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Education

S.No	Course	Year	Institution/Board/ University	Remarks
1	Ph.D (Mechanical Engineering)	2009	Anna University, Chennai	Commented
2	M.E., (Production Engineering)	1999	Thiyagarajar College of Engineering. Madurai, Madurai Kamaraj University	First Class
3	B.E., (Mechanical Engineering)	1997	Thiyagarajar College of Engineering, Madurai Kamaraj University	First Class
4	DME	1987	Board of Technical Education, Chennai	First Class

Number of PhD produced : Anna university : 6 & On going : 1
PRIST University : 5
BHARATH University : 2

Areas of Interest

- Composites
- Machining science
- Material Science
- Optimization

Honorary post:

Anna University, Chennai

Academic Council member (Governor Nominee) : Period: 2012-2015
Board of Study Member/Mechanical Engineering : Period: 2016 to 2020

Reviewer for reputed International Journals

Doctoral committee member in Various Universities

Experience

SI No	Name of the Organization	Period of service		Designation
		From	To	
1	Arulmigu Kalasalingam Polytechnic college, Krishnankoil, Srivilliputtur-626 190	04 September 1987	12 July 1996	Lecturer, Department of Mechanical Engineering
2	Latha Mathavan Polytechnic college, Madurai	15 July 1996	30 November 1998	Head, Department of Mechanical Engineering
3	SACS MAVMM Engineering College, Madurai	23 August 1999	30 June 2004	Lecturer, Head i/c, Department of Mechanical Engineering
4	MIET Engineering College, Tiruchirappalli	29 July 2004	16 August 2005	Assistant Professor, Department of Mechanical Engineering
5	Sona College of Technology, Salem	17 August 2005	30 September 2009	Assistant Professor, Department of Mechanical Engineering
6	Sona College of Technology, Salem	01 October 2009	12 November 2009	Professor & Head, Department of Mechanical Engineering
7	MNSK College of Engineering, Pudukkottai	02 December 2009	08 September 2010	Principal
8	J.J College of Engineering and Technology, Tiruchirappalli	09 September 2010	30 May 2011	Professor & Head / Mechanical
9	Syed Ammal Engineering College	01 June 2011	08 December 2018	Principal
10	Karaikudi Institute of Technology & karaikudi Institute of Management	10 December 2018	29 June 2019	Principal
11	MNSK College of Engineering, Pudukkottai	01 July 2019	Till date	Principal

Award

Received “**Rastriya Vidya Saraswati Puraskar Award**” for Achievement and Remarkable Role in the field of Education, honored by the International Institute of Education and Management on 03/03/2010 at New Delhi.

Membership

Life member- Indian Society for Technical Education (ISTE)

Corporate member- Institution of Engineers India (IE)

Member- CSI

Anna University FDP organized : Anna University : 2

Publication of Books

Basic Engineering (Civil and Mechanical Engineering), Tri Sea Publishers.

Mechatronics, Anuradha Publications

Material Science, Maruthi Publications

Technical papers Published

1. Noorul haq. A and **Marimuthu P**, Optimization Of Cutting Parameters Of Drilling Al/SiCp Metal Matrix Composite Using Taguchi Technique, International Journal of Manufacturing Science & Technology, 2007, Vol. 9, No 2, pp 5-10.
2. Noorul haq, **P. Marimuthu** and R. Jeyapaul, Multi Response optimization of machining parameters of drilling Al / SiC Metal matrix composite using grey relational analysis in the Taguchi method, International Journal of Advanced Manufacturing Technology, 2008, Vol. 37, No 3-4, pp 250-255.
3. **P. Marimuthu** and K. Chandrasekaran, Experimental study on stainless steel for optimal setting of machining parameters using Taguchi and Neural Network, Journal of Engineering and Applied Sciences, 2011, Vol. 6, No. 10, pp 119-127.
4. **Perumal Marimuthu** and Kamaraj Chandrasekaran, Machinability study on stainless steel and optimum setting of cutting parameters in turning process using Taguchi design of experiments, International Journal of Materials and Product Technology, 2012, Vol. 43, Nos. 1/2/3/4, pp 122-133.
5. J. Bensam Raj, **P. Marimuthu**, M. Prabhakar and V. Anandakrishnan, Effect of sintering temperature and time intervals on workability behaviour of Al–

