

RESUME

Dr. P.Pitchipoo M.E., Ph.D

Professor / Mechanical Engineering

IQAC Coordinator

P.S.R Engineering College

Sivakasi – 626140, Tamil Nadu, India

Email: pitchipoo@psr.edu.in

Contact: 9841310110; 9965965975



EDUCATIONAL PROFILE

Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
B.E	Mechanical Engineering	April 1996	Thiagarajar College of Engineering, Madurai	Madurai Kamaraj University	67.44	First
M.E	Industrial Engineering	December 2001			69.1	First
Ph.D	Mechanical Engineering	July 2012	--	Kalasalingam Academy of Research and Education	-	-

Ph. D. Thesis : Design and Development of Intelligent Decision Support System for Supplier Evaluation and Selection in Process Industry

M.E. Thesis : An Artificial Neural Network approach to Forecast the Short term Sales – A Case Study

RESEARCH PROFILE

✚ No. of publications: (As on Nov 2021)

- Journal: 44
- International Conference: 68; National Conference: 24
- Editorial Board: 04
- Book: 01
- Book Chapter: 03

✚ Citation Details:

✚ Scopus:	✚ Web of Science	✚ Google Scholar:
○ Article: 31	○ Article: 29	○ Article: 45
○ Citation: 349	○ Citation: 276	○ Citation: 485
○ h index: 11	○ h index: 9	○ h index: 12

- ✚ No. of Research Scholars:
- Completed: 03
 - Ongoing: 11

TEACHING PROFILE

Name of the College	Experience		
	Designation	From	To
P.S.R Engineering College, Sivakasi	Professor	06.05.2013	Till Date
Kalasalingam Academy of Research and Education (Kalasalingam University) Krishnankoil	Associate Professor	01.09.2012	30.04.2013
	Senior Lecturer	01.07.2008	31.08.2012
	Lecturer	01.07.2007	30.06.2008
Arulmigu Kalasalingam College of Engineering, Krishnankoil	Lecturer	20.07.2006	30.06.2007
RL Institute of Nautical Sciences, Madurai	Lecturer	01.02.2002	19.07.2006
Arasan Ganesan Polytechnic, Sivakasi	Lecturer	05.11.1998	31.08.2000
Priyadharshini Engineering College, Vaniambadi	Lecturer	05.11.1997	30.04.1998
RVS college of Engineering and Technology, Dindigul	Lecturer	23.09.1996	31.05.1997

LIST OF PUBLICATIONS

JOURNALS:

1. **Pitchipoo P.**, Gururaj C., and Rajakarunakaran S., (2021) “A Review of research Outcomes on Fabrication methods and Investigations for evaluating fracture behaviours of Aluminium metal matrix composites with its applications”, Mechanics of Advanced Composite Structures (In Print), <https://doi.org/10.22075/mac.s.2021.20833.1274>
2. Sundarrajan D., **Pitchipoo P.** and Manoharan S., (2021) “Sustainable characterization of silane treated and untreated Psidium guajava stem natural fibers based automobile brake pads” Journal of Natural Fibers, <https://doi.org/10.1080/15440478.2021.1958429>.
3. **Pitchipoo P.**, Muthiah A., Jeyakumar K. and Manikandan A., (2021) “Friction stir welding parameter optimization using novel multi objective dragonfly algorithm”, International Journal of Lightweight Materials and Manufacture, Vol. 4, No. 4, pp. 460-467. DOI: <https://doi.org/10.1016/j.ijlmm.2021.06.006>

