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Specialization: Materials, Manufacturing

No of Publications : 120

1.	<a href="#">Potential use of industrial waste-red mud in developing hybrid composites: A waste management approach</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu Journal of Cleaner Production 276, 124278	2020
2.	<a href="#">Surface roughness analysis of micro channels produced by wire-electrical discharge machining</a> P Sreeraj, ST Kumaran, M Uthayakumar, SS Kumar, M Pethuraj Materials Today: Proceedings	2020
3.	<a href="#">A Comprehensive Review on Similar and Dissimilar Metal Joints by Friction Welding</a> D Saravanakumar, M Uthayakumar, ST Kumaran Advanced Manufacturing and Processing Technology, 133-146	2020
4.	<a href="#">A Critical Review on the Machining of Engineering Materials by Die-Sinking EDM</a> P Sreeraj, ST Kumaran, M Uthayakumar, SS Kumar Advanced Manufacturing and Processing Technology, 1-21	2020
5.	<a href="#">Conventional and unconventional machining performance of natural fibre-reinforced polymer composites: A review</a> S Vigneshwaran, KM John, R Deepak Joel Johnson, M Uthayakumar, ... Journal of Reinforced Plastics and Composites, 0731684420958103	2020
6.	<a href="#">MEASUREMENT OF MICROCHANNELS PRODUCED IN AA6351/RUTILE COMPOSITE BY WIRE-EDM</a> P Sreeraj, S THIRUMALAI KUMARAN, S SURESH KUMAR, ... Surface Review and Letters, 2050034	2020
7.	<a href="#">Recent advancement in the natural fiber polymer composites: a comprehensive review</a> S Vigneshwaran, R Sundarakannan, KM John, RDJ Johnson, KA Prasath, ... Journal of Cleaner Production, 124109	2020
8.	<a href="#">A review on the performance of the materials by surface modification through EDM</a> SS Kumar, T Varol, A Canakci, ST Kumaran, M Uthayakumar International Journal of Lightweight Materials and Manufacture	2020
9.	<a href="#">State of the Art in the Die Sinking EDM Processes of Electrically Conductive Ceramics</a>	2020

	MJ Joseph, M Uthayakumar, AS Sajan, A Sajan, A Benny Emerging Technologies for Sustainability, 493 -496	
10.	<a href="#">Electrical discharge machining of Al -sillimanite composites</a> P Balamurugan, M Pethuraj, M Uthayakumar, AP Kushwaha, KG Naidu, ... Materials Today: Proceedings	2020
11.	<a href="#">Microdrilling of AA (6351) -SiC -B4C Composite Using Hybrid Micro -ECDM Process</a> M Uthayakumar, ST Kumaran, MA Khan, S Skoczypiec, W Bizon Journal of Testing and Evaluation 48 (4)	2020
12.	<a href="#">Investigation of WEDM process parameters of Al -SiC -B4C composites using response surface methodology</a> SS Kumar, F Erdemir, T Varol, ST Kumaran, M Uthayakumar, A Canakci International Journal of Lightweight Materials and Manufacture 3 (2), 127 -135	2020
13.	<a href="#">Prediction and Analysis of Abrasive Water Jet Machining Performance on Hybrid Composite</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu Journal of Testing and Evaluation 48 (2), 1505 -1519	2020
14.	<a href="#">Solid particle erosion studies on SiC reinforced functionally graded aluminium matrix composites</a> S Prathap Singh, T Prabhuram, K Vinoth Babu, D Elilraja, M Uthayakumar, ... MS&E 764 (1), 012005	2020
15.	<a href="#">Solid particle erosion studies on SiC reinforced functionally graded aluminium matrix composites</a> SP Singh, T Prabhuram, KV Babu, D Elilraja, M Uthayakumar, TPD Rajan IOP Conference Series: Materials Science and Engineering 764 (1), 012005	2020