- SiC matrix P/M composite, *International Journal of Advanced Manufacturing Technology*, 2012, Vol. 61, pp 237–252.
- 6.S. Rajasekar, S. Tamilselvan, R. Jeyasekaran, M. Gulam Mohamed, **P.Marimuthu**, I.Vetha Potheher and M. Vimalan, Synthesis and electrical properties of $PbSxO_{1-x}$ Nanocomposites, *International Journal of Nanocomposite Materials*, 2012, Vol. 50, pp 10624-10627.
 - 7.Kamaraj Chandrasekaran, **Perumal Marimuthu**, K Raja, Computer Numerical Control Turning on AISI410 with Single and Nano Multilayered Coated Carbide Tools under Dry Conditions, *Journal of Engineering and Technology*, 2012, Vol. 2, Issue. 2, pp 75-81.
 - 8.Kannan, T. T. M and **Marimuthu, P**, Design and Development of Nonautomatic Tabletop Mini Lathe, *Emerging Trends in Science, Engineering and Technology, Lecture Notes in Mechanical Engineering* (2012): 157-164 , January 01, 2012, *Proceedings of International Conference, INCOSSET 2012*, DOI:10.1007/978-81-322-1007-8_14, Publisher: Springer India.
 - 9.Chandrasekaran Kamaraj, **Marimuthu, P**, Raja, K, Machining Performance of $TiCN/Al_2O_3$ Multilayer and B-TiC Nano Multilayer Coated Inserts on Martensitic Stainless Steel in CNC Turning, *Emerging Trends in Science, Engineering and Technology, Emerging Trends in Science, Engineering and Technology, Lecture Notes in Mechanical Engineering, Proceedings of International Conference INCOSSET 2012* (2012): 261-271, January 01, 2012, *Publisher: Springer India*.
 10. K. Chandrasekaran, **P. Marimuthu** and K. Raja, Prediction model for CNC Turning on AISI316 with single and multi layered cutting tool using Box Behnken design, *International Journal of Engineering, Transactions A: Basics*, 2013, Vol.4, pp 401-410.
 11. N.E. Edwin paul, **P. Marimuthu** and R. VenkateshBabu, Machining Parameter Setting For Facing EN8 Steel With TNMG Insert, *American International Journal of Research in Science, Technology, Engineering & Mathematics*, (2013), Vol. 5 (1), pp 87- 92.
 12. Thirugnanam.C and **Marimuthu. P**, Experimental Analysis of Latent Heat Thermal Energy Storage using Paraffin Wax as Phase Change Material, *International Journal of Engineering and Innovative Technology (IJEIT)*, (2013), Vol. 3, Issue 2, pp 372-376.

13. K. Chandrasekaran, **P. Marimuthu**, K. Raja and A. Manimaran, Machinability study on AISI410 with different layered inserts in CNC turning during dry conditions, Indian Journal of Engineering & Materials Sciences October 2013, Vol. 20, pp. 398-404.
14. J. Bensam Raj, **P. Marimuthu**, M. Prabhakar and V. Anandhakrishnan, Workability Behaviour of Al-SiC Matrix P/M Composite Under Triaxial Stress State Condition, International Journal on Advanced Materials and Technologies, September (2013), Vol. 1 No. 5, pp. 198-205.
15. B. Selvam, **P. Marimuthu**, R. Narayanasamy, V. Anandakrishnan, K.S. Tun, M. Gupta, and M. Kamaraj Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites, International Journal - Materials & Design (ELSEVIER), June 2014, Vol. 58, pp 475–481.
16. S. Dharmalingam, , **P. Marimuthu** and K. Raja, Experimental investigation on ElectroChemical Micro Machining of Al -10% weight SiCp based on Taguchi Design of Experiments, International Review of Mechanical Engineering, Jan- 2014, Vol. 8. No.1, pp 80-88.
17. S. Dharmalingam, , **P. Marimuthu** and K. Raja, Optimization of Process Parameters on MRR and Overcut in Electrochemical Micro Machining on Metal Matrix Composites Using Grey Relational Analysis, International Journal of Engineering and Technology, Apr-May 2014, Vol. 6.No 2, pp 519-529.
18. **P. Marimuthu** and S. Baskaran, Optimal setting of Machining parameters for Turning INCONEL 625 using coated Tool, Applied Mechanics and Materials Journal, June 2014, Vol. 573, pp. 632-637.
19. **P. Marimuthu** and N.E. Edwinpaul, Experimental study for Turning AISI1040 Steel using TiCN/TiN coated Tool, Applied Mechanics and Materials Journal, June 2014, Vol. 573, pp. 638-643.
20. K. Chandrasekaran, **P. Marimuthu**, K. Raja and A. Manimaran, Multi Response Optimization of Machining Parameters for turning Stainless Steel using coated Tools, Applied Mechanics and Materials Journal, June 2014, Vol. 573, pp. 644-648.
21. V.S. Chandrasekar, K. Raja and **P. Marimuthu**, Composite Material selection using Multi criteria Decision making for Automobile Torsion Bar, Applied Mechanics and Materials Journal, June 2014, Vol. 573, pp. 649-654.