4. Sankarasubramanian M and **Pitchipoo P.**, (2021) “Characterization of cissus quadrangularis fiber polymer composites along with properties analysis”, *Materials Research Express*, Vol. 8, 065308. DOI: <https://doi.org/10.1088/2053-1591/ac0b7a>
5. Muthiah A., Ajith A., **Pitchipoo P.**, Durkaieswarn P. and Kalimuthu M., (2021) “Experimental Investigation on AL 6061 – T6 Alloy Welded Joints by Friction Stir Welding”, *International Journal of Science Technology and Engineering*, Vol.7, No. 9, pp. 6-10.
6. Sundarrajan D., Ganeshkumar M., **Pitchipoo P.**, Muthiah A and Amuthakannan P., (2021) “Simulation for Enhancing the Performance of Solar PV Module Using Passive Cooling”, *International Journal of Science Technology and Engineering*, Vol.7, No. 9, pp. 11-15.
7. Senthilkumar S., Sudhakarapandian R., **Pitchipoo P.**, Rajakarunakaran S. and S. Rajesh (2021), “Investigation of Al-Mg based Composite incorporated with MoS₂ through Powder Metallurgy”, *Journal of Process Mechanical Engineering*, Vol. 235, No. 4, pp. 986-996. <https://doi.org/10.1177/0954408920985761>
8. Ragavan R. and **Pitchipoo P.**, (2020) “Evaluation and modeling the static and free vibrational behaviours of AA3003/CFRP honeycomb sandwich structures”, *Materials Research Express*, Vol. 7, No. 10, 105604, DOI: <https://doi.org/10.1088/2053-1591/abbfc0>
9. Sundarrajan D., **Pitchipoo P.** and Manoharan S., (2020) “Synergistic effect of steel slag-molybdenum disulfide particles on fade-recovery performances of non-asbestos organic friction material” *Industrial Lubrication and Tribology*, Vol.73, No. 2, <https://doi.org/10.1108/ILT-06-2020-0216>
10. Vignesh M., Karthikeyan L, Amudhan K., Prabu ram G. and **Pitchipoo P.**, (2020), “Safe Design and Analysis of Motorcycle Leg Guard Under Dynamic Conditions”, *Journal of Green Engineering*, Vol. 10, No. 7, pp. 4244–4256
11. Karthikeyan R and **Pitchipoo P.**, (2020) “Evolution of smart pedagogies with digital gadgets”, *International Education and Research Journal*, Vol. 6, No. 3, pp. 30-33
12. Senthilkumar S., Sudhakarapandian R., and **Pitchipoo P.**, (2020), “A Study on Tribological and Lubricant Behaviors of Al-Mg Alloy Incorporated with MoS₂ Particulates”, *Materials Research Express*, Vol. 7, No. 1, 016578 <https://doi.org/10.1088/2053-1591/ab6a4e>.
13. Yogeswaran R. and **Pitchipoo P.**, (2020), “Characterization and Machining Analysis of AA3003 Honeycomb Sandwich”, *Material Today Proceedings*. Vol. 28, 4pp. 4-7, <https://doi.org/10.1016/j.matpr.2019.12.101>
14. **Pitchipoo P.**, Jebakani, D. and Krishnaveni A, (2019) “Novel Optimization of Friction Welding Parameters to Improve Mechanical Properties”, *SSRN Electronic Journal*, Elsevier, <http://dx.doi.org/10.2139/ssrn.3653416>
15. Muthiah A., **Pitchipoo P.** and Rajkumar R., (2018), “Hybridization of Firefly and Ant Colony Optimization Algorithm for Job Shop Scheduling”, *Journal of the Balkan Tribological Association*, Book 4, pp. 654-663.
16. Gomathisankar M., Gangatharan M. and **Pitchipoo P.**, (2018), “A novel optimization of friction stir welding process parameters on Aluminum alloy 6061-T6”, *Materials Today: Proceedings*, Vol. 5, No. 6, pp. 14397-14404. <https://doi.org/10.1016/j.matpr.2018.03.025>

17. **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
18. Mayandi K, Rajini N, **Pitchipoo P**, Winowlin Jappes J.T and Varada Rajulu A, (2018), "Properties of Untreated and Chemically Treated Cissus Quadrangularis Natural Fibers and Their Composites with Polyester as the Matrix", *Polymer Composites*, Vol. 39, No. 3, pp. 876-886, <https://doi.org/10.1002/pc.24011>.
19. Kavitha S., Venkumar P., Rajini N and **Pitchipoo P**, (2018) "An Efficient Social Spider Optimization for Flexible Job Shop Scheduling Problem", *Journal of Advanced Manufacturing Systems*, Vol. 17, No. 02, pp. 181-196. <https://doi.org/10.1142/S0219686718500117>
20. 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, <https://doi.org/10.1016/j.ssci.2017.09.011>
21. Vincent D.S., **Pitchipoo P.**, Rajini N., and Rajakarunakaran S., (2018) "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, DOI: 10.1504/IJCAET.2018.088823
22. **Pitchipoo P.**, Vincent D.S., and Rajakarunakaran S., (2017) "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, <https://doi.org/10.1504/IJCAET.2017.083388>
23. 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.
24. 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
25. 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
26. 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.
27. **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. <https://doi.org/10.7307/ptt.v28i1.1614>
28. 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. <https://doi.org/10.1080/1023666X.2016.1132064>

