

PROFORMA FOR BIO-DATA

1. Name and full correspondence address: Dr.K.PANNEERSELVAM,
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Tamil Nadu, India,
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2. Email(s) and contact number(s) :kps@nitt.edu and Ph.9952842776
3. Institution : National Institute of Technology,
Tiruchirappall-620015
Tamil Nadu,India,
4. Date of Birth :21/12/1975
5. Gender (M/F/T) :Male
6. Whether differently abled (Yes/No) :NO
7. Academic Qualification (Undergraduate Onwards):

S. No.	Degree	Year	Subject	University/Institution	% of marks/CGPA
1	B.E.	1998	Bachelor's Degree in Production Engineering	Regional Engineering College, Tiruchirappalli-15	72.06
2	M.E.	2003	Master's Degree in Manufacturing technology	Regional Engineering College, Tiruchirappalli-15	9.33
3	Ph.D.	2009	Ph.D. Degree	National Institute of Technology, Tiruchirappall-620015	-

8. Ph.D thesis title, Guide'S Name, Institute/Organization/University, Year of Award.

Degree	Title of the thesis	Guide'S Name	Institute/Organization /University	Year of Award
Ph.D.	Experimental investigation on Thermoplastics/Thermoplastic composite joints and Optimization of process parameters	Dr.A.NoorulHaq and Dr.S.Aravindan	National Institute of Technology, Tiruchirappall-620015	2009

9. Work experience (in chronological order).

S. No.	Positions held	Name of the Institute	From	To	Pay Scale
4	Associate Professor	Department of Production Engineering National Institute of Technology, Tiruchirappalli – 15	12-03-2018	Till date	Pay level :13A2(3) (basic pay:148100)
3	Assistant Professor	Department of Production Engineering National Institute of Technology, Tiruchirappalli – 15	3-5-2006	11-03-2018	15600-39100(7000)
2	Assistant Professor	Department of Mechanical Engineering National Institute of Technology Calicut, Calicut 673 601	17-8-2005	2-5-2006	15600-39100(6000)
1	Research Associate*	Department of Production Engineering National Institute of Technology, Tiruchirappalli – 15	5-2-2003	16-8-2005	6500 consolidate pay

10. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant.

NIL

11. Publications (List of papers published in SCI Journals, in year wise descending order).

Sl.No	Authors	Publications	Type of Paper	Journal/Proceedings	Vol/Year/Page Numbers
1.	S.Mohan K.Panneerselvam	Development and investigation of antibacterial and antioxidant characteristics of poly lactic acid films blended with neem oil and curcumin	Article	Journal of applied polymer science	139,2022,5189-1
2.	S.Mohan K.Panneerselvam	Preparation and characterization of polylactic acid/fenugreek essential oil/curcumin composite films for food packaging applications	Article	International journal of biological macromolecules	194,2022,470-483
3.	S.Mohan K.Panneerselvam	Development of polylactic acid based functional films reinforced with ginger essential oil and curcumin for food packaging applications	Article	Journal of Food Measurement and Characterization	2022, 1-13
4.	Mohan, S., Unnikrishnan, T. G., Dubey, U., Ramesh, M., & Panneerselvam, K	Development and Characterization of Mustard Oil Incorporated Biodegradable Chitosan Films for Active Food Packaging Applications	Article	Journal of Polymers and the Environment	2022, 1-14

