

## RESEARCH PROFILE

Name : Dr. P.Pitchipoo M.E., Ph.D  
Designation : Professor and Head\  
Department : Mechanical Engineering  
Email : [drpitchipoo@gmail.com](mailto:drpitchipoo@gmail.com), pitchipoo@psr.edu.in  
Mobile : 9841310110; 9965965975



### EDUCATION

Qualification	University	Year	Specialization
B.E	Madurai Kamaraj University	1996	Mechanical Engineering
M.E	Madurai Kamaraj University	2001	Industrial Engineering
Ph.D	Kalasalingam University	2012	Mechanical Engineering

### LIST OF PUBLICATIONS

#### JOURNALS:

1. **Pitchipoo P.**, Venkumar P., Rajakarunakaran S. and Ragavan, R, (2018), “Decision model for supplier evaluation and selection in process industry: A hybrid DEA approach”, International Journal of Industrial Engineering: Theory, Applications and Practice, Vol. 25, No. 2, pp. 186-199 (IF: 0.537)
2. S. Kavitha, P. Venkumar, N. Rajini and **P. Pitchipoo**, (2018) “An Efficient Social Spider Optimization for Flexible Job Shop Scheduling Problem”, Journal of Advanced Manufacturing Systems, DOI: <https://doi.org/10.1142/S0219686718500117>.
3. Maniram Kumar A., Rajakarunakaran S., **Pitchipoo P.**, and Vimalasan R., (2018) “Fuzzy based risk prioritisation in an auto LPG dispensing station”, Safety Science, Vol. 101, January 2018, pp. 231–247 (IF: 2.246)
4. Vincent D.S., **Pitchipoo P.**, Rajini N., and Rajakarunakaran S., “Reduction of Blind Spots in Heavy Transport Vehicles through the Optimization of Driver Seat Design”, International Journal of Computer Aided Engineering and Technology , Vol. 10, No.1/2, pp. 3-14.
5. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., “Hybrid Optimization Model for Blind Spot Reduction in Heavy Vehicles”, International Journal of Computer Aided Engineering and Technology, Vol. 9, No. 2, pp. 145-153
6. Muthiah A., **Pitchipoo P.** and Rajkumar R., (2016) “Analyses of Ceramic Coating on the Exhaust Valve of Diesel Engine”, International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 1, pp. 179-189 .

7. Jebakani D., **Pitchipoo P.**, Ragavan R. and Rajakarunakaran S., (2016) "Sourcing Selection Using Hybrid Fuzzy AHP for a Packaging Industry", International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 1, pp. 190-199
8. Mayandi K, Rajini N, **Pitchipoo P**, Winowlin Jappes J.T and Varada Rajulu A, (2016), "Properties of Untreated and Chemically Treated Cissus Quadrangularis Natural Fibers and Their Composites With Polyester as the Matrix", Polymer Composites, DOI: 10.1002/pc.24011 (**IF: 1.632**)
9. Jebakani D., Krishnaveni A., **Pitchipoo P.** and Jeyakumar K., (2016), "Hybrid Optimization of Gas Metal Arc Welding Process Parameters for Maximizing the Mechanical Properties", International Journal of Advanced Engineering Technology , Volume VII, Issue III, 92-101
10. Krishnaveni A., Jebakani D., **Pitchipoo P.** and Jeyakumar K., (2016), Turning Parameters Optimization Using COPRAS – Taguchi Technique." International Journal of Advanced Engineering Technology, Volume VII, Issue II, pp. 463-468.
11. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., (2016) Development of Fuzzy Based Intelligent Decision Model to Optimize the Blind Spots in Heavy Transport Vehicles", Traffic & Transportation, Vol. 28, No. 1, pp. 1-10. (**IF:0.509**)
12. Mayandi K, Rajini N, **Pitchipoo P** and Varada Rajulu A, (2015) "Extraction and Characterization of New Natural Lingo-Cellulosic Fiber Cyperus Pangorei" International Journal of Polymer Analysis and Characterization, Vol. 21, No. 2, pp. 175-183. (**IF:1.26**)
13. Vincent D.S., **Pitchipoo P.**, Rajini N. and Rajakarunakaran S., (2015) "Fuzzy based optimization to reduce the blind spots in heavy transport vehicles", International Journal of Vehicle Structures & Systems, 7(4), 136-140.
14. Saravanan S and **Pitchipoo P**, (2015) "Optimization of GMAW Parameters to Improve the Mechanical Properties", Applied Mechanics and Materials, Vols. 813-814, pp. 456-461.
15. Mayandi K, Rajini N, **Pitchipoo P**, Arumugaprabu V, Vishnudev PK, Vetrivel M and Vignesh K (2015), "Effect of Alkali Treatment on Tensile and Physicochemical Characterization of Cissus Quadrangularis Fiber" Applied Mechanics and Materials 813, 172-178.
16. Mayandi K., Rajini N., **Pitchipoo P.**, Winowlin Jappes JT. And Siva I., (2015) "Mechanical performance of Cissus quadrangularis/polyester composite", Materials Today Communications, Volume 4, Pages 222–232.
17. Mayandi K., Rajini N., **Pitchipoo P.**, Sreenivasan V.S. and Winowlin Jappes J.T., (2015) "A comparative study on characterizations of Cissus quadrangularis and Phoenix reclinata natural fibres" Journal of Reinforced Plastics and Composites, Vol. 34, No. 4, pp. 269 – 280. (**IF: 1.188**)
18. Saravanan. S and **Pitchipoo P.**, (2015) "Optimization of GMAW parameters to improve the tensile strength of welding material", International Journal of Applied Engineering Research, Vol. 10, No.68, pp. 578-581.
19. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2015) "Grey decision model for supplier evaluation and selection in process industry: A comparative perspective" International Journal of Advanced Manufacturing Technology, Volume 76, Issue 9-12, pp 2059-2069 (**IF: 1.779**)

20. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., (2014) “COPRAS Decision Model to Optimize Blind Spot in Heavy Vehicles: A Comparative Perspective”, *Procedia Engineering*, Vol. 97, pp. 1049 – 1059.
21. Rajesh. S, Rajakarunakaran S. Sudhakarapandian R. and **Pitchipoo P.**, (2013) “MOORA based Tribological Studies on Red Mud Reinforced Aluminum Metal Matrix Composites” *Advances in Tribology*, Volume 2013, Article ID 213914.
22. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2013) “Fuzzy hybrid decision model for supplier evaluation and selection”, *International Journal of Production Research* Vol. 51, No. 13, pp. 3903-3919. (IF: 1.46)
23. Siva I., Winowlin Jappes J.T., **Pitchipoo P.**, Amico S.C., Nagarajan E.R. and Azhagesan N. (2013) “Grey Optimization of Process Parameters of Surface Modification of Novel Coconut Sheath Reinforced Polymer Composites” *Journal of Polymer Engineering*, Vol. 33, No. 7, pp. 665–672. (IF: 0.282)
24. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2013) “Modeling and development of decision support system for supplier selection”, *Journal of Industrial Engineering International*, 9(1):23.
25. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2012) “A distinct decision model for evaluation and selection of supplier for an electro plating industry”, *International Journal of Production Research* Vol. 50, No. 16, pp. 4635-4648. (IF: 1.46)
26. **Pitchipoo P.**, Venkumar P., Muthugurupackiam K. and Rajakarunakaran S., (2011) “Modelling and development of decision model for supplier selection in process industry”, *International Journal of Computer Aided Engineering and Technology*, Vol. 3, issue 5/6, pp. 504-516.
27. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2011) “A hierarchical decision support system for supplier selection in process industry, *Automation and Autonomous System*, 3 (11), 508-513.
28. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., (2011) “Grey decision model for supplier selection in process industry”, *International Journal of Operations Systems and Human Resource Management*, Vol. 1, No. 1-2, pp. 61-66.

## INTERNATIONAL CONFERENCE PUBLICATIONS

1. **Pitchipoo P.**, Baskarasethupathi A. and Muthiah A., “Multi objective optimization of milling parameters in Aluminium 6061 and fly ash composite”, *International Conference on Latest Trends in Science, Engineering and Technology (ICLTSET 18)*, Karpagam Institute of Technology, Coimbatore, March 23-24, 2018
2. **Pitchipoo P.**, A.BhaskaraSethupathy and ,A.Muthiah, “Experimental Investigation Of Machinability Characteristics And Multi- Objective Optimization Of Milling In Aluminium 6061& Fly Ash Composite Using Grey Relational Analysis” *International Conference on Advanced Manufacturing and Automation (INCAMA-2018)*, Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
3. Mahendran K, Muthiah A, and **Pitchipoo P.**, Rajkumar R, “Firefly Algorithm For Solving Job Shop Scheduling Problem” *International Conference on Advanced Manufacturing and Automation (INCAMA-2018)*, Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018