29. 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. DOI: <http://dx.doi.org/10.4273/ijvss.7.4.03>
30. 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. <https://doi.org/10.4028/www.scientific.net/AMM.813-814.456>
31. 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. <https://doi.org/10.4028/www.scientific.net/AMM.813-814.172>
32. 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. <https://doi.org/10.1016/j.mtcomm.2015.08.001>
33. 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. <https://doi.org/10.1177/0731684415570045>
34. 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.
35. **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, <https://doi.org/10.1007/s00170-014-6406-2>
36. **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. DOI: <https://doi.org/10.1016/j.proeng.2014.12.383>
37. 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. DOI: <https://doi.org/10.1155/2013/213914>
38. **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. DOI: <https://doi.org/10.1080/00207543.2012.756592>
39. 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. DOI: <https://doi.org/10.1515/polyeng-2012-0151>

40. **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. DOI: <https://doi.org/10.1186/2251-712X-9-23>
41. 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. DOI: <https://doi.org/10.1080/00207543.2011.624560>
42. **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. DOI: <http://dx.doi.org/10.1504/IJCAET.2011.042359>
43. **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. DOI: <http://dx.doi.org/10.36039/AA112011001>
44. **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.

BOOKS / BOOK CHAPTERS PUBLICATIONS

1. **Pitchipoo P.**, Muthiah A., Manikandan A., and Rajakarunakaran S., (2021) “Tribological Behaviour of Hybrid Natural Fiber Polymer Composites with Novel Fillers”, Composite Materials: Manufacturing Technology and Experimental Applications, Bentham Science publishers, UAE.
2. Manikandan A., **Pitchipoo P.**, Muthiah A. and Rajkumar R., (2020) “Influence of Various Chemical Treatments on Physicochemical Properties of Cotton Shell Fibers”, Recent Developments in Computing, Electronics and Mechanical Sciences, ANVI Books & Publishers, Delhi, PP. 273-285.
3. Manikandan A., **Pitchipoo P.**, Muthiah A. and Rajkumar R., (2020) “Prediction of Wear Performance of Natural Fiber Reinforced Polymer Composites”, Recent Developments in Computing, Electronics and Mechanical Sciences, ANVI Books & Publishers, Delhi, PP. 286-300.
4. **Pitchipoo P.**, Marichamy P. and Johnson Raja S., (2019) “Fireworks Production and Safety”, First Edition, Shanlax Publications, Madurai, ISBN: 978-93-88398-86-6

PATENTS

1. Low cost impact sensitivity tester for pyrotech chemicals - 202141004599 A (Published)
2. Solar operated riddle machine - 202141004598 A (Published)
3. Novel power generator for automobiles - 201941012314 A (Published)

