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Area of Specialization	Friction welding, Machining of Composites

List of Publication (Last 5 years):

1. **D. Ananthapadmanaban**, K. Geethan Fracture Behavior of Solid-State Welded Joints
DOI: 10.5772/intechopen. Intechopen open access books 90908 January 2020
2. E. Ravikumar, N. Arunkumar, **D. Ananthapadmanaban**, V. Prabhakaran Corrosion Studies on Friction–Welded Aluminium Alloy AA6061-T6 to Copper with Nickel Interlayer, DOI:10.1007/978-981-13-1780-4_28 Advances in Materials and Metallurgy 2019
3. **D. Ananthapadmanaban**, Mechanisms of friction and their correlation to bond strength of friction welded Ti-6Al-4V similar welds, Low Carbon steel-Stainless steel and Aluminium-Copper dissimilar welds. International Journal of Innovations in Engineering and Technology, Volume 9, Issue 3, February, 2018
4. E. Ravikumar, N. Arunkumar, **D. Ananthapadmanaban**, Corrosion studies on friction welded Aluminium 6061 and Copper with Nickel interlayer, Volume 24, No 12, December 2016 Trans Sylvania Reviews, pp 3340-3353
5. R. Satish, V. Seshagiri Rao, **D. Ananthapadmanaban**, Tensile Strength and hardness correlations with Microscopy of friction welded Aluminium to Copper, Journal of Institution of Engineers, by Institute of Engineers Journal, Series C, January 2016, Volume 97, Issue 1, pp 121–126
6. M. Selvaraj, **D. Ananthapadmanaban**, M. Nalla Mohamed, Effect and contribution of weld parameters on peak temperature during friction stir welding, Applied Mechanics and Materials, Volume 852, pp 267-272., October 2016
7. M. Nalla Mohammed, **D. Ananthapadmanaban**, M. Selvaraj, Numerical modeling of energy absorption behavior of Aluminium foam cored sandwich panels with different fibre reinforced polymer composite facesheet skins, Applied Mechanics and Materials, Volume 852, pp 66-71., October 2016
8. Srimurugan, R., Vijay Ramnath, **D. Ananthapadmanaban**, Ramanan, Glass Fibre reinforced polycarbonate for Automobile Chassis application, Journal of Chemical and Pharmaceutical Sciences, pp 22-26, Special issue, 2017.
9. **D. Ananthapadmanaban**, Mechanisms of friction and their correlation to bond strength of friction welded Ti-6Al-4V similar welds, Low Carbon steel-Stainless steel and Aluminium-Copper dissimilar welds. International Journal of Innovations in Engineering and Technology, Volume 9, Issue 3, February, 2018