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#### **Overview:-**

Mr.Manikandan G is working as an Assistant Professor in the Department of Mechanical Engineering at SRMIST, Ramapuram. He is graduated in Mechanical Engineering at Anna University, Chennai, Tamilnadu, India. He completed Master of Engineering in Computer Integrated Manufacturing at Anna University, Chennai, India. He is pursuing Ph.D. in the field of Welding at SRM University, Chennai, India. He has been dedicated to the field of education for a span of 12 years. He has published research papers in National and International Journals, Conference and Symposiums.

#### **Areas of Research:**

Welding and Composite Materials.

#### **Selected Publications:**

1. Manikandan G, Srinath R, Ayush Jaiswal, Akshay Naramshettiwar, Sushant Malik, “Fabrication and Analysis of EPDM-Buffering Dust Composite” International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9 Issue-1, November 2019.
2. G.Manikandan, C. Uthirapathy, A. Mathivanan, S.D. Kumar and S. Ganesh, “Experimental Investigation of Fast Charging Battery Using Molybdenum Disulfide and Graphite Composite”, Vidyabharati International Interdisciplinary Research Journal, ISSN 2319-4979.
3. G. Manikandan, S. D. Kumar, S. R. S Ajit, Venkat Jaya Deep & Nikhil Thomas, “CFD Analysis of Aerofoil for Darrieus Vertical Axis Wind Turbine”, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN(P): 2249-6890; ISSN(E): 2249-8001, Special Issue, Jun 2018.
4. Uthirapathy, C; Swaminathan, G; Mathivanan, A; Kumar, S D; Manikandan, G; Madhesh, D, Experimental investigation of solar steam generator using nanocoating, Materials Today: Proceedings, 2020/1/1, Vol-33, PP428-434, Elsevier.

5. S.D.Kumar, G.Manikandan & C.Uthirapathi, "Design of Hybrid Vehicle Using Wind Energy", International journal of mechanical engineering and production engineering, Research and Development (IJMPERD), ISSN(P): 22496890; ISSN(E):2249-8001 Special issue, Jun 2018,145-151.
6. D.K. Mohan kumar, A. Mathivanan, G.Manikandan, S.D. Kumar, "Fabrication And Testing Of 13 Layer Glass Fiber Laminates For Application In Electrical Junction Boxes And Enclosures",Pak. J. Biotechnol. Vol. 15 (Special Issue ICROME 17) Pp. 61-65 (2018) ,www.pjbt.org PISSN: 1812-1837, EISSN 2312-7791
7. Thirumurugan.D, Manikandan.G, "Design and Fabrication of Compliant Mechanism based Microgripper with Integrated XY Positioning Stage" International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.68 (2015).
8. Design and computer aided analysis of Vitralit 1722 adhesive bonded clips for mountings, Manikandan G, Ayyanar C, 2021.
9. Dynamic analysis of Shock absorber spring made of Carbide nano particles blended Polymer matrix composites, S Ganesh, Manikandan G, 2021.
10. G.Manikandan, Participated in one day Faculty development program on "Research perspectives in IC Engines" on December 6th 2017, conducted by mechanical engineering association.

**Patent:**

1. 202241069833 / Automated Sprinkler System with Adjustable range and IOT control/ published on 09.12.2022.
2. 202241058431 / Industry4.0 tools can be used as a model for digital human resource management, which will help operations run better, published on 14.09.2022.
3. 2141030392 / Rescue and surveillance Vehicle For Women Safety published on 16.07.2021.
4. 202041040380 / 3D Printing Filaments from Plastic and electronic waste published on 25.09.2020.
5. 202041040362 / An Automated Car Jack/published on 24.09.2020.

**Professional Bodies:**

ISTE, IISC

**Google Scholar:**

<https://scholar.google.com/citations?user=snLUjEgAAAAJ&hl=en>

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