INTERNATIONAL CONFERENCE PUBLICATIONS

1. **Pitchipoo P**, Muthiah A, Manikandan A and Jeyakumar K., “Parameter Optimization of Friction Stir welding of Aluminium Alloy-AA 5083 Using Novel Ant Lion Algorithm”, International Conference on Energy and Materials Technologies (ICEMT 2021), SSN College of Engineering, Chennai. August 20-21, 2021.
2. Ragavan R., **Pitchipoo P.**, and Siva I., “Analysis of Mechanical Behavior of AA3003/CFRP Honeycomb Sandwich”, AICTE Sponsored online International Conference on “Materials, Manufacturing, Robotics, Automation, Artificial Intelligence and Networking for Industry 5.0” (ICM RAIN-2021), Excel Engineering College, Tamil Nadu, India, January 28-29, 2021
3. Karthikeyan R and **Pitchipoo P.**, “3D Printing Process Parameter Optimization using a Metaheuristic Optimization algorithm based on Tabu Search Method”, AICTE Sponsored online International Conference on “Materials, Manufacturing, Robotics, Automation, Artificial Intelligence and Networking for Industry 5.0” (ICM RAIN-2021), Excel Engineering College, Tamil Nadu, India, January 28-29, 2021
4. Karthikeyan L., Amudhan K., Rajakarunakaran S. and **Pitchipoo P.**, “Design and analysis of motorcycle leg guard under dynamic conditions”, International Web Conference on Smart Engineering Technologies 2020 (IWCSET 2020), Ramco Institute of Technology, Rajapalayam, June 26-27, 2020.
5. Yogeswaran R. and **Pitchipoo P.**, (2019), “Characterization and Machining Analysis of AA3003 Honeycomb Sandwich”, International Conference on Advanced Materials and Nanotechnology (AMN-2020), Noida, India, February 20-22, 2020.
6. **Pitchipoo P.**, Jebakani D and Krishnaveni A. “Novel Optimization of Friction Welding Parameters to improve Mechanical Properties”, International Conference on Sustainable Development, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, December 18-20, 2019.
7. Ragavan R and **Pitchipoo P**, “Experimental and Analysis of Mechanical Performance of AA3003/CFRP Honeycomb Sandwich”, International Conference on Sustainable Development, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, December 18-20, 2019.
8. **Pitchipoo P**, Ragavan R and Yogeswaran R, “Characterization and machining analysis of aa3003 honeycomb sandwich”, International Conference on Sustainable Development, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, December 18-20, 2019
9. Karthikeyan R. and **Pitchipoo P.**, “A case study on the Additive Manufacturing Technology Applications in Healthcare and Automotive sectors”, International Conference on Sustainable Development, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, December 18-20, 2019.
10. Ebenezer Sathish Paul P. and **Pitchipoo P**, “Improving the tribo mechanical properties of polymer-matrix nanocomposites and its reinforcement: a review”, International Conference on Sustainable Development, Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, December 18-20, 2019.

11. Sundarrajan D, **Pitchipoo P**, Anantharaj B, Jothipandi K and Medaimani M, “Experimental analysis of rinsten spring for MS, SS, Cr materials”, First International Conference on Recent Innovation in Mechanical Engineering (ICRIME’19), Francis Xavier Engineering College, Tirunelveli, March 8, 2019.
12. Ragavan R, **Pitchipoo P**, and Siva I, “Investigation on mechanical behaviour of AA3003/CFRP honeycomb sandwich structure”, First International Conference on Recent Innovation in Mechanical Engineering (ICRIME’19), Francis Xavier Engineering College, Tirunelveli, March 8, 2019.
13. Karthikeyan R. and **Pitchipoo P.**, “Implementation of cuckoo search algorithm in the process parameter optimization of FDM process”, First International Conference on Industry 4.0 (ICI – 4.0) – An Ensemble of Transpiring Cyber Physical Systems, Coimbatore Institute of Technology, Coimbatore, January 09-11, 2019.
14. Ragavan R, **Pitchipoo P** and Siva I., “Evaluation of Mechanical Performance of AA3003/CFRP Honeycomb Composites”, International Conference on Advanced Materials and Manufacturing Process for Strategic Sectors (ICAMPS 2018), Thiruvananthapuram, Kerala, October 25-27, 2018.
15. Ragavan R, **Pitchipoo P** and Siva I., “Analysis and Mechanical Properties of AA3003 Honeycomb with Carbon Fiber”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018.
16. Ragavan R, **Pitchipoo P.**, Siva I., and Vairakumar V., “Effect of Core Thickness on the Velocity Properties of CFRP/AA Honeycomb Sandwich Panel”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018.
17. Karthikeyan R. and **Pitchipoo P.**, “Evolution of Smart Pedagogies with Digital Transformations”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018.
18. Muthiah A, **Pitchipoo P** and Ananthan M., “Hybridization of Firefly and Lion Optimization Algorithm for JSSP”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018.
19. **Pitchipoo P.**, and Ragavan R., “Three Axes Feed Programmable CNC Milling Machine”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018.
20. **Pitchipoo P.**, and Ragavan R., “Software Integration System for a CNC Milling Machine”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018
21. **Pitchipoo P.**, and Ragavan R., “Three Axes Feed Programmable CNC Milling Machine”, International Conference on Recent Trends in Engineering Education, P.S.R. Engineering College, Sivakasi, October 05, 2018
22. **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
23. **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 Academy of Research and Education , Krishnankoil, Tamilnadu, March 05-06, 2018
24. Mahendran K, Muthiah A, and **Pitchpoo P**, Rajkumar R, “Firefly Algorithm For Solving Job Shop Scheduling Problem” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 25. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 26. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 27. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 28. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 29. **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 Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 30. **Pitchipoo P.**, and Ragavan R., “Evaluation of mechanical characteristics of Al3003/CFRP honeycomb” International Conference on Advanced Manufacturing and Automation (INCAMA-2018), Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu, March 05-06, 2018
 31. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 05-06, 2018
 32. 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
 33. **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.