16.	<a href="#">Air Jet Erosion Studies on Mg/SiC Composite</a> K Balamurugan, M Uthayakumar, M Ramakrishna, UTS Pillai Silicon 12 (2), 413 -423	2020
17.	<a href="#">Abrasive water jet machining of fly ash and metakaolin based geo -polymers</a> M Uthayakumar, P Balamurugan, K Korniejenko, S Gądek, D Mierzwiński MATEC Web of Conferences 322, 01020	2020
18.	<a href="#">Optimization of Drilling Process in Heat -Treated Al -20% SiC Functionally Graded Composite Using Grey Relational Analysis</a> KV Babu, SP Singh, S Marichamy, P Ganesan, M Uthayakumar Proceedings of ICDMC 2019, 455 -464	2020
19.	<a href="#">Surface Roughness and Morphology Studies on Machining Hybrid Composite Material Using Abrasive Water Jet Cutting Process</a> SP Jani, AS Kumar, MA Khan, M Uthayakumar Surface Engineering of Modern Materials, 125 -148	2020
20.	<a href="#">Processing of functionally graded aluminum composite brake disc and machining parameters optimization</a> KV Babu, S Marichamy, P Ganesan, D Madan, M Uthayakumar, ... Materials Today: Proceedings 21, 563 -567	2020

21.	<a href="#">Electrochemical Behaviour and Surface Studies on Austenitic Stainless Steel and Nickel -Based Superalloy Dissimilar Weld Joints</a> MA Khan, D Chellaganesh, M Uthayakumar, JTW Jappes, M Duraiselvam Materials Forming, Machining and Post Processing, 251 -266	2020
22.	<a href="#">Recent Advancements in Customized Investment Castings Through Additive Manufacturing: Implication of Additive Manufacturing in Investment Casting</a> S Singh, C Prakash, M Uthayakumar Additive Manufacturing: Breakthroughs in Research and Practice, 296 -319	2020
23.	<a href="#">Study of Cutting Temperature and Chip Formation in Drilling of AA6351 -B4C</a> ST Kumaran, GS Samy, M Uthayakumar, TJ Ko Advances in Forming, Machining and Automation: Proceedings of AIMTDR 2018, 133	2019
24.	<a href="#">Wear studies of copper -fly ash composite under dry sliding conditions</a> P Balamurugan, M Uthayakumar, M Niemczewska -Wójcik Materials Research Express 6 (10), 1065d5	2019
25.	<a href="#">Development and sustainability of industrial waste -based red mud hybrid composites</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu Journal of Cleaner Production 230, 862 -868	2019
26.	<a href="#">Numerical analysis of drag and lift coefficient of a Sport Utility Vehicle (SUV)</a> GS Samy, ST Kumaran, M Uthayakumar, M Sivasubramanian, KB Sankar Journal of Physics: Conference Series 1276 (1), 012013	2019
27.	<a href="#">Drilling study on lightweight structural Mg/SiC composite for defence applications</a> K Balamurugan, M Uthayakumar, ST Kumaran, GS Samy, UTS Pillai Defence Technology 15 (4), 557 -564	2019
28.	<a href="#">Investigating the surface integrity of aluminium based composites machined by EDM</a> SS Kumar, M Uthayakumar, ST Kumaran, T Varol, A Canakci Defence Technology 15 (3), 338 -343	2019
29.	<a href="#">Potential Studies of Waterjet Cavitation Peening on Surface Treatment, Fatigue and Residual Stress</a> PM Kumar, K Balamurugan, M Uthayakumar, ST Kumaran, A Slota, ... International Scientific -Technical Conference MANUFACTURING, 357 -373	2019
30.	<a href="#">Solid particle erosion study on redmud -an industrial waste reinforced sisal/polyester hybrid composite</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu Materials Research Express 6 (6), 065307	2019
