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Overview :-

Dr.A.Mathivanan Working as an Associate Professor in the Department of Mechanical Engineering at SRMIST,Ramapuram. He Graduated his Bachelor's degree in Mechanical Engineering from Calicut University,Kerala, India. He secured his Master of Engineering in Production Engineering from Annamalai University, Chidambaram, India. He Pursued Ph.D. in the field of Welding, Manufacturing Engineering from VIT University, Vellore, India. He is in teaching profession for more than 25 years. He has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Welding, Manufacturing Engineering.

Selected Publications:

1. Mathivanan A, Devakuaran K & Senthil kumar A, Comparative study on mechanical and metallurgical properties of AA6061 aluminum alloy sheet weld by pulsed current and dual pulse gas metal arc welding processes , Materials and Manufacturing Processes (Taylor &Francis), Vol 29. Pp 941 - 947 , 2014
2. Mathivanan A,Senthil kumar A & Devakuaran K, Pulsed current and dual pulse gas metal arc welding of grade AISI: 310S austenitic stainless steel , Defence Technology (Elsevier), Vol 11, pp 269 – 274,2015
3. Swaminathan, G., Kumar, S.D., Mathivanan, A., Udaiyakumar, K.C., Vijayaragavan, Design and development of multi drop auto-walk E.IOP Conference Series: Materials Science and Engineering, 2018, 402(1), 012153

4. Uthirapathy, C. Swaminathan, G. Mathivanan, A. Manikandan, G. Madhesh, D., Experimental investigation of solar steam generator using nanocoating, *Materials Today: Proceedings*, 2020, 33, pp. 428–434 8(24),
5. Natarajan, V. Akilan, K. Krishna, B.A. Mathivanan, A. Dharmambal, V. A novel float to boost turbine efficiency using hybrid energy sources *AIP Conference Proceedings*, 2020, 2311, 090024
6. Swaminathan, G. Kumar, S.D., Sathiyamurthy, S., Mathivanan, A. Influence of process variables on fracture behaviours of AA7075/AA6101 friction stir welded joints, *International Journal of Microstructure and Materials Properties*, 2020, 15(3), pp. 196 - 214
7. A. Mathivanan, M.P. Sudeshkumar, R. Ramadoss, Chakaravarthy Ezilarasan, Ganesamoorthy Raju and V. Jayaseelan, Finite element simulation and regression modeling of machining attributes on turning AISI 304 stainless steel, *Manufacturing Rev.*, 8 (2021) 24
8. Mathivanan, A., Swaminathan, G., Sivaprakasam, P. Jayaseelan, V., Nagaraj, M. DEFORM 3D Simulations and Taguchi Analysis in Dry Turning of 35CND16 Steel, *Advances in Materials Science and Engineering*, 2022, 2022, 7765343

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.

Professional Bodies:

Member – IAENG

Google Scholar:

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