34. 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.
35. 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.
36. 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
37. **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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 27-28, 2017.
38. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 27-28, 2017.
39. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 27-28, 2017.
40. 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.
41. **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.
42. 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.
43. 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.

44. 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.
45. 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.
46. **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, Levengipuram, March 27-28, 2015.
47. **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.
48. **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
49. **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
50. **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, Levengipuram, April 11-12, 2013, 2013.
51. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 28-30, 2013.
52. **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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 28-30, 2013.
53. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, India, March 28-30, 2013.
54. **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.
 55. **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.
 56. **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]
 57. **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
 58. **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.
 59. **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]
 60. 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 Academy of Research and Education, Krishnankoil, Tamilnadu, India March 24 – 26, 2011: ISBN: 978-81-921249-1-9
 61. **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.
 62. **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].
 63. **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.

64. **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, Nagercoil, April 7-8, 2010 [Vol. 2, pp. 77 – 80]. [ISBN: 978-81-907917-3-1]
65. **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]
66. **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 Academy of Research and Education, Krishnankoil, March 26 – 28, 2009.
67. **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]
68. **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]
69. **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. Karthikeyan R. and **Pitchipoo P.**, “3D Printing Process Parameter Optimization Using Scatter Search Method”, National level technical symposium – INDCON 2019, College of Engineering, Guindy, Anna University, Chennai, March 7-9, 2019.
2. 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
3. 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.
4. 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.

5. 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
6. **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
7. 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
8. 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
9. 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
10. **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.
11. 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
12. 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.
13. **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.
14. 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.
15. **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.

16. **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.
17. 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.
18. **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.
19. 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.
20. Vincent D.S., **Pitchipoo P.**, Rajini N. and Rajakarunakaran S., “Fuzzy based optimization to reduce the blind spots in heavy transport vehicles”, 1st National Conference on Technological Advances in Mechanical Engineering (TAME 2015), Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai, August 20, 2015
21. 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.
22. **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
23. 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
24. **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 Academy of Research and Education , Krishnankoil Tamil Nadu, India during March 12-13, 2008.

DETAILS OF PROJECT PROPOSALS SANCTIONED

S. No	Title	Amount (INR)	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	Amount (INR)	Funding Agency
1	Agricultural waste utilization through biochar composites for thermal and electromagnetic shielding application (As Principal Investigator)	31,01,000	SERB, New Delhi
2	Enhancing the safety and green aspects of fireworks through optimization of manufacturing parameters(As Principal Investigator)	20,54,400	Department of Science and Technology (DST), New Delhi
3	Smart And Efficient Energy Storage System For Residential Usage And Rural Agriculture Fields With Off Grid Collective Renewable Power Sources (As Co-Investigator)	53,70,000	SERB, New Delhi

THESIS GUIDED**Ph.D:**

S.No.	Candidate Name	Title/Area of Research	University	Year of Award
1.	Vincent D.S.	Optimization of Blindspot in Heavy Vehicles: A Multi Criteria Decision Making Approach	Kalasalingam Academy of Research and Education	2016
2.	Mayandi K	Development and Performance Analysis of Polymer Composites with some Newly Identified and Characterized Natural Fibres		2016
3.	Senthil Kumar S	Comprehensive Analysis on the Tribological and Machining Performance of Al-Mg Incorporated with MoS ₂ Through Powder Metallurgy	Anna University	2021

M.E., / M.Tech / M.S:

