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List of publications from this work

Journal Publications:

1. **Kumar, Adarsh**, Mithlesh Kumar Mahto, Vikram Singh Rana, Meghanshu Vashista, and Mohd Zaheer Khan Yusufzai. "Investigation of microstructure evolution and mechanical properties of gas tungsten arc welded dissimilar titanium (CP-Ti/Ti-6Al-4V) alloys." Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering 237, no. 5 (2023): 1819-1831.
2. **Kumar, Adarsh**, Nilesh Kumar, Mithlesh Kumar Mahto, Surya D. Yadav, Meghanshu Vashista, and Mohd Zaheer Khan Yusufzai. "Impression creep behaviour of different zones of pulsed gas tungsten arc welded Ti-6Al-4V alloy." Materials Today Communications 36 (2023): 106722.
3. **Kumar, Adarsh**, Mithlesh Kumar Mahto, Meghanshu Vashista, and Mohd Zaheer Khan Yusufzai. "Study of the influence of current pulsating during gas tungsten arc welding of Ti-6Al-4V alloy." Metallurgy and Heat Treatment of Metals 3 (2024): 60-65.
4. **Kumar, Adarsh**, Mithlesh Kumar Mahto, Meghanshu Vashista, and Mohd Zaheer Khan Yusufzai. "Analysis of Electrode Tip Angle Variation on Weld Geometry, Distortion, and Hardness in Commercially Pure Titanium Welded Using Pulsed-Gas Tungsten Arc Welding." Journal of Materials Engineering and Performance (2024): 1-11.

Conferences

1. Presented poster titled "Development of shielding set-up for gas tungsten arc welding of titanium alloys without using external shielding" at 4 days 76th Annual technical meeting (ATM-IIM 22) held on 13-16 Nov'22 Hyderabad-Telangana.
2. Oral presentation on title "Effect of electrode tip angles on weld characteristics of pulse-gas tungsten arc welded commercially pure titanium (CP-Ti)" at 2 days National Welding Meet (NWM) Kochi held on 14-15 Oct'22 Kochi-Kerala.
3. Oral presentation on title "Improvement in the microstructural and mechanical properties of dissimilar titanium (CP-Ti/Ti-6Al-4V) alloys welded using pulse-gas tungsten arc welding" at 3 Days International Conference on Precision, Micro, Meso, and Nano Engineering (COPEN-12) held on 8 - 10 Dec'22 IIT-Kanpur.