31.	<a href="#">Effect of tool wear on machining GFRP and AISI D2 steel using alumina based ceramic cutting tools</a> MA Khan, AS Kumar, ST Kumaran, M Uthayakumar, TJ Ko Silicon 11 (1), 153 -158	2019
32.	<a href="#">Effect of chemical treatment on erosion properties of jute polyester composites</a>	2019

	S Vigneshwaran, M Uthayakumar, V Arumugaprabhu, A Ramesh, ... AIP Conference Proceedings 2057 (1), 020063	
33.	<a href="#">Performance of surface -textured end -mill insert on AISI 1045 steel</a> V Arumugaprabu, TJ Ko, ST Kumaran, R Kurniawan, Y Kwak, Z Yu, ... Materials and Manufacturing Processes 34 (1), 18 -29	2019
34.	<a href="#">Study on the machining of Al -SiC functionally graded metal matrix compo site using die -sinking EDM</a> M Uthayakumar, KV Babu, ST Kumaran, SS Kumar, JTW Jappes, ... Particulate Science and Technology 37 (1), 103 -109	2019
35.	<a href="#">Evaluation of Electrical Discharge Machining Performance on Al (6351) -SiC -B</a> M Uthayakumar, P Parameswaran	2019
36.	<a href="#">Study of Cutting Temperature and Chip Formation in Drilling of AA6351 -B<sub>4</sub>C Composite</a> ST Kumaran, GS Samy, M Uthayakumar, TJ Ko Advances in Forming, Machining and Automation, 133 -141	2019
37.	<a href="#">Observations of Machining Performance during Turning AA6351 -B<sub>4</sub>C Composite</a> GS Samy, ST Kumaran, M Uthayakumar Journal of Testing and Evaluation 49 (3)	2019
38.	<a href="#">Predicting correlations in abra sive waterjet cutting parameters of Lanthanum phosphate/Ytria composite by response surface methodology</a> M Uthayakumar, US Hareesh, S Sankar, K Balamurugan, KGK Warriar Elsevier	2019
39.	<a href="#">Potential studies of waterjet cavitation peening on surface treatment, fatigue and residual stress</a> P Manoj Kumar, K Balamurugan, M Uthayakumar, S Thirumalai Kumaran, ...	2019
40.	<a href="#">Multicriteria Optimization of Machining Parameters in WEDM of Titanium Alloy 6242</a> R Prasanna, PM Gopal, M Uthayakumar, S Aravind Advances in Manufacturing Technology, 65 -75	2019
41.	<a href="#">Low Velocity Impact Studies on Fibre -Reinforced Polymer Composites and Their Hybrids - Review</a> P Amuthakkannan , T Mohamed, U Marimuthu, S Ain Reference Module in Materials Science and Materials Engineering	2019
42.	<a href="#">Solid particle erosion studies on fibre composite with egg shell as filler materials</a> MA Khan, S Manikandan, G Ebenezer, M Uthayakumar, ST Kumaran International Journal of Surface Science and Engineering 13 (1), 1 -13	2019
43.	<a href="#">Performance Study of LaPO<sub>4</sub> -Y<sub>2</sub>O<sub>3</sub> Composite Fabricated by Sol -Gel Process Using Abrasive Waterjet Machining</a> M Uthayakumar , B Karnan, A Slota, J Zajac, JP Davim Handbook of Research on Green Engineering Techniques for Modern ...	2019
44.	<a href="#">Abrasive Waterjet Cutting of Lanthanum Phosphate — Ytria Composite: A Comparative Approach</a>	2019

	K Balamurugan, M Uthayakumar, S Sankar, US Hareesh, KGK Warri Micro and Nano Machining of Engineering Materials, 101 -119	
45.	<a href="#">Failure analysis in hybrid composites prepared using industrial wastes</a> V Arumugaprabu, TJ Ko, M Uthayakumar, R DJ Johnson Failure Analysis in Biocomposites, Fibre -Reinforced Composites and Hybrid ...	2019
46.	<a href="#">Predicting correlations in abrasive waterjet cutting parameters of Lanthanum phosphate/Ytria composite by response surface methodology</a> K Balamurugan, M Uthayakumar, S Sankar, US Hareesh, KGK Warri Measurement 131, 309 -318	2019