S.No.	Candidate Name	Title/Area of Research	University	Year of Award
1.	Ragavan R	Modelling and Development of Multi Criteria Decision Support System for Supplier Evaluation and Selection	Kalasalingam Academy of Research and Education	2012
2.	Saravanan S	Optimization of GMAW Parameters to Improve the Mechanical Properties	Anna University	2015
3.	Gomathisankar M	Optimization of Process Parameters on Friction Stir Welding of Aluminum Alloy 6061-T6	Anna University	2016
4.	Bhaskara Sethupathy A	Multi Objective Optimization of Milling Parameters in Aluminium 6061 & Fly Ash Composite	Anna University	2018
5.	Saravananarajan J	Experimental Analysis and Optimization of Parameters in WEDM on EN 47 Die Steel	Anna University	2018
6.	Ranjeet M	Performance and Characteristics Analysis of Pyrotech Fuse	Anna University	2019
7.	Vairakumar V	Effect of Core Thickness on the Velocity Properties of CFRP / AA Honeycomb Sandwich Panel	Anna University	2019
8.	Yogeswaran R	Characterization and Machining Analysis of AA3003 Honeycomb Sandwich	Anna University	2020

RESEARCH SCHOLARS

S.No.	Candidate Name		Title of Research	Status
1	Sanakarasubramanian M	July 2017	Evaluation of Tribo - mechanical properties of natural fiber composites	Confirmation Completed
2	Ragavan R	July 2017	Investigation on the machining performance of honeycomb sandwich structures under various service environment	
3	Karthikeyan R	July 2017	Optimization of 3D Printing Process Parameters using Meta-Heuristics	
4	Sundarrajan D	July 2018	Evaluation of mechanical and tribological properties of eco-friendly automotive brake pads	

5	Gururaj C	January 2019	Analysis on fracture behaviour of metal matrix composites	
6	Ebenezer Sathish Paul P	July 2019	Effect of inclusion of nanoscale GRAPHITE flakes in polymeric composites	Coursework completed
7	Karthikeyan B	January 2020	Studies on Dynamic Behavior of Hybrid Composites in Automotive Applications	
8	Saravananarajan S	January 2020	Optimization on Unconventional machining (Wire EDM) process	
9	Santhana Maruthu Pandian R	January 2020	Industry 4.0 in SMES - In the aspect of challenges in implementing technologies	Doing Coursework
10	Mauralikirishnan A	January 2021	Performance Investigation of Fibrous Composite Panel in Wide Band Sound Absorption	
11	Prabhakaran R	July 2021	Influence of Process Parameters on Additively Manufactured Reinforced Polymer (composite)Materials using Fusion Deposition Modeling (3D Printing Technique).	

Awards / RECOGNITIONS:

Awards:

- One among the "Top 20 Revolutionary Education Leaders for the year 2020" by ULektz, Chennai
- One among the "Top 50 Directors or Coordinators of IQAC across India for the year 2019" by ULektz, Chennai
- Engineering Excellence Award 2019-20 (Category: Award for Outstanding Contribution to Education) by Imperial Society of Innovative Engineers, India

Guest Editor:

- Associate Editor in the "Journal of Fuzzy Logic and Modeling in Engineering", Bentham Science Publishers, UAE
- For two special issues (Vol. 9, Issue 2, 2017 & Vol 10, Issue 6, 2018) in the "International Journal of Computer Aided Engineering and Technology" Inderscience Publishers, Switzerland
- 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

Advisory Committee:

- National Conference on Recent Trends in Manufacturing and Design Engineering (RTIMADE - 2013), Shanmuganathan Engineering College, Arasampatti, Pudukkottai.
- Second International Conference on New Achievements in Multidisciplinary Research (ICNAMR-2020), Coimbatore, February 21-22, 2020. (<https://icnamr.com/advisory-committee.php>)
- Third International Conference on Multidisciplinary Perspectives In Engineering & Technology (ICMPET-2020), Chennai, March 27 – 28, 2020. (<https://icmpet.com/advisory-committee.php>)
- International Conference on Automobile and Mechanical Engineering (AMME-2020), Dubai, April 06-08, 2021 (https://ammedubai.org/home/organizing_committee_members)
- International Conference on Technologies for Manufacture Less Polluting Green Crackers, IEI, Madurai, July 03-04, 2020.
- Third International Conference on trends in Material Science and Inventive Materials (ICTMIM 2021), JCT College of Engineering and Technology, Coimbatore, February 12-13, 2021 (<http://www.ictiie.com/2021/#committee>)
- Fourth International Conference on Inventive Material Science Applications (ICIMA 2021), PPG Institute of Technology, Coimbatore, April 28-29, 2021 (<http://icoimsa.com/2021/#committee>)

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

✚ List of Online Courses Completed:

