

***Dr.R.Ganesh***

***Research Publications – Journals & Conferences***

**Journals - 12 (WoS/SCI/Scopus, AICTE, UGC approved)**

**Conferences – 22 International & 16 National**

- 1 **Ganesh, R**, Chandrasekaran K, Mohammed Ameen & Raja Pavan Kumar 2014, 'Optimization of process parameters in dry sliding wear of Al 2219- SiCp composite using Taguchi based Grey relational analysis', Materials and Technology (**WoS-Thomson Reuters**), vol. 48(3), pp. 361-366.
- 2 **Ganesh, R** & Chandrasekaran, K 2014, 'Optimization in dry sliding wear test of Al 2219-SiCp composite using Taguchi based Grey relational analysis', Applied Mechanics and Materials (**Scopus**), vol. 446-7, pp. 296-300.
- 3 **Ganesh, R** & Chandrasekaran, K, Neshan D K S & Rajendra Prasad K 2014, 'Modeling and optimization of the wear performance of aluminium metal matrix composite using Response Surface Methodology', Applied Mechanics and Materials (**Scopus**), vol. 592-4, pp. 1336-1340.
- 4 **Ganesh, R** & Chandrasekaran, K 2014, 'Influence of precipitation temperature on thrust force and torque in drilling of Al 2219-SiCp composite', Materials and Technology (**WoS-Thomson Reuters**), vol. 48(4), pp. 563-569.
- 5 **Ganesh, R** & Chandrasekaran, K, Azhakesh M S & Balachandran C 2012, 'Effect of solutionising time on mechanical properties of squeeze casted Al 6082-SiCp composite', International Journal of Mechanical and Industrial Engineering, vol 2 (3), pp. 35-40.
- 6 **Ganesh, R**, Satyaprakash, R, Prakash, M & Chandrasekaran, K 2015, 'A study on machinability performance of silicon carbide particulate reinforced metal matrix composite', Applied mechanics and materials (**Scopus**) vol. 766, pp. 229-233.
- 7 **Ganesh, R**, Satyaprakash, R, Saranesh Kumar, J & Chandrasekaran, K 2015, 'Investigation on physical, mechanical and wear properties of SiC particulate reinforced aluminium metal matrix composite', Applied mechanics and materials (**Scopus**) vol. 787, pp. 588-592.
- 8 **Ganesh, R**, Ram Subbiah & Chandrasekaran, K 2015, 'Dry sliding wear behavior of powder metallurgy aluminium matrix composite', Materials today: Proceedings (**Scopus**), Elsevier, vol 2. pp 1441-1449.
- 9 **Ganesh, R**, Vignesh, R, Tamilarasan, S & Chandrasekaran, K 2016, 'Application of Artificial Neural Network (ANN) for predicting the wear behaviour of Al 2219-SiCp composite', Applied mechanics and materials (**Scopus**) vol. 852, pp. 397-401.

- 10 **Ganesh R**, Anirudh, P V & Anujan Kumar, S 2019, 'Mechanical behavior of nanoparticulate TiO<sub>2</sub> reinforced magnesium matrix composite', IOP Conf. Series: Material Science and Engineering (**Scopus**) vol. 574, pp 1-12.
- 11 Elumalai, P, C & **Ganesh, R** 2020, 'Synthesis and characterization of magnesium matrix composite reinforced with titanium dioxide nano particulates', Materials Research Express, IOP Publishing Ltd. (**WoS-SCI**) vol.7 015093.
- 12 Elumalai, P, C, **Ganesh, R** & Shankar, E 2020, 'Investigation into physical and mechanical behavior of nanoparticulate titanium dioxide reinforced magnesium composite', Materials Technology: Advanced Performance materials, Taylor & Francis. (**Wos- SCI**) DOI: 10.1080/10667857.2020.1782050
- 13 **Ganesh, R** & Hariharan, P 2009, 'Preparation, characterization and mechanical properties of aluminium matrix nanocomposites', presented in Sixth International Conference on Precision, Meso, Micro and Nano Engineering at Coimbatore, December 11th to 12th 2009
- 14 **Ganesh, R** 2009, 'Synthesis, Characterization, Mechanical properties of Aluminium matrix nanocomposites', presented in International Conference India-Japan Conference on Advances in Materials Processing at Annamalai University, India, September 30th to 2nd October 2009
- 15 **Ganesh, R** 2009, 'Preparation of nanocrystalline Al –Al<sub>2</sub>O<sub>3</sub> composites by ball milling', presented in International Conference on Emerging Research and Advances in Mechanical Engineering (ERA 2009) at Chennai, 19th to 21st March 2009
- 16 **Ganesh, R** & Chandrasekaran, K, Azhakesh M S & Balachandran C 2012, 'Effect of solutionising time on mechanical properties of squeeze casted Al 6082-SiCp composite', International conference on Mechanical and Industrial Engineering (ICMIE 2012 ) at Goa, India, 8th April 2012
- 17 **Ganesh, R** & Chandrasekaran, K 2014, 'Optimization in dry sliding wear test of Al 2219-SiCp composite using Taguchi based Grey relational analysis', presented in International Conference in Manufacturing and Optimization (ICMO 2013) at New Delhi, September 16th to 17th 2013
- 18 **Ganesh, R** & Chandrasekaran, K 2013, 'Taguchi's optimization of process parameters in dry sliding wear of SiCpreinforced aluminium metal matrix composite', presented in 4th Nirma University International Conference on Engineering, Ahmedabad, 28th to 30th Nov' 2013
- 19 **Ganesh, R** & Chandrasekaran, K 2013, 'Wear behavior of silicon carbide particulate reinforced aluminium matrix composite', presented in 4th Nirma University International Conference on Engineering, Ahmedabad, 28th to 30th Nov' 2013