22. **P. Marimuthu** and P. Raveendran, Experimental study of parameter for Turning GFRP using coated Tool, Applied Mechanics and Materials Journal, June 2014, Vol. 573, pp. 655-658.
23. Dharmalingam Soorapparaju, **Marimuthu Perumal**, Raja Kandhasamy, Pandyrajan Rajendran, Simulation analysis of EMM on Metal Matrix Composites Using Taguchi, International Journal of Information Technology & Computer Sciences Perspectives, (2014) Vol. 3 , No 1, pp. 843 – 850.
24. Kannan, T. T. M. and **Marimuthu, P**, Non Automatic Tabletop Portable Mini Lathe, Official Journal of the Patent Office, (2014) Issue No. 22/2014, page14589, Application No. 5040/CHE/2013 A, Date of filing of Application: 08/11/2013, Publication date: 30/05/2014.
25. J. Bensam Raj, **P. Marimuthu**, M. Prabhakar and V. Anandhakrishnan, Effect of Sintering Time Variations on Stress Based Pore Closure Rate Studies on Al-SiC P/M Composites During Cold Upsetting, International Review of Mechanical Engineering, (2014), Vol. 8, No. 3, pp. 621-630.
26. A. Senthil Rajan, K. Raja and **P. Marimuthu**, Augmentation of Single Basin and Pyramid Still Desalination Using Common Biomass Heat Source and Analytical Validation Using RSM, A Australian Journal of Basic and Applied Sciences, July 2014, Vol. 8 (10), pp. 212-218.
27. A. Senthil Rajan, K. Raja and **P. Marimuthu**, Multi basin desalination using biomass heat source and analytical validation using RSM, Energy Conversion and Management (Elsevier), (2014), Vol. 87, pp. 359–366.
28. S. Dharmalingam, **P. Marimuthu**, K. Raja, Machinability study on Al-10% TiC Composites and Optimum setting of drilling parameters in ElectroChemical Micro machining using Grey Relational Analysis, Latin American Applied Research- An International Journal, (2014), Vol. 44, No. 4, pp. 331-338.
29. A. Senthil Rajan, K. Raja and **P. Marimuthu**, Enhancing the productivity of the single basin and analytical validation using RSM, Australian Journal of basic and applied sciences (2014), Vol. 8(15), pp.90-99.
30. S. Dharmalingam, **P. Marimuthu**, K. Raja, Drilling a Micro Hole on Electrochemical Micro Machining of Al-2024 /10 % Wt of Al_2O_3 / 10% Wt of B_4C Hybrid Metal Matrix Composites Using Taguchi Methodology, International Journal of Engineering (Accepted for Publication).