47.	<a href="#">Evaluation of Electrical Discharge Machining Performance on Al (6351) -SiC -B4C Compos ite</a> M Uthayakumar, P Parameswaran Non -Conventional Machining in Modern Manufacturing Systems, 109 -124	2019
48.	<a href="#">Performance monitoring of WEDM using online acoustic emission technique</a> SS Kumar, M Uthayakumar, ST Kumaran, P Parameswaran, TK Haneef, ... Silicon 10 (6), 2635 -2642	2018
49.	<a href="#">A study on the compressive residual stress due to waterjet cavitation peening</a> K Balamurugan, M Uthayakumar, S Gowthaman, R Pandurangan Engineering Failure Analys is 92, 268 -277	2018
50.	<a href="#">Review on machinability of fiber reinforced polymers: a drilling approach</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu Silicon 10 (5), 2295 -2305	2018
51.	<a href="#">Dry Sliding Wear Behavior of Copper Based Hybrid Metal Matrix Composite</a> P Balamurugan, M Uthayakumar, ST Kumaran Synthesis and Tribological Applications of Hybrid Materials, 197	2018
52.	<a href="#">Influence of filler on erosion behavior of polymer composites: A comprehensive review</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu, ... Journal of Reinforced Plastics and Composites 37 (15), 1011 -1019	2018
53.	<a href="#">Garnet and Al -flyash composite under dry sliding conditions</a> S Si vakumar, S Senthil Kumaran, M Uthayakumar, A Daniel Das Journal of Composite Materials 52 (17), 2281 -2288	2018
54.	<a href="#">Solid particle erosive behaviour of sillimanite reinforced aluminium metal matrix composites</a> M Pethuraj, M Uthayakumar, S Rajakarunakaran, S Rajesh Materials Research Express 5 (6), 066514	2018
55.	<a href="#">Electrical Discharge Machining of Sillimanite Reinforced Aluminium Metal Matrix Composites</a> M Pethuraj, M Uthayakumar, S Rajakarunakara n, S Rajesh Journal of Advanced Microscopy Research 13 (2), 171 -175	2018
56.	<a href="#">Effect of abrasive waterjet machining on LaPO<sub>4</sub>/Y<sub>2</sub>O<sub>3</sub> ceramic matrix composite</a> K Balamurugan, M Uthayakumar, S Sankar, US Hareesh, KGK Warri Journal of the Australian Ceramic Society 54 (2), 205 -214	2018

57.	<a href="#">Influence of redmud particle hybridization in banana/sisal and sisal/glass composites</a> VA Prabu, ST Kumaran, M Uthayakumar Particulate Science and Technology 36 (4), 402 -407	2018
58.	<a href="#">Machinability of nickel based alloys using electrical discharge machining process</a> MA Khan, AK Gokul, MPB Dharan, RVS Jeevakarthikeyan, ... MS&E 346 (1), 012044	2018
59.	<a href="#">Effects Of Welding On The Fatigue Behaviour Of Commercial Aluminum AA 1100 Joints</a> M Uthayakumar, V Balasubramanian, AMA Rani, B Hadzima IOP Conference Series: Materials Science and Engineering	2018
60.	<a href="#">Erosion performance studies on sansevieria cylindrica reinforced vinylester composite</a> RDJ Johnson, V Arumugaprabu, M Uthayakumar, S Vigneshwaran, ... Materials Research Express 5 (3), 035309	2018
61.	<a href="#">Modeling and surface texturing on surface roughness in machining LaPO<sub>4</sub>-Y<sub>2</sub>O<sub>3</sub> composite</a> K Balamurugan, M Uthayakumar, S Sankar, US Hareesh, KGK Warriar Materials and Manufacturing Processes 33 (4), 405 -413	2018
62.	<a href="#">Defence Technology</a> P Kumar	2018