4. Malleshappa T., Bhawati P, Venkumar P, and **Pitchpoo P**, “Evaluation of green supply chain management practices in small scale forging industries” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
5. Kavitha S, Venkumar P, Rajini N, and **Pitchpoo P**, “A novel krill her optimization for multi objective job shop scheduling problem” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
6. Murali R, Muthiah A, and **Pitchpoo P**, “Study on ceramic coated engine valve by plasma spray technique” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
7. Saravanarajan J, **Pitchpoo P**, and Muthiah A, “Experimental analysis and optimization of parameters in WEDM on EN47” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
8. **Pitchipoo P.**, and Ragavan R.,, “Modeling and simulating mechanical response of Al3003/CFRP honeycomb using ACP” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
9. **Pitchipoo P.**, and Ragavan R.,, “Evaluation of mechanical characteristics of Al3003/CFRP honeycomb” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam University, Krishnankoil, Tamilnadu, March 05-06, 2018
10. Karthikeyan R. and **Pitchipoo P.**, “Elimination of Blind Spots for Heavy Transport Vehicles by Driver Seat Design”, International Conference on Advanced Manufacturing and Automation (INCAMA- 2018), Kalasalingam University, Krishnankoil, Tamilnadu, India, March 05-06, 2018
11. Karthikeyan R. and **Pitchipoo P.**, State of the Art Research in Additive Manufacturing Processes”, Third International Conference on Advances in Industrial Engineering Applications (ICAIEA 2018), Anna University, Chennai, January 3-5, 2018
12. **Ragavan R**, **Pitchipoo P** and Siva I., “Investigation on the Effect of Loading Orientation on the Frictional Behavior of PVC Core Sandwich Materials”, International Conference on Advanced Materials and Processes, ISRO, Thiruvnanthapuram, December 14-17, 2017.
13. Muthiah A., **Pitchipoo P.** and Rajkumar R., “Ant colony optimization algorithm for job shop scheduling problem”, International Conference on Innovations in Science, Technology and Management towards Sustainability, P.S.R. Engineering College, Sivakasi, November 10, 2017.
14. Sankarasubramanian M. and **Pitchipoo P.**, “Evaluation of mechanical properties of natural fiber composites”, International Conference on Innovations in Science, Technology and Management towards Sustainability, P.S.R. Engineering College, Sivakasi, November 10, 2017.
15. Baskarasethupathi A. and **Pitchipoo P.**, “The state of the art analysis on machining parameter optimization of metal matrix composites”, International Conference on

Innovations in Science, Technology and Management towards Sustainability, P.S.R. Engineering College, Sivakasi, November 10, 2017

16. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Novel Optimization of Friction Stir Welding Process Parameters on Aluminum Alloy 6061-T6”, Indo-Brazil Bilateral Second International Conference on Advanced Materials & Processing, Kalasalingam University, Krishnankoil, Tamilnadu, India, March 27-28, 2017.
17. Manikandan A., Rajkumar R., Muthiah A and **Pitchipoo P.**, “Influence of various chemical treatments on physicochemical properties of cotton shell fibers” Indo-Brazil Bilateral Second International Conference on Advanced Materials & Processing, Kalasalingam University, Krishnankoil, Tamilnadu, India, March 27-28, 2017.
18. Ganesan K., Kailasanathan C., Muthiah A and **Pitchipoo P.**, “Assessment on mechanical properties of polyester matrix composite containing egg shell powder /nanoclay with jute fiber mat” Indo-Brazil Bilateral Second International Conference on Advanced Materials & Processing, Kalasalingam University, Krishnankoil, Tamilnadu, India, March 27-28, 2017.
19. Gomathisankar M., **Pitchipoo P.** And Ragavan R., “Multi-Objective Optimization of Friction Stir Welding Process Parameters of Aluminum Alloy 6061-T6 Using Taguchi Based Grey Relational Analysis”, International Conference on Fascinating Advancements in Mechanical Engineering (FAME 2016), Mepco Schlenk Engineering College, Sivakasi, March 18, 2016.
20. **Pitchipoo P.**, Gomathisankar M., Ragavan R. and S.Rajakarunakaran., “A Noval Optimization of Friction Stir Welding Process Parameters on Aluminum Alloy 6061-T6” International conference on Emerging Trends in Science, Engineering, Technology and Management (ICETsETm 2016), P.S.R. Engineering College, Sivakasi, April 07, 2016.
21. Mayandi K., Rajini N., **Pitchipoo P.**, Vishudev P.K, Vetrivel M, Vignesh K. and Arumugaprabhu V, “Effect of alkali treatment on tensile and physicochemical characterizations of Cissus quadrangularis fiber” International Conference on Mechanical and Manufacturing Engineering, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram, Tamil Nadu, India, April 2-3, 2015.
22. Muthiah A, Kalimuthu M and **Pitchipoo P.**, “Temperature distribution and Thermal analysis of ceramic coated exhaust valve in diesel engine”, International Conference on Mechanical and Manufacturing Engineering, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram, Tamil Nadu, India, April 2-3, 2015.
23. Saravanan S and **Pitchipoo P.**, “Optimization of GMAW parameters to improve the mechanical properties”, International Conference on Mechanical and Manufacturing Engineering, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram, Tamil Nadu, India, April 2-3, 2015.
24. Vincent D.S., **Pitchipoo P.**, Rajini N. and Rajakarunakaran S., “Optimization of Blind Spots in Heavy Transport Vehicles through the Optimization of Driver Seat Design”, Indo-Brazil Bilateral International Conference on Advanced Materials and Manufacturing (ICAMM 2015), Cape Institute of Technology, Levengipuram, March 27-28, 2015.
25. **Pitchipoo P.**, Ragavan R., and Rajakarunakaran S., “Hybrid intelligent decision model for supplier evaluation and selection”, Indo-Brazil Bilateral International Conference on