S.No	Name of the Course	Offered by	
1.	Advanced Machining Processes	IIT – Guwahati	NPTEL
2.	Manufacturing Process Technology I & II	IIT - Kanpur	NPTEL
3.	Processing of Polymers and Polymer Composites	IIT-Roorkee	NPTEL
4.	Manufacturing of Composites	IIT - Kanpur	NPTEL
5.	CAD and Digital Manufacturing - Specialization	Autodesk	Coursera
6.	3D Model Creation with Autodesk Fusion 360	Autodesk	Coursera
7.	Autodesk Fusion 360 Integrated CAD/CAM/CAE	Autodesk	Coursera
8.	Engineering Design Process with Autodesk Fusion 360	Autodesk	Coursera
9.	Intro to Digital Manufacturing with Autodesk Fusion 360	Autodesk	Coursera
10.	Manufacturing Process with Autodesk Fusion 360	Autodesk	Coursera
11.	Supply Chain Principles	Georgia Institute of Technology	Coursera
12.	Supply Chain Logistics.	Rutgers the State University of New Jersey	Coursera
13.	Supply Chain Management	Rutgers the State University of New Jersey	Coursera
14.	Supply Chain Management Strategy	Rutgers the State University of New Jersey	Coursera
15.	Supply Chain Operations	Rutgers the State University of New Jersey	Coursera
16.	Supply Chain Planning	Rutgers the State University of New Jersey	Coursera
17.	Supply Chain Sourcing	Rutgers the State University of New Jersey	Coursera
18.	Digital Manufacturing & Design Technology Specialization	University at Buffalo and The State University of New York	Coursera
19.	Advanced Manufacturing Enterprise	University at Buffalo and The State University of New York	Coursera
20.	Advanced Manufacturing Process Analysis	University at Buffalo and The State University of New York	Coursera

21.	Cyber Security in Manufacturing	University at Buffalo and The State University of New York	Coursera
22.	Digital Manufacturing & Design	University at Buffalo and The State University of New York	Coursera
23.	Digital Thread Implementation	University at Buffalo and The State University of New York	Coursera
24.	Digital Thread: Components	University at Buffalo and The State University of New York	Coursera
25.	Intelligent Machining	University at Buffalo and The State University of New York	Coursera
26.	Model-Based Systems Engineering	University at Buffalo and The State University of New York	Coursera
27.	Roadmap to Success in Digital Manufacturing & Design	University at Buffalo and The State University of New York	Coursera
28.	3D Printing Applications	University of Illinois	Coursera
29.	Understanding Research Methods	University of London	Coursera
30.	Design Thinking for Innovation	University of Virginia	Coursera
31.	Design Thinking for the Greater Good Innovation in the Social Sector	University of Virginia	Coursera
32.	Psychological First Aid	John Hopkins University	Coursera
33.	Introduction to the Internet of Things	University of California	Coursera
34.	Introduction to Project Management	Rhyme Project	Coursera
35.	Intro to Scheduling	Rhyme Project	Coursera
36.	Moodle Test for Teachers	IIT Bombay	Spoken Tutorial
37.	Book writing	Elsevier	Elsevier
38.	Technical writing skills	Elsevier	Elsevier
39.	Writing skills	Elsevier	Elsevier
40.	Fundamentals of manuscript preparation	Elsevier	Elsevier
41.	Research collaborations	Elsevier	Elsevier
42.	Research data management	Elsevier	Elsevier
43.	Funding	Elsevier	Elsevier

GUEST LECTURE DELIVERED:

- ✚ Delivered a lecture on “**ARAS - A Novel Multi Objective Optimization Technique**” in a Faculty Development Program conducted by Government College of Engineering, Tirunelveli on 22nd September 2021.
- ✚ Delivered a lecture on “**Design of Experiments**” in a Faculty Development Program conducted by Government College of Engineering, Tirunelveli on 6th November 2017.
- ✚ Delivered a lecture on “**Design of Experiments**” in a Faculty Development Program conducted by Government College of Engineering, Tirunelveli on 6th September 2017.
- ✚ Delivered a lecture on “**AHP & COPRAS - Multi Criteria Optimization Methods – A step by step procedure**” in the One day national level Workshop on Advanced Optimization in Engineering & Technology (AOET – 14) conducted by CAPE Institute of technology, Leveengipuram, Nagerkovil, Tamil Nadu, India on 25th July 2014.
- ✚ Delivered a lecture on “**Design of Experiments**” in a Faculty Development Program on “**Probabilistic Design and Analysis Level – I**” conducted by Government College of Engineering, Tirunelveli on 24th September 2013.
- ✚ Delivered a lecture on “**Multi Criteria Decision Making**” in a Faculty Development Program on “**Recent Trends in CAD / CAM**” conducted by P.A.C. Ramasamy Raja Polytechnic College, Rajapalayam – 626108, Tamil Nadu, India on 19th November 2013.

