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1. Microstructure, cold workability and strain hardening behavior of trimodaled AA 6061 nanocomposites reinforced with multi-walled carbon nanotubes. Advanced Powder Technology. **27 (4)**, 1845-1851. **IF-4.217**
2. VaraprasadKavity, **D.Jeyasimman**, Gururaj, Manoj Gupta, R.Narayanasamy (2018) Investigations on Dry sliding wear behavior of Mg/BN nanocomposites. Journal of Magnesium and alloys. 6, 263-276.**IF-7.115**
3. N.Ramasamy, **D.Jeyasimman**,R.Kathravan, N.Raju. (2019) Influence of Welding sequences on Residual Stresses induced in-as Welded plug of Low-Carbon Steel Plate. Trans Indian Inst Metals 72(5), 1361-1369. **IF-1.205**
4. VaraprasadKavity, **D.Jeyasimman**, Gururaj, Manoj Gupta, R.Narayanasamy and Praveennath G Goppad(2019) Improving the friction and wear Characteristics of AZ31 alloy with addition of Al<sub>2</sub>O<sub>3</sub> nanoparticles. Materials Research Express. 6, 12. **IF-1.449**
5. N.Ramasamy, **D.Jeyasimman**,N.Raju. (2020) Effect of Intermetallic Compounds and Inclusions in Normalizing Rolled C–Mn Steel Plate Butt Joint Failure. Transactions of the Indian Institute of Metals volume 73, pages2333–2343. **IF-1.205**
6. S Saravanan, M Saravanan, **D Jeyasimman** (2018) Study on Effects of Spring back on Sheet Metal Bending Using Simulation Methods. International Journal of Mechanical and Production Engineering Research and Development. Vol.8, Issue 02, Apr.2018. **IF-0.413**
7. S Saravanan, M Saravanan, **D Jeyasimman**, M Vairavel (2018) Review-Methods and measurements of Spring back Evaluation. International Journal of Mechanical Engineering and Technology. Vol.9, Issue 05, May.2018. pp 1079-1090. **IF-0.290**
8. S. Saravanan, M. Saravanan, **D. Jeyasimman** (2019) Experimental Prediction and Investigation of Spring Back In U Bending Profile Process Using RSM and ANOVA. International Journal of Mechanical and Production Engineering Research and Development. Vol.9, Special Issue 02, June 2019, 760-762. **IF-0.413**
9. S. Saravanan, M. Saravanan, **D. Jeyasimman** (2019) Study of Spring Back Effects on U-Bending Profile Process in Common Metal.International Journal of Mechanical and

Production Engineering Research and Development. Vol.9, Special Issue 02, June 2019, 752-759.

**IF-0.413**

10. **D. Jeyasimman**, V. Senthilkumar, R. Narayanasamy (2019) Hot Deformation Response of Al 6061-MWCNTs Alloy Composites. International Journal of Innovative Technology and Exploring Engineering. Vol.8, Issue 12, Oct.2019, 27-32. **IF-0.102**
11. I.KarthicSubramaniyan, P.K. Srividhya, **D. Jeyasimman** (2019) Effect of Feeding Technique in Mechanical Behaviour of Sic/Tio2 Reinforced AA 6082 Composites. International Journal of Recent Technology and Engineering. Vol.8, Issue 03, Sep.2019, 8233-8236. **IF-0.107**
12. **Jeyasimman, D.**, R.Narayanasamy, Ujendra Kumar Komal, (2016) Effects of a coarse grain matrix phase in AA 6061-TiC nanocomposites on microstructure, cold workability and strain hardening behaviour. International Journal of Advanced Engineering and Technology. Vol.5, Issue 01, Jan.2016.
13. **D. Jeyasimman**, K.Gurunathan and R.Narayanasamy (2016) Drysliding wear behavior of AA 6061-MWCNTs nanocomposites prepared by Mechanical Alloying. IOSR Journal of Mechanical and Civil Engineering. Vol.13, Issue 04, Aug.2016. 46-53.
14. R Thiagarajan, **D. Jeyasimman** (2017) Design of Snap Fit for plastic press button and Mold Engineering. International Journal of Trend in Research and Development. Vol.4, Issue 02, Apr.2017.804-809.
15. C.V.Govindan, **D.Jeyasimman**, M.Ganesh, R.Narayanasamy (2019) Defect Inspection Based on Segmentation and Defective Tracking in Radiographic Image. International Journal of Recent Technology Research. Vol. 8, Issue 4, November 2019. 11228-11236
16. N. Ramasamy, **D. Jeyasimman** (2020) Performance Analysis of Chromium Carbide Overlay in Coal Nozzle Tip for Utility Boilers. International Journal of Innovative Technology and Exploring Engineering. Vol.9, Issue 3, January 2020. 2122-2127.
17. S.Saravanan, M.Saravanan, **D. Jeyasimman**, S.Vithya and M.Vairavel (2020) Experimental Prediction and investigation of spring back in U bending profile process modeling Using Artificial Neural Network. International Journal of Innovative Technology and Exploring Engineering. Vol.9, Issue 5, March 2020. 110-115.
18. S.Saravanan, M.Saravanan, **D. Jeyasimman**, S.Vithya and M.Vairavel (2020) Art of single-step analytical analysis for spring back-formation in U bending forming process International Journal of Innovative Technology and Exploring Engineering. Vol. 9, Issue 5, March 2020.116-122.

19. R.Suresh, A. AhamedJasim, O. R. AmalNagdev, B. Binny Sabin, V. Nagaraj, **D. Jeyasimman** (2020) Design and Analysis of Remotely Amphibious Drone. International Journal of Innovative Technology and Exploring Engineering. Vol.9, Issue 5, March 2020. 284-287.
20. R Udhayasankar, **D Jeyasimman**, D Sudhakar. Optimization of microstructure and mechanical behavior of Aluminum metal matrix composites produced by stir casting subjected to friction stir processing. Indian Journal of Scientific Research. May.2017. Vol.14, Issue 1, pp 223-227.
21. **D Jeyasimman**, V Govindhan. Frequency domain based automatic spot welding defect detection. Indian Journal of Scientific Research. May.2017. Vol.14, Issue 1, pp 378-383.
22. Syed BavaBakrudeen, **D Jeyasimman**. Contemplation of Microstructure deflection of butterfly valve disc using aluminium (1100) and Al-SiC15% composite material. Indian Journal of Scientific Research. May.2017. Vol.14, Issue 1, pp 152-158.