- 20 Mohammed Ameen, **Ganesh R** & Chandrasekaran K 2013, 'Optimization of process parameters in dry sliding wear of Al- SiCp composite fabricated through powder metallurgy technique', presented in International Conference on emerging trends in Science, Engineering, Business and Disaster management (ICBDM 2013) at Noorul Islam University, Kanyakumari, India, 8th to 9th March 2013
- 21 **Ganesh, R** & Chandrasekaran, K, Neshan D K S & Rajendra Prasad K 2014, 'Modeling and optimization of the wear performance of aluminium metal matrix composite using Response Surface Methodology', presented in International Mechanical Engineering Congress (IMEC 2014) at National Institute of technology, Tiruchirapalli, 13th to 15th June, 2014
- 22 **Ganesh, R** & Chandrasekaran, K, Prasanth M & Kadirvel A 2014, 'Artificial Neural Network (ANN) for predicting the wear characteristics of Al 2219 – SiCp composite', presented in International Conference on Modeling, Optimization and Computing, at Noorul Islam University, 10th – 11th April 2014
- 23 **Ganesh, R**, Satyaprakash, R, Prakash, M & Chandrasekaran, K 2015, 'A study on machinability performance of silicon carbide particulate reinforced metal matrix composite', presented in International conference on advances in materials and manufacturing engineering (ICAMME 2014), Chennai 19th to 20th December 2014
- 24 **Ganesh, R**, Satyaprakash, R, Saranesh Kumar, J & Chandrasekaran, K 2015, 'Investigation on physical, mechanical and wear properties of SiC particulate reinforced aluminium metal matrix composite', presented in International conference on sustainable energy resources, materials and technologies, Chennai 8th to 9th January 2015
- 25 **Ganesh, R**, Ram Subbiah & Chandrasekaran, K 2015, 'Dry sliding wear behavior of powder metallurgy aluminium matrix composite', presented in International conference on materials processing and characterization (ICMPC 2016), Chennai 14th to 15th March 2015
- 26 **Ganesh, R**, Vignesh, R, Tamilarasan, S & Chandrasekaran, K 2016, 'Application of Artificial Neural Network (ANN) for predicting the wear behaviour of Al 2219-SiCp composite', presented in International conference on mechanical engineering design (ICMED 2016), Chennai 25th to 26<sup>th</sup> April 2016
- 27 **Ganesh, R**, Elumalai, P C, Sekar, S & Chandrasekaran, K 2016, 'Application of Response Surface Methodology (RSM) for thrust force and surface roughness in drilling Aluminium Matrix Composite', presented in International conference on Mechanical, Materials and Manufacturing Systems (ICMMMS 16), Chennai 27th to 28th January 2016
- 28 **Ganesh, R** 2018, 'Multiple Regression analysis using Response Surface Methodology (RSM) for drilling Al2219 – SiCp composite', presented in International conference on

Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES 2018), Tiruchirapalli 18th to 08th January 2018

29 **Ganesh, R,** & Elumalai, P C 2018, 'Mechanical behavior of aluminium matrix hybrid green composite with silicon carbide particulates and coconut shell ash', presented in International conference on Engineering materials, metallurgy and Manufacturing (ICEMMM 18), Chennai 15<sup>th</sup> to 16th February 2018

30 **Ganesh, R,** Ananth Selvakumar, Aravind V, Balaji R & Aravinth, K 2018, 'Study on Mechanical behavior of nano particulate reinforced magnesium matrix composite', presented in International conference on Innovative Design and Development Practices in Aerospace and Automotive Engineering (IDAD 2018), Chennai 22nd to 24th February 2018

31 **Ganesh, R,** & Elumalai, P C 2018, 'Numerical analysis to improve tool life in rotary swaging machine', presented in International conference on Automobile, Marine and Mechanical Engineering (ICAMME 2018), Chennai 4th to 5th May 2018

32 **Ganesh, R,** P V Anirudh & S Anujan Kumar 2019, 'Mechanical behavior of nano particulate TiO<sub>2</sub> reinforced magnesium matrix composite', presented in International conference on Materials Engineering and Characterization (ICMEC 2019), Chennai 8th to 10th May 2019

