

## Members from other University / Institutions DC MEMBER DETAILS – 6

Name with full address		Area of specialization
Name	: Dr. D VIJAYAN	Friction stir Welding, Material Characterization
Designation	: Assistant Professor	
Department	: Mechanical Engineering	
Name of the Organization/Institution	: Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University (SCSVMV)	
Place	: Kancheepuram	
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### List of publications for last 5 years

1.	Kalyan Chakaravarthy, V. V., Rajmohan, T., <b>Vijayan, D.</b> , Palanikumar, K., & Latha, B. (2020). Sustainable drilling performance optimization for Nano SiC reinforced Al matrix composites. Materials and Manufacturing Processes, 1–9. doi:10.1080/10426914.2020.1772484.
2.	B Vignesh Aravind <b>D Vijayan</b> , A Tamilarasan [2020]. Effect of Process Parameters on Drilling of Carbon Fiber Reinforced Polymers. Advances in Materials and Manufacturing Engineering, 469-476p.
3.	A.Venkata Akhil A Tamilarasan, G Sriram, A. Arumugam, <b>D. Vijayan</b> , D. Rajamani. (2020). Multi Objective Optimization of WEDM Process Parameters Using NSGA-II Algorithm. Advances in Materials and Manufacturing Engineering, 405-411p.
4.	Rajmohan, T., Vijayabhaskar, S., & <b>Vijayan, D.</b> (2019). Multiple Performance Optimization in Wear Characteristics of Mg-SiC Nanocomposites Using Grey-Fuzzy Algorithm. Silicon. doi:10.1007/s12633-019-00196-4
5.	<b>D Vijayan</b> , T Rajmohan (2019). Modeling and evolutionary computation on drilling of carbon fiber-reinforced polymer nanocomposite: an integrated approach using RSM based PSO. journal of the Brazilian Society of Mechanical Sciences and Engineering, volume 41, issue 10, pg 395.
6.	Kiruthika, K., <b>Vijayan, D.</b> , & R, L. (2019). Retrieval Driven Classification for Mammographic Masses. 2019 International Conference on Communication and Signal Processing (ICCSP). doi:10.1109/iccsp.2019.8698044
7.	<b>Vijayan, D.</b> , & Seshagiri Rao, V. (2018). Process Parameter Optimization in TIG Welding of AISI 4340 Low Alloy Steel Welds by Genetic Algorithm. IOP Conference Series: Materials Science and Engineering, 390, 012066. doi:10.1088/1757-899x/390/1/012066
8.	<b>Vijayan, D.</b> , & Abhishek, P. (2018). Multi Objective Process Parameters Optimization of Friction Stir Welding using NSGA – II. IOP Conference Series: Materials Science and Engineering, 390, 012087. doi:10.1088/1757-899x/390/1/012087
9.	V. Seshagiri Rao <b>D.Vijayan</b> (2017). Optimization of friction stir welding process parameters using RSM based Grey – fuzzy approach. Saudi Journal of Engineering and Technology, vol 2, issue 1 , pg 12-25.
10.	<b>Vijayan, D.</b> , & Seshagiri Rao, V. (2016). Parametric optimization of friction stir welding process of age hardenable aluminum alloys–ANFIS modeling. Journal of Central South University, 23(8), 1847–1857. doi:10.1007/s11771-016-3239-1

11.	<b>Vijayan, D.,</b> & Seshagiri Rao, V. (2015). Parametric Optimization of Age Hardenable Aluminum Alloys Using TGRA Coupled with PCA. Applied Mechanics and Materials, 813-814, 613– 619. doi:10.4028/www.scientific.net/amm.813-814.613