

Sl. No.	Name with full address	Area of specialization
Panel Member from Affiliated College/Institution		
3.	Name : Dr. K. S. Vijay Sekar Designation : Associate Professor Department : Mechanical Engineering Address : SSN College of Engineering, Chennai, Tamil Nadu 603110 Mobile : 9940316158 E-mail : vijaysekarks@ssn.edu.in	Finite Element, Machining, Orthogonal cutting simulation

List of Publications for last 5 years	
1.	K. Praveen Jerish, J. Rakesh Kumar, R. Ramakrishnan, and K. S. Vijay Sekar Design and Analysis of a Novel Hybrid Car Bumper Using Non-Newtonian Fluid and High-Density Polyethylene Lecture Notes in Mechanical Engineering, Vol: Trends in Mechanical and Bio medical design, 2020 949 958
2.	Gobivel, K. S. Vijay Sekar, G. Prabhakaran, R. Sugin Elankavi Experimental Investigations on Orthogonal Turning of Inconel 718 with TiAlN Coated Tool K. Materials Science Forum, Vol. 979, 2019 142 148
3.	K. S. Manoranjan, V. Harish Narayanan, T. Manoj Kumar, R. Ashwin and K. S. Vijay Sekar Investigation of friction models in the machining of Inconel 625 Super Alloy using FEM IOP Conf. Series: Materials Science and Engineering , 2019 577 586
4.	Prakash C and Vijay Sekar K.S Influence of Friction Coefficient & Failure Models in 3D FEA Simulation of Drilling of Glass Fiber Reinforced Polymer Composites Lecture Notes in Mechanical Engineering, Vol: Advances in Manufacturing Processes, 2018, ISSN: 2195-4356 81 90
5.	K. Gobivel ,K. S. Vijay Sekar, G.Prabhakaran Finite Element Analysis of High Speed Machining of CFRP Material, Lecture Notes in Mechanical Engineering, Vol: Advances in Materials and Metallurgy, 2018 ISSN: 2195-4356 137 147
6.	Prakash C and Vijay Sekar K.S, 3D Finite Element Analysis of Slot Milling of Unidirectional Glass Fiber Reinforced Polymer Composites Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol.40. 2018. ISSN: 1678-5878 279 291
7.	Ajay Subramanyam BV and Vijay Sekar K S A Review of Finite Element Analysis in Machining processes, Advanced Science, Engineering and Medicine, Vol. 10 (3), 2018,255 258
8.	Prakash C and Vijay Sekar K.S ,3D Finite Element Analysis of Drilling of Glass Fiber Reinforced Polymer Composite Advanced Science, Engineering and Medicine, Vol. 10(3), 2018,ISSN:2164-6627308 312
9.	Prakash C and Vijay Sekar K.S, 3D Finite Element Analysis of Slot Milling of Carbon Fiber Reinforced Polymer Composite, The Journal of the Balkan Tribological association, Vol.23:3, 2017,ISSN: 1310-4772 497 514
10.	Y. Allwin Roy, K. Gobivel ,K. S. Vijay Sekar ,S. Suresh Kumar, Impact of Cutting forces and Chip microstructure in High Speed Machining of Carbon fiber – Epoxy composite tube, Archives of Metallurgy and Materials, Vol.62 (3), 2017 1771 1777
11.	Seshadri R, Naveen I, Sharan Srinivasan, Viswasubrahmanyam M, Vijay Sekar K S, Pradeep Kumar M ,Finite Element Simulation of Machining of an Aerospace alloy, World Journal of Modelling and Simulation, Vol. 13 (2017) No. 4 ISSN: 1746-7233 268 277
12.	Y J Nithiya Sandhiya, Thamizharasan M M, Ajay Subramanyam B V,K S Vijay Sekar , S Suresh Kumar , Finite Element Analysis of Tool Particle Interaction, Particle Volume Fraction, Size, Shape and Distribution in Machining of A356/SiCp, Materials Today (Proceedings), Vol.5, 2017 ISSN: 2214-7853 16800 16806
13.	Shivaram PR, Sushinder K, Nivedh Kannaa SB , Nisarg Gupta, and Vijay Sekar KS Experimental Investigation and Finite Element Analysis of Milling of Ti-6Al-4V Titanium

	Alloy by Studying Cutting Forces and Chip Microstructure, Applied Mechanics and Materials , Vol. 852, 2016 ISSN: 1662-7482 311 316
14.	Sriram S, Vignesh V, Vijay Sekar K S, Pradeep Kumar M Finite element modelling of orthogonal cryogenic machining process, Applied Mechanics and Materials , Vol. 852, 2016, ISSN: 1662-7482 248 254
15.	Thamizharasan. M. M.,Nithiya Sandhiya. Y. J., Vijay Sekar. K. S. and Bhanu Prasad. V. V Finite element analysis of the effect of cutting speed on the orthogonal turning of A359/SiCp MMC, Applied Mechanics and Materials , Vol. 852, 2016 304 310
16	MM Thamizharasan, Nithiya Sandhiya YJ and K.S.Vijay Sekar, Review of composite machining and related optimization techniques, Applied Mechanics and Materials , Vols. 813-814, 2015 ISSN: 1662-7482 398 403
17	M Padmakumar, D Dinakaran, G Ravikumar Solomon, K.S.Vijay Sekar, Performance Evaluation of Cryogenically Treated Tungsten Carbide Insert on Face Milling of Grey Cast Iron, Applied Mechanics and Materials , Vols. 813-814, 2015, 569 574
18	Sushinder K, Shivaram PR, ,Nivedh Kannaa SB , Nisarg Gupta and Vijay Sekar KS, Investigation of Thrust forces, Torque and Chip microstructure during Drilling of Ti-6Al-4VTitanium alloy, Applied Mechanics and Materials , Vol. 787, 2015, 431 436
19	Vimalesh M, Srikanth Prabhu and Vijay Sekar K.S , Machinability Studies in Drilling of Inconel 718 Super alloy, Applied Mechanics and Materials , Vol. 787, 2015, 480 484
20	K.Anand M. V.Siddharth K.S. Vijay Sekar S. Suresh kumar, Impact of tool inserts in high speed machining of GFRP composite material, Applied Mechanics and Materials , Vol. 787, 2015, ISSN: 1662-7482 664 668
21	K.S. Vijay Sekar andM. Pradeep Kumar, Sensitivity Analysis of Material Constitutive Model Parameters in Numerical Simulation of the Orthogonal Turning Process, Advanced Materials Research, Vols. 1119, 2015
22	M.V.SIDDHARTH, K.ANAND, K.S.VIJAY SEKAR, S.SURESH KUMAR ,An investigation of the effects of fiber orientation in GFRP machining using FEM, International Journal of Applied Engineering Research, Vol. 10 No.51(2015)