Sl.No	Authors	Publications	Type of Paper	Journal/Proceedings	Vol/Year/Page Numbers
5.	S.Mohan K.Panneerselvam	A short review on mechanical and barrier properties of polylactic acid-based films	Article	Materials Today	56,2022,3241-3246
6.	Unnikrishnan, T. G K.Panneerselvam	Multi-output optimization and characterization of molybdenum disulfide coated coir fiber using osmosis surface coating technique	Article	Composite Interfaces	2022,1-21
7.	Unnikrishnan, T. G K.Panneerselvam	A review study in ultrasonic welding of similar and dissimilar thermoplastic polymers and its composites	Article	Materials Today	56,2022,3294-3300
8.	Unnikrishnan, T. G K.Panneerselvam	Entropy-based Taguchi-Grey relational analysis for multi-output optimization of coating parameters in MoS ₂ -coated sugar palm fiber and its characterization	Article	Journal Of Industrial Textiles	51,2022,3347 S-3371S
9.	Ramesh, M., Panneerselvam, K	Influence of polybenzimidazole nanoparticle on the thermo-mechanical characteristics of high-density polyethylene composite	Article	Physica Scripta	97(3),2022,03 5706
10.	Ramesh, M., Panneerselvam, K	Welding analysis and optimization of ultrasonic welding in HDPE-5% PBI composite by CODAS decision-making approach	Article	Physica Scripta	97(9),2022, 095703
11.	SudhirKumar, D.Jafrey DanielJames, K.Panneerselvam and Barnik Saha Roy	Tribological studies of glass filled Nylon 6 composites in self-mated contacts and against AISI D2 steel disc	Conference	Materials Today	44, 2021, 1939-1943
12.	R.Thirumalai, M.Seenivasan and K.Panneerselvam	Experimental investigation and multi response optimization of turning process parameters for Inconel 718 using TOPSIS approach	Conference	Materials Today	45, 2021, 467-472
13.	Sivaprasad P.V.; Panneerselvam K.; Noorul Haq A.	A comparative assessment in sequential μ -drilling of Hastelloy-X using laser in combination with μ -EDM and μ -ECM	Article	Journal of the Brazilian Society of Mechanical Sciences and Engineering	43, 2021
14.	E.JensonJoseph K.Panneerselvam	Manufacturing and Characterization of Tungsten Particulate-Reinforced AW106 Epoxy Resin Composites	Article	Transactions of the Indian Institute of Metals	74, 2021, 817-825
15.	Jenson Joseph E and K Panneerselvam	Investigation on the influence of tungsten particulate in mechanical and thermal properties of HD50MA180 high density polyethylene composites	Article	Materials Research Express	7, 2020
16.	D. JAFREY DANIEL and K.PANNEERSELVA M	Process parameters optimization for friction vibration joining of polypropylene/spheri glass composites using topsis	Article	Surface Review and Letters	27, 2020
17.	J. VinodhJose K.Panneerselvam	Joining of PEEK plates by friction stir welding process	Conference	Materials Today	39, 2020, 1635-1639

Sl.No	Authors	Publications	Type of Paper	Journal/Proceedings	Vol/Year/Page Numbers
18.	E.Jenson Joseph K.Panneerselvam	Effect of particulate fillers on mechanical, metallurgical and abrasive behavior of tungsten reinforced HDPE composites: A Taguchi approach	Conference	Materials Today	39, 2020, 1228-1234
19.	Jafrey Daniel D and Panneerselvam K	Experimental investigation and optimization of abrasive wear characteristics of polypropylene nanocomposites	Article	Materials Research Express	7, 2020
20.	Raghavendra, T.;Panneerselvam, K.	A NOVEL STUDY on SURFACE MODIFICATION of PALMYRA FIBERS for ENHANCING MECHANICAL and THERMAL PROPERTIES	Article	Surface Review and Letters	27, 2020
21.	S.Mohan K.Panneerselvam	An investigation on antibacterial filler property of silver nanoparticles generated from Walnut shell powder by insitu process	Conference	Materials Today	39, 2020, 368-372
22.	T Raghavendra, K Panneerselvam	Mechanical and Thermal Characterization of Camphor Soot Embedded Coir Fiber Reinforced Nylon Composites	Article	Fibers and Polymers	21, 2020, 2569-2578
23.	Jafrey Daniel, D. Panneerselvam, K.	Investigation on Thermal and Tribological Properties of Polypropylene/Spheri Glass 3000 Composites Processed by Melt Intercalation Method	Article	Silicon	11, 2019, 2885-2894
24.	Raghavendra T.	A Novel Study on Thermal Stability of Camphor Soot Reinforced Coir Fibers	Article	Fibers and Polymers	19, 2018, 1567-1575
25.	Kamal Babu, K. Panneerselvam, K. Sathiya,P Noorul Haq, A. Sundarrajan, S. Mastanaiah,P. Srinivasa Murthy, C. V.	Microstructure evaluation on friction stir welding of cryorolled 2219 aluminum alloy	Article	Journal of Testing and Evaluatio	47, 2018
26.	Jafrey, Daniel D. Panneerselvam, K.	Experimental investigation of resistance welded polypropylene nanocomposite joints	Article	Journal of Adhesion Science and Technology	32, 2018, 2350-2363
27.	Shunmugesh, K.;Panneerselvam, K.	Multi-performance optimization of micro-drilling using taguchi technique based on membership function	Article	Indian Journal of Engineering and Materials Sciences	25, 2018, 383-390
28.	Daniel, D. Jafrey; Panneerselvam, K.	Investigation on the effects of Cloisite 30B and copolymer (ethylene and butyl acrylate) reinforcement with polypropylene thermoplastic by melt intercalation method	Article	Journal of Thermoplastic Composite Materials	31, 2018, 1371-1392
29.	Shunmugesh,K.; Panneerselvam, K.	Multi-performance Optimization of Drilling Carbon Fiber Reinforced Polymer Using Taguchi: Membership Function	Article	Transactions of the Indian Institute of Metals	71, 2018, 1615-1627