- Advanced Materials and Manufacturing (ICAMM 2015), Cape Institute of Technology, Levegnipuram, March 27-28, 2015.
26. **Pitchipoo P.**, Ragavan R., and Rajakarunakaran S., “Hybrid DEA decision model for supplier evaluation and selection”, International Conference on Advances in Production and Industrial Engineering (INCAPIE'15), National Institute of Technology, Tiruchirappalli, February 20-21, 2015, pp. 559-563.
  27. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., “COPRAS Decision Model to Optimize Blind Spot in Heavy Vehicles: A Comparative Perspective”, 12th Global Congress on Manufacturing and Management, VIT University, Vellore, December 08 – 10, 2014
  28. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., “Analysis of Prime Reasons for Night Time Accidents in Public Transport Corporations”, Second International Conference on Advances in Industrial Engineering Applications (ICAIEA 2014) Anna University Chennai, India, January 6-8, 2014
  29. **Pitchipoo P.**, Ragavan R., Venkumar P. and Rajakarunakaran S., “Supplier Evaluation and Selection Using Hybrid Data Envelopment Analysis”, International Conference on Advanced Materials and Manufacturing (ICAMM 2013), Cape Institute of Technology, Levegnipuram, April 11-12, 2013, 2013.
  30. Vincent D.S., **Pitchipoo P.**, and Rajakarunakaran S., “Elimination of Blind Spots for Heavy Transport Vehicles by Driver Seat Design”, International Conference on Advanced Manufacturing and Automation (INCAMA- 2013), Kalasalingam University, Krishnankoil, Tamilnadu, India, March 28-30, 2013.
  31. **Pitchipoo P.**, Ragavan R., Venkumar P. and Rajakarunakaran S., “Development of Decision Support System for Supplier Evaluation and Selection Using Integrated DEA”, International Conference on Advanced Manufacturing and Automation (INCAMA- 2013), Kalasalingam University, Krishnankoil, Tamilnadu, India, March 28-30, 2013.
  32. Rajesh. S, Rajakarunakaran. S, Sudhakarapandian. R, and **Pitchipoo. P** “Optimization of machining parameters for multi performance characteristics in turning red mud based Al MMC. Second International Conference on Advanced Manufacturing and Automation (INCAMA- 2013), Kalasalingam University, Krishnankoil, Tamilnadu, India, March 28-30, 2013.
  33. **Pitchipoo P.**, Ragavan R., Venkumar P. and Rajakarunakaran S., “Development of DEA Decision Model for Supplier Selection”, IEEE - International Conference on Research and Development Prospects on Engineering and Technology (ICRDPET 2013), EGS Pillay Engineering College, Nagapattinam, March 29-30, 2013.
  34. **Pitchipoo P.**, Ragavan R., Venkumar P. and Rajakarunakaran S., “Decision Model for Supplier Selection Using Data Envelopment Analysis”, “First International Conference on Emerging Trends in Engineering and Technology (ICETET-2013)” Marthandam College of Engineering and Technology, Marthandam, February 22-23, 2013.
  35. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Development of fuzzy expert system for supplier evaluation and selection”, IEEE International Conference on Advances in Engineering, Science and Management (IEEE-ICAESM 2012), EGS Pillay Engineering College, Nagapattinam, March 30-31, 2012. Pp 1- 6. [ISBN 978-81-909042-2-3]

36. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Fuzzy hierarchical decision model for supplier evaluation and selection”, 2nd International Conference on Advances in Mechanical, Manufacturing and Building Sciences [ICAMB – 2012], VIT University, Vellore, January 09 - 11, 2012
37. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Supplier evaluation and selection for process industry using fuzzy set theory”, International Conference on Advances in Supply Chain and Manufacturing Management [ASCMM 2011], IIT, Kharagpur India, December 16-18,2011.
38. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “A hierarchical decision model for supplier selection in process industry”, International Conference on Advances in Engineering & Technology – 2011 (ICAET - 2011), EGS Pillay Engineering College, Nagapattinam, May 27 & 28, 2011. [ISBN Number : 978-1-4507-6433-9]
39. Senthil Kumar G., Natarajan U., Sankaranarayanan G., Sugumaran P. and **Pitchipoo P.** “Assessment of Mig Welding Defects Using Computer Vision System”, International Conference on Thermal Energy and Environment (INCOTEE 2011), Kalasalingam University, Krishnankoil, Tamilnadu, India March 24 – 26, 2011: ISBN: 978-81-921249-1-9
40. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Fuzzy decision model for supplier evaluation and selection in process industry”, International Conference on Operational Research for Urban and Rural Development (ORURD 2010), Thiagarajar College of Engineering, Madurai, December 15 – 17, 2010.
41. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Comparative study on supplier evaluation and selection in process industry”, 3rd International & 24th All India Manufacturing Technology, Design and Research (AIMTDR 2010) Andhra University, Visakhapatnam, December 13 - 15, 2010. [Vol. 2, pp. 827 – 832].
42. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Development and comparison of decision models for supplier selection in process industry" Fifth International Conference on Logistics and Supply Chain Management (ILSCM 2010), PSG College of Technology, Coimbatore, August 3-5, 2010.
43. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Grey decision model for supplier selection in process industry”, First International Conference on Recent Advances in Mechanical Engineering (ICRAME 2010), Noorul Islam University, Nagerkoil, April 7- 8, 2010 [Vol. 2, pp. 77 – 80]. [ISBN: 978-81-907917-3-1]
44. **Pitchipoo P.**, Venkumar P., Muthugurupackiam K. and Rajakarunakaran S., “An integrated approach for supplier selection using goal programming and analytic hierarchy process: A case study”, International Conference on Operations Research applications In Engineering and Management (ICOREM 2009), Anna University, Trichy, May 27- 29,2009 [pp. 1854 – 1870]
45. **Pitchipoo P.**, Venkumar P., Muthugurupackiam K. and Rajakarunakaran S., “Modelling and development of decision model for supplier selection in process industry”, International Conference on Advanced Manufacturing and Automation (INCAMA 2009), Kalasalingam University, Krishnankoil, March 26 – 28, 2009.
46. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Hybrid approach for supplier selection and decision making in process industry”, International Conference

- on Supply Chain Management and Information Systems (SCMIS 08), National Institute of Technology, Trichy December 8-10, 2008 (pp. 27 – 34). [ISBN: 023-063-688-8]
47. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “Integrated decision model for supplier selection in process industry” Fourth International Conference on Logistics and Supply Chain Management (ILSCM 2008),PSG College of Technology, Coimbatore, Aug 7-9, 2008. [pp. 362 – 367]
  48. **Pitchipoo P.**, “An Artificial Neural Network Approach to forecast short term sales”, International Conference on Advance Design & Manufacturing (ICADM 07) at Sethu Institute of Technology, Madurai, August 9-11, 2007