33 **Ganesh, R,** Elumalai, P C, Mounika, Y & Geetha, R 2019, 'Dry sliding wear behavior of magnesium matrix composite reinforced with nano TiN particulates', presented in International conference on Sustainable Development in Mechanical Engineering (MS 2019), NUS, Singapore 5th Nov 2019

34 **Ganesh, R,** Elumalai, P C, Mounika, Y, Geetha, R & Jawahar P, 2019, 'Dry sliding wear behavior of graphene oxide based polyamide nanocomposites', presented in International conference on Sustainable Development in Mechanical Engineering (MS 2019), NUS, Singapore 5th Nov 2019

35 **Ganesh, R** 2009, 'Synthesis and characterization of aluminium matrix nanocomposites' presented in National Conference on Recent Trends in Manufacturing Technology (RTMT-09) at College of Engineering, Anna University, March 6th to 7th 2009

36 **Ganesh, R** 2009, 'Preparation and estimation of mechanical properties of Al-10 wt% Al<sub>2</sub>O<sub>3</sub> nanocomposites', presented in National Conference on Modern Trends in Power Engineering and Power Plants at College of Engineering, Trivandrum, October 8th to 9th 2009

37 Sathish Kumar, S & **Ganesh, R** 2012, 'Characterization of Al metal matrix composites', presented in National Conference on Mechatronics and Mechanical Systems (NCMMS 2012) at Karpagam College of Engineering, Coimbatore, 14th March 2012

- 38 RaymonJeya Gibbs, J & **Ganesh, R** 2013, 'Study of mechanical properties of Al 2219-SiCp metal matrix composites fabricated by powder metallurgy', presented in National Conference on Fascinating Advancements in Mechanical Engineering (FAME 2013) at R.M.K College of Engineering and Technology, Chennai, 11th March 2013
- 39 **Ganesh,R** & Ganesh, R 2013, 'Effect of size and weight fraction of reinforcement on damping characteristics of Al 2219-SiCp metal matrix composites', presented in National Conference on Fascinating Advancements in Mechanical Engineering (FAME 2013) at R.M.K College of Engineering and Technology, Chennai, 11th March 2013
- 40 **Ganesh, R** & Maridurai, T 2016, 'Influence of heat treatment on characterization of powder metallurgically fabricated Al-SiCp composite', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS 2016) at Velammal Engineering College, Chennai, 18th March 2016
- 41 **Ganesh, R** & Maridurai, T 2016, 'Optimization of process parameters in wear performance of aluminium matrix composite using Taguchi's method', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS 2016) at Velammal Engineering College, Chennai, 18th March 2016
- 42 **Ganesh, R**, Elumalai, P C, Deepika, V & Divya, A 2016, 'Fabricating and evaluating the mechanical properties of Al 6061-SiC-Alumina MMC', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS 2016) at Velammal Engineering College, Chennai, 18th March 2016
- 43 **Ganesh, R**, Hariprakash, S R, Sivabalan, S, Leelasathish, K & Sekar, S 2016, 'An experimental study on metal matrix composite', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS 2016) at Velammal Engineering College, Chennai, 18th March 2016
- 44 **Ganesh, R** 2017, 'Modeling and optimization of machining parameters during drilling Al 2219 – SiCp composite', presented in National conference on Recent Innovations in Mechanical Engineering (RIME 2017) at RMK Engineering College, Chennai, 15th May 2017
- 45 **Ganesh, R** 2017, 'Modeling the dry sliding wear performance of Al 2219 - SiCp composite', presented in National conference on Recent Innovations in Mechanical Engineering (RIME 2017) at RMK Engineering College, Chennai, 15th May 2017
- 46 Elumalai, P C & **Ganesh, R** 2018, 'Development and characterization of high performance light weight magnesium alloy based composite', presented in National symposium on Nano Science & Technology (NSNST 2018) at IISc, Bangalore, 20-22 June 2018
- 47 Saravanan Mathialagan, **Ganesh Radhakrishnan** & Elumalai, P C 2019, 'Study of mechanical behavior of nano particulate reinforced magnesium matrix composite', presented in

National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS) at Velammal Engineering College, Chennai, 20 March 2019.

48 Anirudh, P V, Anujan Kumar, S, **Ganesh Radhakrishnan** & Elumalai, P C 2019, 'Study of mechanical behavior of Aluminium hybrid green composite', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS) at Velammal Engineering College, Chennai, 20 March 2019.

49 Sridhar, B, **Ganesh Radhakrishnan** & Elumalai, P C 2019, 'Fabrication of Al/SiC/Al<sub>2</sub>O<sub>3</sub> composite by stir casting', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS) at Velammal Engineering College, Chennai, 20 March 2019.

50 **Ganesh Radhakrishnan**, Elumalai, P C, Sridhar, M & Saravanan Mathialagan 2019, 'Optimization of process parameters of abrasive water jet machining in duplex stainless steel', presented in National conference on Emerging Research and Advances in Mechanical Sciences (ERAMS) at Velammal Engineering College, Chennai, 20 March 2019.