Sl.No	Authors	Publications	Type of Paper	Journal/Proceedings	Vol/Year/Page Numbers
30.	Daniel, D. Jafrey; Panneerselvam, K.	Abrasive wear of polypropylene/Cloisite 30B/Elvaloy AC 3427 nanocomposites	Article	Journal of Composite Materials,	52, 2018, 1833-1843
31.	Kamal Babu, K. Panneerselvam, K. Sathiya, P. Noorul Haq, A. Sundarrajan, S. Mastanaiah, P. Srinivasa Murthy, C. V.	Corrosion properties of cryorolled aa2219 friction stir welded joints using different tool pin profiles	Article	Surface Review and Letters	25, 2018
32.	Kumar, Sudhir; Panneerselvam, K.	Investigations on dry sliding wear behaviour of nylon-6 and GFR nylon-6 composites using Taguchi technique	Article	Indian Journal of Engineering and Materials Science	25, 2018, 89-97
33.	Daniel, D. Jafrey; Panneerselvam, K.	Mechanical Properties of Polypropylene Nanocomposites: Dispersion Studies and Modelling	Article	Transactions of the Indian Institute of Metals	71, 2018, 225-230
34.	Kamal Babu, K.; Panneerselvam, K.; Sathiya, P.; Noorul Haq, A.; Sundarrajan, S.; Mastanaiah, P.; Srinivasa Murthy, C. V.	Parameter optimization of friction stir welding of cryorolled AA2219 alloy using artificial neural network modeling with genetic algorithm	Article	International Journal of Advanced Manufacturing Technology	94, 2018, 3117-3129
35.	Kamal Babu, K.; Panneerselvam, K.; Sathiya, P.; Haq, A. Noorul; Sundarrajan, S.; Mastanaiah, P.; Srinivasa Murthy, C. V.	Influences of metastable θ'' , θ' and stable θ intermetallics formed during cryorolling and friction stir welding process on AA2219	Article	Journal of Alloys and Compounds	732, 2018, 624-629
36.	Kamal Babu, K; Panneerselvam, K; Sathiya, P; Noorul Haq, A; Sundarrajan, S; Mastanaiah, P; Srinivasa Murthy, C. V	Effects of various tool pin profiles on mechanical and metallurgical properties of friction stir welded joints of cryorolled AA2219 aluminium alloy	Article	Metallurgical Research and Technology	115, 2018
37.	Shunmugesh, K. Panneerselvam, K.	Investigation and optimization of machining parameters in drilling of carbon fiber reinforced polymer (CFRP) composites	Article	Pigment and Resin Technology	46, 2017, 21-30
38.	Shunmugesh, K. Panneerselvam, K.	Optimization of drilling process parameters Via Taguchi, TOPSIS and RSA techniques	Article	Archives of Metallurgy and Materials	62, 2017, 1803-1812
39.	Jafrey, Daniel D.; Panneerselvam, Kavan	Study on Tensile Strength, Impact Strength and Analytical Model for Heat Generation in Friction Vibration Joining of Polymeric Nanocomposite Joints	Article	Polymer Engineering and Science	57, 2017, 495-504

