Dr.E.Shankar

List of publications for Last 5Years

1.C Devanathan, E Shankar, A Sivanand, B Haribabu, Processing and Testing of Aluminum based Hybrid Surface Composites by Friction Stir Processing, IOP Conference Series: Materials Science and Engineering 923 (1), 012022 (2020).

2.C Devanathan, S Boopathi, R Giri, E Shankar, A Sivanand , Development of AA 5083 based hybrid surface composites via friction stir processing, Materials Today: Proceedings (2020)

3.C Devanathan, AS Babu, E Shankar, Friction Stir Welding of Aluminum alloys using Coated and Non Coated Tool, Materials Today: Proceedings 16, 889-896 (2019).

4.G Ramya, M Chandrasekaran, E Shankar, Case Study Analysis of Job Shop Scheduling and its Integration with Material Requirement Planning, Materials Today: Proceedings 16, 1034-1042 (2019).

5. TS Kumar, AV Jebaraj, E Shankar, N Tamiloli, K Sivakumar, Metallurgical and mechanical characterization of TiCN/TiAlN and TiAlN/TiCN bilayer nitride coatings Surfaces and Interfaces 15, 256-264 (2019).

6. E Shankar, SB Prabu, KA Padmanabhan, Mechanical properties and microstructures of TiCN/nano-TiB2/TiN cermets prepared by spark plasma sintering Ceramics International 44 (8), 9384-9394 (2018).

7. E Shankar, S Balasivanandha Prabu, TS Kumar, MRS John, Investigation of TiAlN coated roller burnishing on Al-(B4C)p MMC workpiece material Materials and Manufacturing Processes 33 (11), 1242-1249 (2018).

8.E Shankar, SB Prabu, KA Padmanabhan, Effect of nano-TiB2 addition on the microstructure, mechanical properties and machining performance of TiCN cermet Journal of the Australian Ceramic Society 54 (3), 565-574 (2018).

9. T Sampath Kumar, A Vinoth Jebaraj, K Sivakumar, E Shankar, N Tamiloli, Characterization of ticn coating synthesized by the plasma enhanced physical vapour deposition process on a cemented carbide tool, Surface Review and Letters 25 (08), 1950028 (2018)

10.Dr.E.Shankar, Mr.SB Prabu, Microstructure and mechanical properties of Ti (C, N) based cermets reinforced with different ceramic particles processed by spark plasma sintering, Ceramics International 43, 10817–10823 (2017).

11.E Shankar, MRS John, C Devanathan, G Ramya, Burnishing of Al (SiC) p metal matrix composites using TiAlN coated roller, Journal of Mechanical Science and Technology 31 (7), 3475-3479 (2017).

12.E Shankar, SB Prabu, Influence of WC and cobalt additions on the microstructural and mechanical properties of TiCN-Cr3C2-nano-TiB2 cermets fabricated by spark plasma sintering, International Journal of Refractory Metals & Hard Materials 69, 110–118 (2017).

13.A Sivanand, C Devanathan, E Shankar, P PrasannaKumar, Wear Analysis of Epoxy Resin Composites Reinforced with Seashell, Advances in Materials and Manufacturing Engineering, 133-141

14.C Devanathan, E Shankar, A Sivanand, R Manimaran, A Gopinath, Design and Development of Seed Metering Device Implemented in Power Tiller, Advances in Materials and Manufacturing Engineering, 93-98

15.E Shankar, TS Kumar, MRS John, C Devanathan, Optimization of Roller Burnishing Parameters of Al (SiC) p Metal Matrix Composite with TiAlN-Coated Roller Using Response Surface Methodology , Advances in Materials and Manufacturing Engineering, 213-219

16.C Devanathan, E Shankar, A Sivanand, AE Paul, Effect of Spindle speed and Welding speed on Mechanical Properties of Friction stir welding of AA 6063 with AA 7075