63.	<a href="#">A study on kerf characteristics of hybrid aluminium 7075 metal matrix composites machined using abrasive water jet machining technology</a> KSK Sasikumar, KP Arulshri, K Ponappa, M Uthayakumar Proceedings of the Institution of Mechanical Engineers, Part B: Journal of ...	2018
64.	<a href="#">Abrasive water jet machining of fiber-reinforced composite materials</a> S Vigneshwaran, M Uthayakumar, V Arumugaprabu Journal of Reinforced Plastics and Composites 37 (4), 230 -237	2018
65.	<a href="#">Dynamic Behaviour of Woven Bio Fiber Composite</a> M Rajesh, MTH Sultan, M Uthayakumar, K Jayakrishna, AUM Shah BioResources 13 (1), 1951 -1960	2018
66.	<a href="#">Effect of Abrasive Waterjet Machining on LaPO<sub>4</sub>/Y<sub>2</sub>O<sub>3</sub> Ceramic Matrix Composite</a> M Uthayakumar, US Hareesh, S Sankar, K Balamurugan, KGK Warriar Australian Ceramic Society	2018
67.	<a href="#">Preparation, characterisation and machining of LaPO<sub>4</sub>-Y<sub>2</sub>O<sub>3</sub> composite by abrasive water jet machine</a> K Balamurugan, M Uthayakumar, S Sankar, US Hareesh, KGK Warriar International Journal of Computer Aided Engineering and Technology 10 (6) ...	2018
68.	<a href="#">Influence study of manufacturing constraints and percentage of reinforcement on copper-fly ash composite by full factorial design</a> P Balamurugan, M Uthayakumar International Journal of Computer Aided Engineering and Technology 10 (6) ...	2018

69.	<a href="#">Effect of baffle shape in heat transfer for jet impingement on a solid block</a> M Muthukannan, M Uthayakumar, KP Rajesh, P Ocloń, J Taler, D Taler	2018
70.	<a href="#">Arrangement of Machine Cell in Cellular Manufacturing System: A PSO Approach</a> M Uthayakumar, A Adinarayanan, A Slota, J Zajac	2018
71.	<a href="#">A brief review on the erosion -corrosion behavior of engineering materials</a> R Kuruvila, ST Kumaran, MA Khan, M Uthayakumar Corrosion Reviews	2018
72.	<a href="#">A brief review on importance of surface texturing in materials to improve the tribological performance</a> V Arumugaprabu, TJ Ko, T Kumaran, R Kurniawan, M Uthayakumar Reviews on Advanced Materials Science 53 (1), 40 - 48	2018
73.	<a href="#">Polyester -based redmud reinforced banana fibre composites: impact and flexural property studies</a> V Arumugaprabu, M Uthayakumar, V Manikandan International Journal of Computer Aided Engineering and Technology 10 (1) -2 ...	2018
74.	<a href="#">Three dimensional numerical investigation of forced convection heat transfer from offset square cylinders placed in a confined channel</a> PR Kanna, M Sivasubramanian, PM Prabu, M Uthayakumar International Journal of Computer Aided Engineering and Technology 10 (1 -2 ...	2018
75.	<a href="#">Machine cell formation using simulated annealing algorithm in cellular manufacturing system</a> A Adinarayanan, M Uthayakumar, G Prabhakaran International Journal of Computer Aided Engineering and Technology 10 (1-2 ...	2018
76.	<a href="#">Prediction of surface roughness in abrasive water jet machining of CFRP composites using regression analysis</a> ST Kumaran, TJ Ko, M Uthayakumar, MM Islam Journal of Alloys and Compounds 724, 1037 -1045	2017
77.	<a href="#">Some experimental investigations on drilling AA (6351) -SiC -B<sub>4</sub>C composite</a> ST Kumaran, TJ Ko, M Uthayakumar, MA Khan, I Muhammad Materials and Manufacturing Processes 32 (13), 1557 -1564	2017
78.	<a href="#">Surface texturing by dimple formation in TiAlSiZr alloy using <math>\mu</math> -EDM</a> ST Kumaran, TJ Ko, M Uthayakumar, MA Khan, M Niemczewska -Wójcik Journal of the Australian Ceramic Society 53 (2), 821 -828	2017