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40.	Daniel, D. Jafrey; Panneerselvam, K.	Mechanical and Thermal Behaviour of Polypropylene/Cloisite 30B/Elvaloy AC 3427 Nanocomposites Processed by Melt Intercalation Method	Article	Transactions of the Indian Institute of Metals	70, 2017, 1131-1138
41.	Shunmugesh, K.; Panneerselvam, K.	Optimization of machining process parameters in drilling of CFRP using multi-objective Taguchi technique, to PSIS and RSA techniques	Article	Polymers and Polymer Composites	25, 2017, 185-192
42.	Shunmugesh, K.; Panneerselvam, K.	Grey Relational Analysis Based Optimization of Multiple Responses in Drilling of Carbon Fiber-Epoxy Composites	Conference	Materials Today: Proceedings	4, 2017, 2861-2870
43.	Daniel, D. Jafrey; Panneerselvam, K.	Manufacturing Issues of Polypropylene Nanocomposite by Melt Intercalation Process	Conference	Materials Today: Proceedings	4, 2017, 4032-4041
44.	Babu, K. Kamal; Panneerselvam, K.; Sathiya, P.; Noorul Haq, A.; Sundarrajan, S.; Mastanaiah, P.; Srinivasa Murthy, C. V.	Effects of mechanical, metallurgical and corrosion properties of cryorolled AA2219-T87 aluminium alloy	Conference	Materials Today: Proceedings	4, 2017, 285-293
45.	Babu, K. Kamal; Panneerselvam, K.; Sathiya, P.; Haq, A. Noorul; Sundarrajan, S.; Mastanaiah, P.; Murthy, C. V. Srinivasa	EXPERIMENTAL INVESTIGATION on FRICTION STIR WELDING of CRYOROLLED AA2219 ALUMINUM ALLOY JOINTS	Article	Surface Review and Letters	24, 2017
46.	Shunmugesh, K.; Panneerselvam, K.	Machinability study of Carbon Fiber Reinforced Polymer in the longitudinal and transverse direction and optimization of process parameters using PSO-GSA	Article	Engineering Science and Technology, an International Journal	19, 2016, 1552-1563
47.	Jafrey Daniel, D.; Panneerselvam, K.	Modeling of tensile properties, dispersion studies, and hardness evaluation of Cloisite 30B in polypropylene with Elvaloy AC 3427 as compatibilizer	Article	Journal of Composite Materials	50, 2016, 3219-3227
48.	Shunmugesh, K.; Panneerselvam, K.	Optimization of process parameters in micro-drilling of Carbon Fiber Reinforced Polymer (CFRP) using taguchi and grey relational analysis	Article	Polymers and Polymer Composites	24, 2016, 499-506
49.	Sudhir kumar and K. Panneerselvam	Tribological properties of glass fiber reinforced nylon 6 against various counterparts	conference	international conference on advances in production and industrial engineering	2015, 359-364

