

Publications:

Elsevier Journals-7

Total Cumulative Impact Factor- 36.486

1. **Jeyasimman, D.**, S.Sivasankaran, K.Sivaprasad, R.Narayanasamy and R.S.Kambali (2014) An investigation of synthesis, consolidation and mechanical behaviour of Al 6061 nanocomposites reinforced by TiC via mechanical alloying, *Materials & Design* **57**, 394-404.
IF- 6.289
2. **Jeyasimman, D.**, K.Sivaprasad, S.Sivasankaran and R.Narayanasamy (2014) Fabrication and consolidation behavior of Al 6061 nanocomposite powders reinforced by multi-walled carbon nanotubes, *Powder Technology*, **258**, 189-97.
IF- 4.142
3. **Jeyasimman, D.**, R.Narayanasamy, R.Ponalagusamy, V.Anandakrishnan and M.Kamaraj (2014) The effects of various reinforcements on dry sliding wear behaviour of AA 6061 nanocomposites. *Materials & Design*, **64**, 783-793. **IF- 6.289**
4. **Jeyasimman, D.**, K.Sivaprasad, S.Sivasankaran, R.Ponalagusamy, R.Narayanasamy and Vijay Kumar Iyer (2015) Microstructural observation, consolidation and mechanical behavior of AA 6061 nanocomposites reinforced by gamma-Al₂O₃ nanoparticles. *Advanced Powder Technology*, **26**, 139-148. **IF-4.217**
5. **Jeyasimman, D.**, R.Narayanasamy and R.Ponalagusamy (2015) Role of hybrid reinforcement on microstructural observation, characterization and consolidation behavior of AA 6061 nanocomposites. *Advanced Powder Technology*. **26 (4)**, 1171-1182.
IF-4.217
6. **D.Jeyasimman** and R.Narayanasamy (2015) Effect of coarse grain content on 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
7. Varaprasad Kavity, **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

Web of Science Journals -3 3.859

Total Cumulative Impact Factor

8. 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

9. Varaprasad Kavity, **D.Jeyasimman**, Gururaj, Manoj Gupta, R.Narayanasamy and Praveennath G Goppad(2019) Improving the friction and wear Characteristics of AZ31 alloy with addition of Al₂O₃ nanoparticles. Materials Research Express. 6, 12.
IF-1.449
10. 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

Other Scopus Journals-6

Total Cumulative Impact Factor -1.325

11. 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
12. 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
13. 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
14. 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
15. **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
16. I.Karthic Subramaniyan, 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

Other International Journals

17. D.Sudhakar, **D.Jeyasimman**, Duraiselvam (2015) Dry sliding wear of behavior of Cr_3C_2 -NiCr coating on austenitic stainless steel. International Journal of Core Engg & Management, **1 (12)**, 2015, 215-225.
18. I.Karthic Subramanian, **D.Jeyasimman**, A. Manivannan and J.Kesavan (2015) Optimization of surface roughness parameters for EN 8 steel by tungsten carbide tool in turning operation. International Journal of Advanced Engineering and Technology. **4 (06)**, 776-781.
19. D.Sudhakar, **D.Jeyasimman**, M.Duraiselvam, R.Thiyagarajan (2015) An investigation of dry sliding wear behavior of hybrid ($\text{Al}_2\text{O}_3 + \text{TiO}_2$) coating on austenitic stainless steel. International Journal of Advanced Research in Biology, Ecology, Science and Technology. **1 (03)**, 24-28.
20. A.Mohammed Ismail, **D.Jeyasimman**, A.manivannan (2015) An investigation of heat affected zone in tailor welded AA 5052 and AA 6061 alloy blank materials. International Journal of Innovative Science, Engineering and Technology, 2 (8), 158-162.
21. **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.
22. **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.
23. R Thiyagarajan, **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.
24. 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
25. 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.
26. 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.

27. 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.
28. R.Suresh, A. Ahamed Jasim, O. R. Amal Nagdev, 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.

National Journals

29. 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.
30. **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.
31. Syed Bava Bakrudeen, **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.

International Conferences-6

1. **Jeyasimman D (2020)** Participated in the International Conference on “Combating Climate Change, Saving Lives and Sustainable Development” held on January 23rd & 24th 2020 organized by Periyar Maniammai Institute of Science and Technology, Thanjavur.
2. **Jeyasimman D (2019)** Participated and Presented in the International Conference on “Trends in Emerging Energy Technologies” held on March 12th & 13th 2019 organized by Periyar Maniammai Institute of Science and Technology, Thanjavur.
3. **Jeyasimman, D., K.Gurunathan, D.Sudhakar, R.Narayanasamy. (2015)** Dry sliding wear behaviour of multi-walled carbon nanotubes reinforced AA 6061 nanocomposites prepared by mechanical alloying. International conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (**ICNPM 2015**) conducted by Mahatma Gandhi University, Kottayam, 13-15 November 2015.
4. C.Sinthani Selvan, **D.Jeyasimman**, C. Thenmozhi. **(2015)** Microwave synthesis and sintering of pure metals, ceramics and metal matrix composites- a Review. International

Conference on Advances in Materials, Manufacturing and Applications (**AMMA-2015**) conducted by National Institute of Technology, Tiruchirappalli. April 9-11, 2015.

National Conferences-4

1. Varaprasad Kavity, **D.Jeyasimman**, R.Narayanasamy. (**2018**) “Imperative Ideas in Engineering and science for a Paradigm shift” at Gopalan college of Engineering and Management, Karnataka on 17th August 2018.
2. **Jeyasimman D (2016)** participated in Two Days National Conference on “Bio-Energy for Sustainable Development” held on February 12th & 13th 2016 organized by Periyar Maniammai Institute of Science and Technology, Thanjavur.
3. D.Sudhakar, **D.Jeyasimman**, P.Pandiyaraj (**2015**) Tribological behavior of Cr₃C₂-NiCr coating on austenitic stainless steel. National conference on “Energy and Manufacturing Scenario-2015” (**NCEMS’15**) conducted by Kings College of Engineering, March 14, 2015.