

Dr.G.Swaminathan M.Tech, Ph.D

Assistant Professor,

Dept of MECH,CET,SRMIST

Ramapuram Campus, Chennai – 89

Email : swaminag@srmist.edu.in



Overview:-

Dr.G.Swaminathan Working as an Assistant Professor in the Department of Mechanical at SRMIST,Ramapuram. He Graduated in Mechanical Engineering at Institute of Engineers, Kolkata, India. He secured Master of Engineering in Computer Aided Design at SRM University, Chennai, India. He Pursued Ph.D. in the field of Welding Technology at Bharath Institute of Higher Education, Chennai, India. He is in teaching profession for more than 12 years. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Welding Technology, Friction Stir Welding, Composite Materials.

Selected Publications:

Web of Science/SCI

1. A Mathivanan, **G Swaminathan**, P Sivaprakasam, R Suthan, V Jayaseelan, DEFORM 3D Simulations and Taguchi Analysis in Dry Turning of 35CND16 Steel, Advances in Materials Science and Engineering 2022.
2. S.Sathiyamurthy, **G.Swaminathan** P.Jayaprakash, P.Srinivasan,Mechanical and dimensional stability behaviours of alkali-treated calotropis giganteafibre-reinforcedbio-particles impregnated epoxy composites, Mehran University Research Journal of Engineering and Technology 41 (1), 109-112.
3. R Jeyapragash, S Sathiyamurthy, V Srinivasan, R Prithivirajan, **G.Swaminathan**, Properties and Characteristics of alkali treated calotropis gigantea fiber-reinforced particle-filled epoxy composites, Composite Theory and Practice 22 (2), 99-105.
4. Manikandan.N, **G. Swaminathan** , Yedula Ajith Reddy, Akhil Varier, Design And Fabrication Of Al-Si (Er4043) Aluminium Impeller Using Wire Arc Additive Manufactured (Waam), International Journal of Modern Agriculture 10 (2), 4176-4189.
5. Manikandan.N, **G. Swaminathan** , Arijit Debnath, Vaidehi Nagwanshi, Design And Manufacturing Al-Si (Er4043) Aluminum Aircraft Landing Gear Base Plate Using Wire Arc Additive Manufacturing Process (Waam), International Journal of Modern Agriculture 10 (2), 4165-4175.

6. Manoj Kumar.V, **G.Swaminathan**, Abhinash Jha, Souvik Goswami, Aditya Yadav, Desalination Of Saline Water Using Phase Changing Materials and Nanoparticles, International Journal of Modern Agriculture 10 (2), 4215-4219.

7. G. Swaminathan, S.D. Kumar, S. Sathiyamurthy and A. Mathivanan, Influence of process variables on fracture behaviours of AA7075/AA6101 friction stir welded joints, International Journal of Microstructure and Materials Properties, Vol. 15, No. 3, pp 196-214.

Patents:

1. 202041041872-Dynamically Stable Active Sphere on 29.09.2020
2. 202041040362-An Automated Car Jack on 17.09.2020
3. 202041040380 -3D Printing Filaments From Plastic And Electronic Waste on 17.09.2020
4. 202141030392 - Rescue and Surveillance Vehicle for Women Safety on 06.07.2021

Books/Book Chapters Published:

1. Recent Advancements on Design and Development of Multi Drop Auto-Walk, **G.Swaminathan**, S. D. Kumar, A. Mathivanan, Advanced Aspects of Engineering Research Vol. 3, 22 February 2021, Page 50-58.
2. Unconventional Machining Process by Kavitha Publications, ISBN:978-81-8345-546-6,

Professional Bodies:

Member – MIE, IAENG

Google Scholar:

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

LinkedIn:

www.linkedin.com/in/dr-g-swami-nathan-7aa8287