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50.	Sudhir kumar and K. Panneerselvam	Dry sliding wear characteristics of pure and glass fiber reinforced nylon 6 against AISI D2 steel disc	conference	international conference on Advances in materials, Manufacturing and Applications	2015, 1003-1010
51.	Sudhir kumar and K. Panneerselvam	“Research on tribological behaviors of pure and glass fiber reinforced nylon 6 composites against polymer disc”	article	Journal of material science and mechanical engineering	Vol. 2, No. 6, 2015, 24-28
52.	Sudhir kumar and K. Panneerselvam	Multi objective optimization of friction and wear of pure and glass fiber reinforced nylon 6 composites using taguchi based grey relational technique”	article	Journal of material science and mechanical engineering	Vol. 2, No. 10, 2015, 7-11
53.	Sudhir kumar and K. Panneerselvam	Multi Objective Optimization of Tribological Property of Nylon 6 Composites using Hybrid Taguchi” Grey Relational Analysis and Cuckoo Search Algorithm	conference	ISME Conference,	2015
54.	Jafrey Daniel D and K. Panneerselvam	Mechanical Investigation of Friction Stir Welded Polymeric Nano composites Joints	conference	ISME Conference, Year 2015	2015
55.	Panneerselvam, K.; Lenin, Kasirajan	Parameters optimization in FSW of polypropylene based on RSM	Article	Multidiscipline Modeling in Materials and Structures	11, 2015, 32-42
56.	Panneerselvam, K., and K. Lenin.	"Parameters optimization in FSW of Polypropylene base on RSM	article	Multidiscipline modeling in Materials and Structures	11(1), 2014, 32 – 42.
57.	Jafrey Daniel D and K. Panneerselvam	An experimental investigation on polymeric nano composite material	conference	International and 26th All India Manufacturing Technology, Design and Research Conference, Year 2014	2014
58.	Lenin, K., K. Panneerselvam	Joining of Nylon 6 plate by friction stir welding process using threaded pin profile,	article	Materials and Design (Elsevier)	53, 2014, 302–307.
59.	K Lenin, H Abdul Shabeer, K Suresh Kumar and K Panneerselvam,	Process parameters optimization for friction welding of polypropylene materials using Taguchi’s approach,	article	Journal of Scientific & Industrial Research	73, 2014, 369-374.
60.	Shunmugesh K., Panneerselvam K., Pramod M. and Amal George	Optimization of CNC Turning Parameters with Carbide Tool for Surface, Roughness Analysis Using Taguchi Analysis,	article	Research Journal of Engineering Sciences	3(6), 2014, 1-7

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61.	Shunmugesh. K, Panneerselvam. K, Jospaul Thomas	A nova Based Optimization of Machining Parameters in Drilling of Glass Fiber Reinforced Polymer (GFRP) Composites,	article	International Journal of Emerging Engineering Research and Technology	2(3), 2014, 53-60.
62.	Shunmugesh K., Panneerselvam K., Pramod M. and Amal George	Optimization of Turning Parameters with Carbide Tool for Surface Roughness Analysis	article	International Journal of Emerging Engineering Research and Technology	2(2), 2014, 149-154.
63.	Shunmugesh K, Panneerselvam. K, Jospaul Thomas	Optimising Drilling Parameters Of GFRP By Using Grey Relational Analysis	article	International Journal of Research in Engineering and Technology	03(06), 2014, 302-305
64.	Panneerselvam, K.; Lenin, K.	Joining of Nylon 6 plate by friction stir welding process using threaded pin profile	Article	Materials and Design	53, 2014, 302-307
65.	Vijaykumar, Krishnasamy; Panneerselvam, Kavan; Sait, Abdullah Naveen	Machining parameter optimization of bidirectional CFRP composite pipe by genetic algorithm	Article	Materialpruefung/Materials Testing	56, 2014, 728-736
66.	Kumar, K. Vijay; Sait, A. Naveen; Panneerselvam, K.	Machinability study of hybrid-polymer composite pipe using response surface methodology and genetic algorithm	Article	Journal of Sandwich Structures and Materials	16, 2014, 418-439
67.	Lenin, K.; Shabeer, H. Abdul; Kumar, K. Suresh; Panneerselvam, K.	Process parameters optimization for friction stir welding of polypropylene material using taguchi's approach	Article	Journal of Scientific and Industrial Research	73, 2014, 369-374
68.	Shunmugesh.K, Panneerselvam K, Amal George	Optimization Of Turning Parameters With Carbide Tool For Surface Roughness Analysis Using Response Surface Methodology,	Article	International Journal Of Research In Aeronautical And Mechanical Engineering Optimization Of Turning Parameters	2(6), 2014, 17-27.
69.	K Vijay Kumar, A Naveen Sait, and K Panneerselvam,	Machinability study of hybrid-polymer composite pipe using response surface methodology and genetic algorithm,	Article	Journal of Sandwich Structures and Material	16(4), 2014, 418-439.
70.	K. Panneerselvam and K. Lenin,	Investigation of process parameters during FSW and FVW of casted Acrylic plate.	conference	International conference on Production and Industrial Engineering	2013, 36