79.	<a href="#">An analysis of end milling performance on B<sub>4</sub>C particle reinforced aluminum composite</a> GS Samy, ST Kumaran, M Uthayakumar Journal of the Australian Ceramic Society 53 (2), 373 -383	2017
80.	<a href="#">ANFIS modeling of surface roughness in abrasive waterjet machining of carbon fiber reinforced plastics</a> ST Kumaran, TJ Ko, R Kurniawan, C Li, M Uthayakumar Journal of Mechanical Science and Technology 31 (8), 3949 -3954	2017
81.	<a href="#">A review on erosion studies of fiber -reinforced polymer composites</a>	2017



	S Vigneshwaran, M Uthayakumar, V Arumugaprabu Journal of Reinforced Plastics and Composites 36 (14), 1019 -1027	
82.	<a href="#">Some studies on drilling of red mud reinforced aluminum composite</a> S Rajesh, M Pethuraj , ST Kumaran, M Uthayakumar, N Rajini Proceedings of the Institution of Mechanical Engineers, Part L: Journal of ...	2017
83.	<a href="#">Performance evaluation of abrasive water jet machining on banana fiber reinforced polyester composite</a> VA Prabu, ST Kumaran, M Uthayakumar Journal of Natural Fibers 14 (3), 450 -457	2017
84.	<a href="#">Numerical Simulation of Steady Flow and Forced Convection Heat Transfer from Two Offset Square Cylinders Placed in a Channel</a> PR Kanna, M Sivasubramanian, PM Prabu, M Uthayakumar Arabian Journal for Science and Engineering 42 (5), 1795 -1815	2017
85.	<a href="#">Mechanical and Machinability characteristics of Al -NiTi composites reinforced with SiC particulates</a> R Shanmugavel , P Mekkandi, M Jayamani, N Rajini, M Uthayakumar, ... Journal of the Australian Ceramic Society 53 (1), 177 -185	2017
86.	<a href="#">Rotary ultrasonic machining of woven CFRP composite in a cryogenic environment</a> ST Kumaran, TJ Ko, C Li, Z Yu, M Uthayakumar Journal of Alloys and Compounds 698, 984 -993	2017
87.	<a href="#">Mathematical modelling on multiple variables in machining LaPO<sub>4</sub>/Y<sub>2</sub>O<sub>3</sub> composite by abrasive waterjet</a> K Balamurugan, M Uthayakumar, S Sankar, US Hareesh , KGK Warriar International Journal of Machining and Machinability of Materials 19 (5) ...	2017
88.	<a href="#">Assignment of machines in cell layout using modified artificial bee colony algorithm</a> A Adinarayanan, M Uthayakumar, G Prabhakaran, V Anbumalar International Journal of Computer Aided Engineering and Technology 9 (2) ...	2017
89.	<a href="#">Numerical investigation of forced convection heat transfer from square cylinders in a channel covered by solid wall: Conjugate situation</a> RP Kanna, M Sivasubramanian, M Uthayakumar FME Transactions 45 (1), 16 -25	2017
90.	<a href="#">Optimization of drilling process on Al -SiC Composite using grey relation analysis</a> KV Babu, M Uthayakumar, JTW Jappes, TPD Rajan Materials Science and Engineering: Concepts, Methodologies, Tools, and ...	2017
91.	<a href="#">Effect of Redmud Filled Banana/Polyester Composites -Moisture Resistance Studies</a> V Arumugaprabu, M Uthayakumar, V Manikandan	2016
92.	<a href="#">Experimental investigation on heat transfer enhancement from a channel with square blocks and identification of most influencing parameters using Taguchi approach</a>	2016



	M Sivasubramanian, P Rajesh Kanna, S Rajesh, M Uthayakumar Pro ceedings of the Institution of Mechanical Engineers, Part C: Journal of ...	
