


Faculty Profile

Name :	Dr. Umar M							
Date of Birth :	27-04-1987							
Highest Qualification :	Ph.D							
Date of Joining :	14-03-2022							
Designation :	Assistant Professor							
Date of promotion (Present Designation) :	Assistant Professor							
Area of Interest :	Welding, Material Science							
Mobile No :	+91 9488386821			Email ID :	umar.m@trp.srmtrichy.edu.in			
Experience :	Teaching :	05	Industry :	03	Research :	04		
Address (for Communication) :	6/123, Muslim Street, South Eachampatti, Mannachanallur Taluk							
	Trichy-621005							

Association with Professional Bodies

Name (Professional Body)				
Type of Membership				

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	4120058	University :	Anna University	No. of Scholars :	-
Publication*					
International Journals :	11	National Journals :	01		
International Conference :	03	National Conference :	01		
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount) :		Applied (Amount) :	Rs. 27,68,000/-		
Patent					
Published :		Granted :			

Books

Published :	
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	05	Attended :	-	Attended :	03	Attended :	12	Attended :	-
Organized :	-	Organized :	-	Organized :	-	Organized :	04	Organized :	-

Online courses (NPTEL, MOOC etc.)	01
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***List of Publications : International**

1. Umar M and P. Sathiya (2019) Influence of melting current pulse duration on microstructural features and mechanical properties of AA5083 alloy weldments. *Materials Science and Engineering A*, 746, 167-178. (SCI journal, Impact Factor: 6.4)
2. Umar M and P. Sathiya (2018) Effect of pulse duration on corrosion and impression creep properties of AA5083-H111 Al-Mg alloy weldments processed by P-GTAW. *Advanced Engineering Materials*, 1701147, 1-10. (SCI journal, Impact Factor: 4.122)
3. Umar M and P. Sathiya (2021) Thermography Analysis and Porosity Formation during Laser Beam Welding of AA5083-H111 Aluminum Alloy. *Journal of Thermal Analysis and Calorimetr*, 146, 1551-1559. (SCI journal, Impact Factor: 4.4).
4. Poonguzhali V, Umar M and Sathiya P (2019) Corrosion and creep properties of weld beads produced on AA5083- H111 alloy sheets using SpinArc GMAW process. *Metals and Materials International*, 26,115-129. (SCI journal, Impact Factor: 3.5)
5. Umar M, M. Chandra and P. Sathiya (2018) Influence of filler wire diameter on mechanical and corrosion properties of AA5083-H111 Al-Mg alloy sheets welded using an AC square wave GTAW process. *Transaction of the Indian Institute of Metals*, 71, 1975-1983. (SCI journal, Impact Factor: 1.6)
6. Poonguzhali V, Deepan Bharathi Kannan T, Umar M and Sathiya P (2020) Application of ANN modelling and GA optimization for improved creep and corrosion properties of Spin-Arc Welded AA5083-H111 alloy. *Russian Journal of Non-ferrous Metal Society*, 61(2), 188-198. (SCI journal, Impact Factor: 0.8)
7. Mustafa Umar, M. Mohammed Asif, Paulraj Sathiya (2022) Creep and Corrosion Characteristics of Laser Welded AA5083 Al-Mg alloy. *Lasers in Manufacturing and Materials Processing*. 9:257–276.
8. S. Suryaprakash, S. Vishal, M. Sethu Raman, S. Rajendra Kumar, M. Umar, and T. Deepan Bharathi Kannan (2021) Optimization of Welding Parameters in CMT Welding of Al 5083. *Advances in Materials Research* https://doi.org/10.1007/978-981-15-8319-3_66.
9. T. Deepan Bharathi Kannan, B. Suresh Kumar, G. Rajesh Kannan, M. Umar, and Mohammad Chand Khan, (2019) Application of Genetic Algorithm Technique for Machining Parameters Optimization in Drilling of Stainless Steel. *Mechanics and Mechanical Engineering* 23:271-276.
10. T. Deepan Barathi Kannan, G. Rajesh Kannan, M. Umar and S. Ashok Kumar, (2015) ANN Approach for Modelling Parameters in Drilling Operation. *Indian Journal of Science and Technology*, Vol 8(22), IPL0253.
11. Umar M, T. Deepan Bharathi Kannan, Rajesh Kannan and Murali K, (2014) Investigation of mechanical properties of welded SS347H austenitic stainless-steel tube by using P-GMAW. *Int. Journal of Applied Sciences and Engineering Research*, Vol. 3, Issue 6.