31. S. Karthikeyan, A. Elango, **P. Marimuthu** and A. Prathima, Performance, Combustion and Emission Characteristic of a marine engine running on grape seed oil biodiesel blends with nano additive, Indian Journal of Geo-Marine Sciences, (2014),nVol. 43(12), PP. 2315-2319.
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33. **P. Marimuthu** and T. T. M. Kannan, Tabletop Portable Mini Friction Welding Machine for Miniature of Welded Joints, Official Journal of the Patent Office, (2015) Issue No. 05/2015, page 22219, Application No. 371/CHE/2015 A, Date of filing of Application: 27/01/2015, Publication date:30/01/2015.
34. A. Senthil Rajan, K. Raja and **P. Marimuthu**, Increasing the productivity of pyramid solar still augmented with biomass heat source and analytical validation using RSM, Desalination and Water Treatment, (2015), pp. 1-14, DOI: 10.1080 / 9443994.2014.995133.
35. K. Raja, **P. Marimuthu** and K. Chandrasekaran, Performance study on AISI316 and AISI 410 using different layered coated cutting tools in CNC Turning, Journal of Engineering Science and Technology, (2015), Vol. 10, No.1, pp. 25 – 34.
36. **P. Marimuthu**, TTM. Kannan and G. Balaji, Evaluation of Hardness and tensile strength of Micro spot welded joints on different materials, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 3, pp. 2412-2414.
37. **P. Marimuthu** and TTM. Kannan, Development of Tabletop Micro factory for sustainable manufacturing system, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 3, pp. 2446-2449.
38. TTM. Kannan, **P. Marimuthu**, K. Sabarieasan and P. Vijayakumar Experimental Investigation of Uncoated Cemented Carbide Tool Insert During Turning Process of EN-19 Steel by Regression Analysis, International Journal of Applied Engineering Research, (2015), Vol. 10, No. 3, pp. 2415-2420.
39. R. Kalyana Sundaram, N. Dharmendra Prakash and **P. Marimuthu**, Study of Mechanical properties of the polymer matrix Composite material,

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41. CT. Muthiah and **P. Marimuthu**, Thermal decomposition study Of high density Polyethylene nano composite, Journal of Chemical and Pharmaceutical Sciences(2015), Special issue 7, pp.240-244.
42. K. S. Ashraff Ali, **P. Marimuthu** and A. Athijayamani, Investigations on temperature distribution in welding of Aluminium alloys to steel using FEM, Journal of Carbon – Science and Technology (2015), Vol.7/1, pp. 89 – 97.
43. M. Ganesan and **P. Marimuthu**, Prediction of Axial Shortening on Friction welding of AISI 4340 Steel Joints using Design of Experiments, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3927-3931.
44. B. Selvam, **P. Marimuthu**, R. Narayanasamy, V. Senthilkumar, K. S. Tun, and M. Gupta, Study of Flow Behaviour on Zinc Oxide Reinforced Magnesium Nano-composite Under Hot Compression, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3956-3960.
45. B. Selvam, **P. Marimuthu**, R. Narayanasamy, V. Senthilkumar, K. S. Tun, and M. Gupta, Development of a Constitutive Model for Predicting High Temperature Flow Stress of Magnesium-Zinc Oxide Composite, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3971-3974.
46. **P. Marimuthu**, K. Senthil Kumar, S. Dinesh Raja and S. Karthikeyan, Analyse and Optimise Machining Parameters Setting For CNC Turning of Inconel x-750 Using Genetic Algorithm, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3978-3981.
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Taguchi Method, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.3982-3984.

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49. R. Baskaran, **P. Marimuthu**, S. Jayalakshmi, A. Naveen Sait and K. Chandrasekaran, Evaluation of influencing parameters on Turning INCONEL625 with traditional technique, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4039-4043.
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51. N.E. Edwin Paul, **P. Marimuthu**, K. Chandrasekaran and J. Bensam Raj, Multi response study for machining AISI1040 using Grey Taguchi Method, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4048-4051.
52. R.Kalyana Sundaram, S.Karthikeyan, and **P.Marimuthu**, Study of Mechanical Properties of the Composite Material Produced From the Wastage of Plastic And Coconut Fiber, International Journal of Applied Engineering Research, (2015), Vol.10, No. 55, pp.4119-4124.
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54. B. Selvam, **P. Marimuthu**, R. Narayanasamy, V. Senthilkumar, K. S. Tun, and M. Gupta, "Effect of Temperature and Strain Rate on Compressive Response of Extruded Magnesium Nano-composite" Journal of Magnesium and Alloys (ELSEVIER), (2015), Vol. 3, Issue 3, pp.224–230.
55. P. Raveendran and **P. Marimuthu**, “Multi-response optimization of turning parameters for machining glass fiber–reinforced plastic composite rod”,

International Journal of Advances in Mechanical Engineering, (2015), Vol. 7, No. 12, pp.1-10.