93.	<a href="#">Machinability of nickel -based superalloy by abrasive water jet machining</a> M Uthayakumar, MA Khan, ST Kumaran, A Slota, J Zajac Materials and Ma nufacturing Processes 31 (13), 1733 -1739	2016
94.	<a href="#">Studies on the static and Dynamics Behaviors of Surface Treated Luffa Cylindrica Polyester Composites</a> G Kalusuraman Virudhunagar	2016
95.	<a href="#">Effect of Rake Angle on Chip Control in CNC Lathe Machining of Low Carbon Steel</a> M Uthaykumar, R Prasanna, D Simson, RMS Sadhasivam, M Lenin, ... Bonfring International Journal of Industrial Engineering and Management ...	2016
96.	<a href="#">Waterjet Erosion Studies of Aluminum Based Composite</a> ST Kumaran, TJ Ko, Z Yu, M Uthayakumar, P Balamurugan 한국기계공학회 춘추계학술대회 논문집 , 63 -63	2016
97.	<a href="#">Mechanical characterization of coir/palmyra waste fiber hybrid composites</a> V Arumugaprabu, M Uthayakumar, F Cardona, MTH Sultan IOP Conf. Ser. Mater. Sci. Eng 152	2016
98.	<a href="#">Dry sliding wear studies on SiC reinforced functionally graded aluminium matrix composites</a> K Vinoth Babu, M Uthayakumar, TPD Rajan , JT Winowlin Jappes Sage	2016
99.	<a href="#">Machining behavior of AA6351 -SiC -B<sub>4</sub>C hybrid composites fabricated by stir casting method</a> ST Kumaran, M Uthayakumar, A Slota, S Aravindan, J Zajac Particulate Science and Technology 34 (5), 5 86 -592	2016
100.	<a href="#">STATIC AND DYNAMIC ANALYSIS ON ENVIRONMENTAL CONTROL SYSTEM OF REHEATER ATTACHMENT FOR A TYPICAL NAVAL FIGHTER AIRCRAFT</a> P Sethunathan, M Seeman, M Uthayakumar, GR Manimaran International Journal of Advances in Engineering & Technology 9 (2), 153	2016
101.	<a href="#">Dry sliding wear behavior of SiC and B<sub>4</sub>C-reinforced AA6351 metal matrix composite produced by stir casting process</a> S Thirumalai Kumaran, M Uthayakumar, S Aravindan, S Rajesh Proce edings of the Institution of Mechanical Engineers, Part L: Journal of ...	2016
102.	<a href="#">Dry sliding wear studies on SiC reinforced functionally graded aluminium matrix composites</a> KV Babu, JTW Jappes, TPD Rajan, M Uthayakumar Proceedings of the Institution of Mechanical Engineers, Part L: Journal of ...	2016
103.	<a href="#">Process optimization and wear behavior of red mud reinforced aluminum composites</a> R Shanmugavel, TK Sundaresan, U Marimuthu, P Manickaraj	2016

	Advances in Tribology 2016	
104.	<a href="#">Fabrication and Machining Studies of Al 6351 SiC B4C Hybrid Metal Matrix Composite</a> SS Kumar Virudhunagar	2016
105.	<a href="#">International Journal of Manufacturing, Materials, and Mechanical Engineering</a> NE Karkalos, AP Markopoulos, DE Manolagos, P Gadhari, P Sahoo, ...	2016
106.	<a href="#">Machinability of Hybrid Natural Fiber Composite with and without Filler as Reinforcement</a> MUK S. P. Jani, A. Senthil Kumar, M. Adam Khan Materials and Manufacturing Processes 31, 1393 -1399	2016
107.	<a href="#">Synthesis of petri net based model of a discrete event manufacturing system for nonlinear process plan</a> A Słota, J Zajac, M Uthayakumar Management and Production Engineering Review 7 (2), 62 --72	2016