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71.	K. Panneerselvam, K. Lenin and Sachin Kumar	Selection of FVW tool, feed rate and frequency for joining nylon 6 and polypropylene plates	conference	International conference on Production and Industrial Engineering	2013, 36
72.	K. Panneerselvam and K. Lenin,	Investigation of effects of Tool forces and joint defects during FSW of Nylon 6 Plate	conference	International conference of Advances in material processing and Characterization	2013, 713-724.
73.	K. Panneerselvam and K. Lenin	Effects and Defects of the Polypropylene plate for Different parameters in Friction stir welding process	Article	International journal of Research in Engineering and Technology	2(2), 2013, 143-152
74.	K. Panneerselvam and K. Lenin	Study on hardness and microstructural characterization of friction stir welded nylon 6 plate	Article	International Journal of Mechanical Engineering	2(2), 2013, 51-62.
75.	Lenin, K., K.Panneerselvam,	Optimizing the welding parameters of Friction stir welding by using resultant force and defects for Nylon 6 material	Article	International Journal of Mechanical Engineering	2(2), 2013, 77-84
76.	K. Panneerselvam and K. Lenin	Study on Friction stir welding of Nylon 6 plates.	conference	International Conference on Engineering, Technology and Management	2012, 101-105.
77.	K. Panneerselvam and K. Lenin	Optimizations of Friction Stir Welding Parameters for Nylon 6 material	conference	International Symposium for Research Scholars	2012, 47
78.	Sathiya, P.; Panneerselvam, K.; Soundararajan, R.	Optimal design for laser beam butt welding process parameter using artificial neural networks and genetic algorithm for super austenitic stainless steel	Article	Optics and Laser Technology	44, 2012, 1905-1914
79.	Sathiya, P.; Panneerselvam, K.; Abdul Jaleel, M. Y.	Optimization of laser welding process parameters for super austenitic stainless steel using artificial neural networks and genetic algorithm	Article	Materials and Design	36, 2012, 490-498
80.	K. Panneerselvam and K. Lenin	Investigation of Effect of tool Forces and joint defects during FSW of Polypropylene plate	Article	article Procedia Engineering	38, 2012, 3927-3940
81.	Panneerselvam, K.; Lenin, K.	Investigation on effect of tool forces and joint defects during FSW of polypropylene plate	conference	Conference Paper Procedia Engineering	38, 2012, 3927-3940
82.	Panneerselvam, K.; Aravindan, S.; Noorul Haq, A.	Study on resistance welding of glass fiber reinforced thermoplastic composites	Article	Materials and Design	41, 2012, 453-459

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83.	P.Sathiya, K.Panneerselvam and M.Y.AbdulJaleel	Process Parameter Optimization of the Argon shielded laser welding of super austenitic stainless steel	conference	International Conference on MetaComputing	2012
84.	K. Panneerselvam and K. Lenin,	Investigation of Effect of tool Forces and joint defects during FSW of Polypropylene plate.	conference	International conference on Modeling, optimization and Computing	2012
85.	P.Sathiya, K.Panneerselvam and M.Y.AbdulJaleel	“Process Parameter Optimization of the Argon shielded laser welding of super austenitic stainless steel”published in proceedings	conference	International Conference on MetaComputing	2011
86.	Panneerselvam, K.; Aravindan, S.; Noorul Haq, A.	Optimization of end milling parameters for glass fiber reinforced plastic (GFRP) using grey relational analysis	conference	Conference Program for the 3rd International Conference on Heterogeneous Materials Mechanics, ICHMM 2011	2011, 1104-1107
87.	Panneerselvam, K.; Aravindan, S.; Noorul Haq, A.	Advanced welding of composite material	conference	Conference Program for the 3rd International Conference on Heterogeneous Materials Mechanics, ICHMM 2011	2011, 1067-1071
88.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	OPTIMIZATION OF END MILLING PARAMETERS FOR GLASS FIBER REINFORCED PLASTIC (GFRP) USING GREY RELATIONAL ANALYSIS”,	conference	Conference Program for the 3rd International Conference on Heterogeneous Materials Mechanics, ICHMM 2011	2011
89.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Advanced Welding of Composite Material”,i	conference	International Conference on Heterogeneous Material Mechanics	2011, 1067-1071
90.	K.Panneerselvam, K.Pradeep and P.Asokan	Taguchi multi-performance characteristics optimization in milling of glass fiber reinforced plastic (GFRP) composites using utility concept	conference	International Conference on Computational Methods in Manufacturing	2011
91.	Sathiya, P.; Aravindan, S.; Haq, A. Noorul; Panneerselvam, K.	Optimization of friction welding parameters using evolutionary computational techniques	Article	Journal of Materials Processing Technology	209, 2009, 2576-2584