56. M. Ganesan and **P. Marimuthu**, “Experimental Evaluation and Analysis of Tensile Strength Behaviour on Friction Welded AISI 4340 Steel Joints using Design of Experiments”, International Journal of Engineering Research and Management (2015), Vol. 2, Issue 12, pp. 32-35.
57. R. Baskaran, **P. Marimuthu**, and K. Chandrasekaran, “Performance of study TiCN/TiN and TiAlN coated cutting tool on Inconel625 in CNC Turning”, International Journal of Engineering Research and Management (2015), Vol. 2, Issue 12, pp.73-76.
58. N.E. Edwin Paul, **P. Marimuthu**, K. Chandrasekaran and P. Murugesan, “Evaluation of TiCN/TiN and TiAlN coated tools for turning AISI1040 under dry condition”, International Research Journal of Engineering and Technology (2015), Vol. 02 Issue 09, pp.2500-2506.
59. Marimuthu, P, Robertsagayadoss, M; Edwinpaul, N E; Chandrasekaran, K, “Modeling of EDM Progression on Heat Resistant Super Alloys Using Response Surface Regression”, Journal of Scientific and Industrial Research (2016), Vol.75, Issue 08, pp.475-479.
60. N.E. Edwin Paul, **P. Marimuthu**, K. Chandrasekaran and P. Murugesan, “Modeling the CNC Turning operation on AISI1040 using Response Surface Methodology”, International Journal of Mechanical and Mechatronics Engineering, (2016), Vol. 16, No. 02, pp. 30-35.
61. K. Senthilkumar and **P. Marimuthu**, “Prediction of machining parameters for CNC Turning of Inconel X-750 using Genetic algorithm”, International Journal of Advanced Engineering Technology, (2016), Vol. VII, Issue I, pp. 726-728.
62. K. Senthamarai and **P. Marimuthu**, “Experimental investigation on microstructure and mechanical behaviour of stir cast metal matrix composite aa6061 with MWCNT”, International Journal of Advanced Engineering Technology, (2016), Vol. VII, Issue II, pp. 1115-1117.
63. V. Sivabharathi, **P. Marimuthu**, and S. Ayyappan, “Numerical and experimental study on enhancement of electrochemical machining performance by baffled tool”, International Journal of Advanced Engineering Technology, (2016), Vol. VII, Issue II, pp. 1118-1125.

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65. M. Rajeshwaran, K. Raja, **P. Marimuthu** and M.D. Duraimurugan alias Saravanan, "Bio Diesel Production and Optimization from Prosopis Julifera oil- A Three step method", International Journal of Advanced Engineering Technology, (2016), Vol. VII, Issue II, pp. 1214-1224.
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71. CT. Muthiah and **P. Marimuthu**, Experimental Study of Thermal Conductivity of Polyethylene Copper Oxide Nanocomposite, International Journal of Advanced Engineering Technology, (2016), Vol. VII, Issue I, pp. 937-941.
72. **P. Marimuthu**, T. T. M. Kannan, M.Aathi Jeganatha Pandian, A.Arunkumar, B.Goori Prasath and S.Jeeva Munees Raja, Development of mini surface grinder, Official Journal of the Patent Office, (2017) Issue No.

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73. K. S. Ashraff Ali, **P. Marimuthu**, A. Athijayamani and V. S. Arugalai, Microstructural analysis of B₄C and SiC reinforced Al alloy metal matrix composite joints, The International Journal of Advanced Manufacturing Technology, (2017), pp. 1-11
74. R. Ramaswamy, B. Selvam, **P. Marimuthu** and Elango Natarajan, Investigation of Densification Behaviour on Yttrium Oxide Reinforced Ti-6AL-4V Nano-Composite Through Powder Metallurgy, International Journal of Mechanical and Production Engineering Research and Development, Vol. 8, Issue 2, (2018), pp. 433-442.
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