DC MEMBER DETAILS – 4 (Other University)

Name	: Dr. D Vijayan
Designation	: Assistant Professor
Department	: Mechanical Engineering
Name of the Organization/Institution	: Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University (SCSVMV)
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Area of Specialization	: Friction stir Welding, Material Characterization

List of Publication (Last 5 years):

1. Kalyan Chakaravarthy, V. V., Rajmohan, T., **Vijayan, D.,** 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. Rajmohan, T., Vijayabhaskar, S., & **Vijayan, D.** (2019). Multiple Performance Optimization in Wear Characteristics of Mg-SiC Nanocomposites Using Grey-Fuzzy Algorithm. Silicon. doi:10.1007/s12633-019-00196-4

3. B Vignesh Aravind **D Vijayan,** A Tamilarasan [2020]. Effect of Process Parameters on Drilling of Carbon Fiber Reinforced Polymers. Advances in Materials and Manufacturing Engineering, 469-476p.

4. A.Venkata Akhil A Tamilarasan, G Sriram, A. Arumugam, **D. Vijayan,** D. Rajamani. (2020. Multi Objective Optimization of WEDM Process Parameters Using NSGA-II Algorithm. Advances in Materials and Manufacturing Engineering, 405-411p.

5. **D Vijayan,** 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., **Vijayan, D**., & 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. **Vijayan, D.,** & 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. **Vijayan, D**., & 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 **D.Vijayan** (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. **Vijayan, D**., & 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. **Vijayan, D.,** & 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