MEMBERSHIP

- ✚ Life member in Indian Society for Technical Education (ISTE), India.
 - ISTE – LM59097
- ✚ Fellow member in International Society for Research and Development (ISRDR), UK
 - F3140900145
- ✚ Life member in International Association of Engineers (IAENG), Hong Kong
 - 228980

DETAILS OF EVENTS ORGANIZED

- ✚ Organizing Chair for Sixth National Conference on Research & Advances in Mechanical Engineering (RAME’19), P.S.R. Engineering College, Tamil Nadu, India, March 29, 2019
- ✚ Organizing Chair for TNSCST Sponsored Fifth National Conference on Research & Advances in Mechanical Engineering (RAME’18), P.S.R. Engineering College, Tamil Nadu, India, March 29, 2018
- ✚ Organizing Chair for CSIR Sponsored Fourth National Conference on Research & Advances in Mechanical Engineering (RAME’17), P.S.R. Engineering College, Tamil Nadu, India, March 31, 2017
- ✚ Organizing Chair for Third National Conference on Research & Advances in Mechanical Engineering (RAME’16), P.S.R. Engineering College, Tamil Nadu, India, March 31, 2016
- ✚ Organizing Chair for Second National Conference on Research & Advances in Mechanical Engineering (RAME’14), P.S.R. Engineering College, Tamil Nadu, India, March 28 & 29, 2014

- ✚ Coordination Committee Convener for International Conference on International Conference on Advanced Manufacturing and Automation (INCAMA 2013), will be conducted during March 22 – 24, 2013
- ✚ Treasurer for the National level technical symposium “INGENIA 2011” organized by KLU – ISTE student Chapter on 15-10-11.
- ✚ Treasurer for the National level technical symposium “REVELATION 2011 organized by KLU – ISTE student Chapter on 02-04-11.
- ✚ Coordination Committee member for International Conference on Thermal Energy and Environment (INCOTEE 2011) which will be conducted on March 24 - 26, 2011.
- ✚ Treasurer for the National level technical symposium “INGENIA 2010” organized by KLU – ISTE student Chapter on 23-10-10.
- ✚ Treasurer for the National level technical symposium “REVELATION 2010” organized by KLU – ISTE student Chapter on 17-04-10.
- ✚ Joint Secretary for two days DRDO sponsored workshop on Supply Chain Management [WSCM 2010] to be held on April 15 -16, 2010.
- ✚ Treasurer for the National level technical symposium on Recent Trends in Technology (NSRTT’09) organized by KLU – ISTE student Chapter on 12-09-09.
- ✚ Joint Secretary for one day workshop on Research Issues on Supply Chain Management [WRISCM 2009] on July 31, 2009.
- ✚ Treasurer for International Conference on Advanced Manufacturing and Automation (INCAMA 2009), conducted during March 26 – 28, 2009
- ✚ Coordinator for the National level Technical Symposium on Recent Trends in Technology (NSRTT’08) organized by KLU – ISTE student Chapter on 27.09.08.
- ✚ Coordinator for the National level Technical Symposium on Emerging Trends in Technologies [NCET – 08] organized by KLU – ISTE student Chapter on 23.03.08.
- ✚ Coordination Committee member for National Conference on Challenges and Innovative Practice on Design, Manufacturing and Materials (NCCIPDMM 2008) conducted during March 12-13, 2008
- ✚ Coordinator for the National conference on Emerging Trends in Technologies [NCET – 07] organized by KLU – ISTE student Chapter

PERSONAL DETAILS

Name : **Dr. P. PITCHIPOO**
 Date of Birth : 19.03.1975
 Sex : Male
 Address : 1228, Soundra Pandianar Nagar,
 Malayadipatti,
 Rajapalayam. 626 117, Tamil Nadu, India.
 Mobile : 9841310110
 E-Mail : drpitchipoo@gmail.com



Dr. P. Pitchipoo