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92.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	“Joining of thermoplastic by frictional vibration”,	Article	Journal of Modern Manufacturing Technology	1(1),, 2009, 83-92
93.	K.Panneerselvam, S.Aravindan and A.NoorulHaq,	“A Heuristic Approach For a Real Time - Mixed Model Assembly Systems To Reduce Idle Time And Material Handling Cost”,	Article	A Heuristic Approach For a Real Time - Mixed Model Assembly Systems To Reduce Idle Time And Material Handling Cost	1(2), 2009, 97-101
94.	Panneerselvam, K.; Aravindan, S.; Noorul Haq, A.	Hybrid of ANN with genetic algorithm for optimization of frictional vibration joining process of plastics	Article	International Journal of Advanced Manufacturing Technology	42, 2009, 669-677
95.	K.Panneerselvam, S.Aravindan, S.Sivasankaran and A.NoorulHaq	Study On Milling Of Glass Fiber Reinforced Plastics (GFRP) Composite	conference	National Conference of Emerging Materials and Technologies for India 2020, Year 2008	2008
96.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Investigation on End milling of Glass Fiber Reinforced Plastic (GFRP) composites	conference	All India seminar on Automation trends in manufacturing industries: cutting edge technologies & their impact, organized by The Institute of Engineers, Year 2008	2008
97.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	An innovative approach for optimization of Frictional Vibration Joining Process”	Article	The International Journal for Manufacturing Science & Production	9, 3-4,, 2008, 203-216.
98.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	FEA analysis of resistance welded thermoplastic composite joints	conference	conference paper proceedings of the IIW IC, Year 2008	2008

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99.	K.Panneerselvam, S.Aravindan, S.Sivasankaran and A.NoorulHaq	Study on Milling of Glass Fiber Reinforced Plastic (GFRP) Composite	conference	International Conference on ADVANCES IN MANUFACTURING TECHNOLOGY (ICAMT2008) for Young Engineers, Year 2008	2008
100.	K.Panneerselvam, S.Aravindan, S.Sivasankaran and A.NoorulHaq	STUDY OF MILLING OF GFRP COMPOSITE USING STATISTICAL ANALYSIS	conference	National Conference of Emerging Trends in Mechanical Engineering and Sciences, Year 2007	2007
101.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Fusion bonding of thermoplastic composites”	conference	Proceedings of Second International Conference on Recent Advances in Composite Materials, Year 2007	2007
102.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Investigation and Analysis of Friction Stir Welding Parameters on Metal Matrix Composite (Al-SiC)	conference	Proceedings of international conference on Advanced materials and composite,, Year 2007	2007
103.	Sathiya, P.; Aravindan, S.; Haq, A. Noorul; Panneerselvam, K.	Optimization of friction welding parameters using simulated annealing	Article	Indian Journal of Engineering and Materials Sciences	13, 2006, 37-44
104.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Joining of thermoplastics and thermoplastic composites”	conference	conference paper Asian Symposium on Materials and Processing, Year 2006	2006 144
105.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Resistance welding of thermoplastic composites”	conference	International Symposium of Research Students on Materials	2006, 102

