. Experimental studies on the effect of LN ₂ cooling on the machining of tool steel. Materials Today: Proceedings. 2020 May 29.
21.	Ravi S, Gurusamy P. Experimental investigation of cryogenic cooling on cutting force, surface roughness and tool wear in end milling of hardened AISI D3 steel using uncoated tool. Materials Today: Proceedings. 2020 May 28.
22.	Nagasankar P, Gurusamy P, Gopinath S, Gnanaprakash K, Pradeep G. Optimization of process parameters on engine exhaust valves using Taguchi method in friction welding process. Materials Today: Proceedings. 2020 May 23.
23.	Gurusamy P, Asington CB, Selvam K, Kumar PA. Mechanical properties and dry sliding wear behaviour of Al2219 alloy reinforced with TiB ₂ composites by stir casting route. Materials Today: Proceedings. 2020 May 15.
24.	V Muthuraman, P Gurusamy, S Arunkumar, Parthiban. Investigation on Influence of Cutting Forces In Performance Evaluation of Machining Of Al/SiC Composite (LM-13) Using Cryogenic Liquid Nitrogen as A Coolant. Testing Engineering and Management. Vol.82. pp: 1176-80 (2020)
25.	Gurusamy P, Gandhi U, Mangalanathan U, LR KM. Electrical Conductivity Based Quality Measurement of Diesel Exhaust Fluid. Journal of Analytical Chemistry. 2018 Nov 1;73(11):1128-35.
26.	Gurusamy P, Gandhi U, Mangalanathan U, Jayabalan A. Higher order sliding mode controller for urea-SCR system. Turkish Journal of Electrical Engineering & Computer Sciences. 2018 May 30;26(3):1505-14.
27.	Gurusamy P, Gandhi U, Mangalanathan U. A study on optical characteristics and quality monitoring of diesel exhaust fluid. Optik. 2018 Feb 1;155:31-5.
28.	P.Gurusamy,P.Nagasankar,P.Sathyamoorthy,V.VinothKanna,P.ManiBharathi,D.Srikanth. Reduction of Blow holes in Aluminium High Pressure Die Casting Machine. International Journal of Engineering & Technology, Volume 7 410-413.
29.	Gurusamy P, Gandhi U, Mangalanathan U, Lr KM. Measurement of diesel exhaust fluid concentration in urea-SCR after-treatment system. International Journal of Precision Engineering and Manufacturing. 2017 Aug 1;18(8):1085-92.
30.	Gurusamy P, Anbarasan C, Krishnan PM. Tribological Behavior of A-356/SiC/B. Indian Journal of Science and Technology. 2016 Dec;9:48.