108.	<a href="#">Electrical discharge machining of Al (6351) alloy: role of electrode shape</a> SS Kumar, M Uthayakumar, ST Kumaran, P Parameswaran, E Mohandas International Journal of Materials and Product Technology 53 (1), 86 -97	2016
109.	<a href="#">Parametric optimization of wire electrical discharge machining on aluminium based composites through grey relational analysis</a> SS Kumar, M Uthayakumar, ST Kumaran, P Parameswaran, E Mohandas, ... Journal of Manufacturing Processes 20, 33 -39	2015
110.	<a href="#">A STUDY ON IDENTICAL PARALLEL MACHINE SCHEDULING USING META HEURISTIC APPROACHES</a> S Bathrinath Virudhunagar	2015
111.	<a href="#">TRIBOLOGICAL AND MACHINING STUDIES OF AA (6351) -SiC -B4C COMPOSITE</a> ST Kumaran KALASALINGAM UNIVERSITY	2015
112.	<a href="#">Experimental investigation on heat transfer enhancement from a channel mounted with staggered blocks</a> M Sivasubramanian, PR Kanna, M Uthayakumar, P Ganesan Arabian Journal for Science and Engineering 40 (4), 1123 -1139	2015
113.	<a href="#">Mechanical and machining performance of glass and coconut sheath fibre polyester composites using AWJM</a> S Kalirasu, N Rajini, JT Winowlin Jappes, M Uthayakumar, S Rajesh Journal of Reinforced Plastics and Composites 34 (7), 564 -580	2015
114.	<a href="#">Influence of process parameters on Cu -Fly ash composite by powder metallurgy technique</a> P Balamurugan, M Uthayakumar Materials and Manufacturing Processes 30 (3), 313 -319	2015
115.	<a href="#">EXPERIMENTAL INVESTIGATION ON FLOW THROUGH A CONFINED</a>	2015

	<a href="#"><u>RECTANGULAR CHANNEL MOUNTED WITH SQUARE BLOCKS</u></a> M Sivasubramanian, PR Kanna, M M uthukannan, M Uthayakumar Journal of Engineering Science and Technology 10 (2), 212 -223	
116.	<a href="#"><u>Numerical Investigation of Forced Convection Heat Transfer from Offset Square Cylinders Placed in a Three Dimensional Confined Channel</u></a> P Maheandera Prabu, M Sivasubramanian, PR Kanna, M Uthayakumar, ... Applied Mechanics and Materials 813, 729 -735	2015
117.	<a href="#"><u>Application of Grey relational analysis in high speed machining of AA (6351) - SiC -B4C hybrid composite</u></a> ST Kumaran, M Uthayakumar, A Slota, J Zajac International Journal of Materials and Product Technology 51 (1), 17 -31	2015
118.	<a href="#"><u>Effect of abrasive grain size of the AWJM performance on AA (6351) -SiC -B4C hybrid composite</u></a> S Thirumalai Kumaran, M Uthayakumar, P Mathiyazhagan, ... Applied Mechanics and Materials 766, 324 -329	2015
119.	<a href="#"><u>Parametric optimization of AWJM in AA6351 -SiC -B4C hybrid composite using grey relational analysis</u></a> S Thi rumalai Kumaran, M Uthayakumar, VS Kiran Kumar, AM Sundaram, ... Applied Mechanics and Materials 766, 38 -43	2015
120.	<a href="#"><u>Analysis of delamination in drilling of basalt fiber reinforced polymer composites</u></a> P Amuthakkannan, V Manikandan, M Uthayakumar Materials Physics and Mechanics 24 (1), 1 -8	2015