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				Science and Engineering	
106.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Optimization of process parameters for friction welding of ferritic stainless steel using taguchi technique	conference	Proceedings of international conference on recent advances in materials & processing	2006, 48
107.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	JOINING OF THERMOPLASTIC MATRIX COMPOSITES BY FRICTIONAL VIBRATION	conference	conference paper National welding Seminar	2005
108.	P. Sathiya, S. Aravindan, A. Noorul Haq, K. Paneerselvam	“Optimization of Process Parameters of Friction Welding by Genetic algorithm”	Article	Journal of Manufacturing Technology Today	4, 2005, 9-15
109.	K.Panneerselvam, S.Aravindan A.Noorul Haq and R.Krishnamurthy,	“Joining of Polymeric Matrix Composites”	Article	article Published in IWS journal	1, 2005, 15-19
110.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	JOINING OF PLASTIC BY FRICTIONAL VIBRATION”	conference	National Conference on Modeling and Analysis of Production System	2004, 190-103.
111.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	DYNAMIC ANALYSIS OF A COMPRESSOR CRANKSHAFT	conference	National Conference on Recent Trends in Manufacturing Modeling and Analysis, Year 2004	2004
112.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Joining of plastic by frictional vibrations”,	conference	International Symposium of Research Students on Materials Science and Engineering	66, 2004
113.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Friction Stir Welding”	conference	International Exhibition & conference on Advancements in materials and Process Used in the Manufacturing of transport	2004, 29

Sl.No	Authors	Publications	Type of Paper	Journal/Proceedings	Vol/Year/Page Numbers
				Vehicles & Automobiles	
114.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Optimization of process parameters of Tungsten Inert Gas Welding using Evolutionary Computational Techniques”	conference	International Symposium on smart Material and Systems	2004, 376-383
115.	K. Panneerselvam, K. Pradeep, P. Asokan	Optimization of End Milling Parameters for Glass Fiber Reinforced Plastic (GFRP) Using Grey Relational Analysis Original Research Article	Article	article Procedia Engineering	38, , 3962-3968
116.	P. Sathiya, S.Aravindan, A.Noorul Haq, K.Panneerselvam	Optimization of friction welding parameters using simulated annealing”	Article	Indian journal of Engineering & Materials sciences	1.13, , 37-44
117.	K.Panneerselvam, S.Aravindan and A.NoorulHaq	Joining of Glass Fiber Reinforced Polypropylene Thermoplastic Composites”	conference	Internationaland INCCOM-6 Conference on “Future Trends in Composite Materials andProcessing” IITK	

12. Detail of Patents.: NIL

13. Books/Reports/Chapters/General articles etc.:NIL

S. No	Author(s)	Title	Name of Publisher	Chapter No	Page	Year
1.	M.Ramesh, Panneerselvam, K.	PLA-Based Material Design and Investigation of its Properties by FDM	Advances in Additive Manufacturing and Joining: Proceedings of AIMTDR 2018	20	229-242	2019
2.	Sudhir Kumar, Barnik Saha Roy, K. Panneerselvam	Tribological Behaviour of Nylon 6 Composites and Optimization of Process Parameters Using Hybrid Taguchi-GRA and CSA	Advances in Computational Methods in Manufacturing	60	719-731	2019

14. Any other Information (maximum 500 words)

Number of PhDs guided:

S.No	Thesis Title	Year
1	Internal Defect and Process Parameter Analysis of Friction Stir Welded Thermoplastic Joints	2014
2	Manufacturing and Experimental Investigation on Polypropylene/Cloisite30B/Elvaloy-AC-3427 Nanocomposites	2017
3	Investigation and Optimization of Drilling Process Parameters for Carbon Fiber Epoxy Composites With Multi-Performance Characteristics	2017
4	Manufacturing and Characterization of Tungsten Particulate Reinforced High- Density Polyethylene and Epoxy Resin Composites	2020
5	Processing and Characterization of Camphor Soot Embedded Natural Fiber Reinforced Nylon Composites	2020
6	A Comparative Study for Micro-Drilling in Hastelloy-X by Using Laser and Laser Combined EDM and ECM	2021
7	Manufacturing and experimental investigations on high-density Polyethylene/ polybenzimidazole composite	2022