## NATIONAL CONFERENCE PUBLICATIONS

1. Ragavan R, **Pitchipoo P**, Siva I, Arunkumar S, Kathirvel K, Prabakaran S, “Mechanical Behaviour of Carbon Fiber with AA3003 Honeycomb Sandwich Using Ansys”, TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018
2. Ragavan R, **Pitchipoo P**, Siva I, Varungopal K, Vinoth D, Yogeswaran R, “ Analysis of the Kerf Angle of AA3003 Honeycomb Sandwich Machined by AWJM”, TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018.
3. Ragavan R, **Pitchipoo P**, Siva I, Raghupathi S, Ragul T, Shanmugaraj S, “ Evaluation of Compression Testing on AA3003 Honeycomb Sandwich”, TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018.
4. Karthikeyan R, **Pitchipoo P** , “A review article to edifice a mathematical model for the FDM process parameters optimization” TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018
5. **Pitchipoo P**, Saravananrajan J , “Experimental analysis and optimization of parameters in WEDM on EN 47” TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018
6. Murali R, A. Muthiah, **P.Pitchipoo** “Investigation of ceramic coating on engine valve by plasma spray technique” TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018
7. M.Sankarasubramanian, **P.Pitchipoo**, “Experimental study on mechanical performance of polymer composites reinforced with natural fibers” TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018
8. A. Muthiah, **P.Pitchipoo** and I. Mohammed Musthaba, “Multi objective Optimization of milling parameters in AL 6061 and Fly ash composite using Grey Relational Analysis” TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018



9. **P.Pitchipoo** and A.Baskara Sethupathy, A. Muthiah, "Optimization of drilling parameters for metal matrix composite using Taguchi method" TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018.
10. A. Muthiah, **P.Pitchipoo** and K.Mahendran, "A Hybrid Algorithm for Job Shop Scheduling Problem" TNSCSCT Sponsored 5th National Conference on Research Advances in Mechanical Engineering (RAME 2018), P.S.R. Engineering College, Sivakasi, March 29, 2018
11. Durkaieswaran P, , Ragavan R and Ravikumar K, "Performance Analysis of Shell and Tube Heat Exchanger" Fourth National Conference on Advances in Mechanical Engineering Applications (NCAMEA'18), Theni Kammavar Sangam College of Technology Koduvilarpatti, Theni, Tamilnadu, 23rd March, 2018.
12. **Pitchipoo P.**, Ragavan R., Dinesh Kumar P., Karuppasamy Pandian K. and Manikandan Babu K., "Performance analysis of shell and tube heat exchanger with square pitch baffle" , Fourth National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, March 31, 2017.
13. Muthiah A., Rajkumar R., **Pitchipoo P.** and Mahendran K., "Ant colony optimization algorithm for job shop scheduling problem", Fourth National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, March 31, 2017.
14. **Pitchipoo P.**, Chinna thambi K., Jeganatha Raman V. and Mohamed Matheen S., "Selection of parameters to improve mechanical properties of gas metal arc welding of dissimilar metals joints", Fourth National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, March 31, 2017.
15. **Pitchipoo P.**, Ragavan R., Vignesh Kumar S., Vignesh P. and Vignesh P., "Performance analysis of shell and coil heat exchanger by using CFD", Fourth National Conference on Research Advances in Mechanical Engineering (RAME 2017), P.S.R. Engineering College, Sivakasi, March 31, 2017.
16. Gomathisankar M., **Pitchipoo P.** and **Ragavan R.**, "Entropy Based Grey Relational Optimization of Process Parameters of Friction Stir Welding of AA6061-T6" National Conference on Research Advances in Mechanical Engineering (RAME 2016), P.S.R. Engineering College, Sivakasi, March 31, 2016.
17. **Pitchipoo P.**, Raguram S., Reuben Samuel J. and Venkatesh S., "Optimization of STB Welding Parameters for Improving Quality of Welded Joints" National Conference on Research Advances in Mechanical Engineering (RAME 2016), P.S.R. Engineering College, Sivakasi, March 31, 2016.
18. Gomathisankar M., **Pitchipoo P.** and Ragavan R., "A review on the parameter optimization of mechanical properties in friction stir welding of Al 6061", National Conference on Recent Advances in Materials and Manufacturing (RAMM 2015), SSN College of Engineering, Chennai, December 19, 2015.
19. Vincent D.S., **Pitchipoo P.**, Rajini N. and Rajakarunakaran S., "Fuzzy based optimization to reduce the blind spots in heavy transport vehicles", 1<sup>st</sup> National Conference on Technological Advances in Mechanical Engineering (TAME 2015), Vel

Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, August 20, 2015

20. Vincent D.S., **Pitchipoo P.**, Rajini N. and Rajakarunakaran S., “Estimation of weights in multi criteria decision making problems - A comparative study”, National Conference on Innovations in Engineering, Science and Technology (NCIEST), Ramco Institute of Technology, Rajapalayam, March 06-07, 2015.
21. **Pitchipoo P.**, Vincent D.S., Suresh M and Rajakarunakaran S., “Hybrid Optimization Model for Blind Spot Reduction in Heavy Vehicles”, 2nd National Conference on Research & Advances in Mechanical Engineering (RAME’14), P.S.R. Engineering College, Sivakasi, Tamil Nadu, India, March 28 & 29, 2014
22. Praveen J.K., Saravana Kumar M., Suriya Kumar R. and **Pitchipoo P.**, “Supplier Selection for Process Industry Using Analytical Hierarchy Process” National Conference on Recent Trends in Manufacturing Engineering (NCRTME - 11), SACS MAVMM Engineering College, Madurai, April 2, 2011
23. **Pitchipoo P.**, Venkumar P. and Rajakarunakaran S., “ Generic framework of supply chain network for process industry”, in the National Conference on Challenges and Innovative Practice on Design, Manufacturing and Materials (NCCIPDMM 2008) in Kalasalingam University, Krishnankoil Tamil Nadu, India during March 12-13, 2008.

#### DETAILS OF PROJECT PROPOSALS SANCTIONED

S. No	Title	Amount (Rs)	Funding Agency
1	Novel power generation for automobiles	10,000	Tamilnadu State Council for Science and Technology (TNSCST), Chennai

#### DETAILS OF PROJECT PROPOSALS SUBMITTED

S. No	Title	Funding Agency
1.	Modeling and development of intelligent decision support system for multi criteria decision making for green supply chain network of a process industry (As Principal Investigator)	Department of Science and Technology (DST), New Delhi
2.	Optimization Studies on Driving Safety by Reducing the Blind Spots in Heavy Transport Vehicles using MCDM Approach(As Principal Investigator)	Tamilnadu State Council for Science and Technology (TNSCST), Chennai
3.	Improving the fuel efficiency through the reduction of unsprung weight in an automobile by replacing the steel leaf spring by nanocomposite leaf spring (As Principal Investigator)	Tamilnadu State Council for Science and Technology (TNSCST), Chennai

## Awards / RECOGNITIONS:

### ✚ Guest Editor:

- For a special issue (Vol. 9, Issue 2, 2017) in the “International Journal of Computer Aided Engineering and Technology”
- Editorial team member of the Proceedings of the Second National conference on “Pyro Tech - 2013” organized by Petroleum and Explosives Safety Organization (PESO), Ministry of Explosives, Government of India at Sivakasi, Tamil Nadu on 22.11.2013 & 23.11.2013

### ✚ Reviewer:

- International Journal of Production Research, Taylor & Francis Publishers.
- International Journal of Applied Decision Sciences, Inderscience Publishers
- International Journal of Computer Aided Engineering and Technology, Inderscience Publishers
- International Journal of Fuzzy Systems
- International Journal of Industrial and Production Engineering
- Brazilian Archives of Biology and Technology
- Science and Engineering of Composite Materials, Degruyter Publishers.
- Operations Management Research and Cellular Manufacturing Systems, Business Science Reference; 1 edition.
- Production Planning & Control
- Traffic & Transportation

✚ Anna University supervisor Recognition – Ref. No: 2220316

## RESEARCH SCHOLARS

S.No.	Candidate Name	Registered University	Title/Area of Research	Remark
1.	Mr.D.S.Vincent	Kalasalingam University	Optimization of Blindspot in Heavy Vehicles: A Multi Criteria Decision Making Approach	Degree Awarded on 2016
2.	Mr.K.Mayandi	Kalasalingam University	Development and Performance Analysis of Polymer Composites with some Newly Identified and Characterized Natural Fibres	Degree Awarded on 2016
3.	Sanakara subramanian M	Anna University	Composite Materials	Course Work completed
4.	Ragavan R	Anna University	Composite Materials	Course Work completed
5.	Karthikeyan R	Anna University	3 D Printing	Course Work completed
6.	Sundarrajan D	Anna University	Metal Matrix Composite	Course Work completed

## Citation Details:

### Scopus:

- Article: 19
- Citation: 104
- h index: 6

### Google Scholar:

- Article: 25
- Citation: 154
- h index: 8