

Papers Published in Journals for 2020-2021

S. No	Author Name	Title of the paper	Journal	Month, Year	Issue
1.	Vaddi Seshagiri Rao	Determination of Optimum Tensile Strength of Friction Stir Welded AA2219 Aluminum Alloys Using Taguchi's Method doi.org/10.1007/978-981-15-6267-9_56	Advances in Materials and Manufacturing Engineering	September 2020	Volume:7 Pages489-497
2.	Vaddi Seshagiri Rao	An Automated Person Authentication System with Photo to Sketch Matching Technique doi.org/10.1007/978-981-15-5679-1_63	Intelligent Data Engineering and Analytics	August 2020	Vol. 1177 665-662
3.	Vaddi Seshagiri Rao	Brain MRI Examination with Varied Modality Fusion and Chan-Vese Segmentation doi.org/10.1007/978-981-15-5679-1_65	Intelligent Data Engineering and Analytics	August 2020	Vol. 1177 pp 671-679
4.	Vaddi Seshagiri Rao	Analysis and Optimization of Abrasive water Jet Machining processes on the hybrid nano particle reinforced Aluminum alloy matrix composite material doi.org/10.1088/1757-899X/923/1/012037	IOP Conference Series: Materials Science and Engineering	September 2020	Volume 923 Issue1 Pages 012037
5.	Vaddi Seshagiri Rao	Thermophysical and wear properties of eco-friendly nano lubricants doi.org/10.1016/j.matpr.2020.07.128	Materials Today Proceedings	August 2020	Online Published
6.	Vaddi Seshagiri Rao	Tensile and wear behaviour of friction stir welded AA5052 and AA6101-T6 aluminium alloys: effect of welding parameters https://doi.org/10.1051/metal/2020039	Metallurgical Research & Technology	July 2020	Volume117 Issue4Pages 405-413
7.	N.Arunkumar	Mechanical characterization of glass fiber resin reinforced with sugarcane doi.org/10.1016/j.matpr.2020.11.830	Materials Today Proceedings	January 2021	Online Published

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8.	N.Arunkumar	Experimental Study and Analysis of Defragmented Carbon Nanotubes in Polyacrylonitrile Matrix	Trends in Manufacturing and Engineering Management	August 2020	Pages315-329
9.	N.Arunkumar	Optimization of process parameters in friction stir welded dissimilar magnesium alloys using RSM doi.org/10.1016/j.matpr.2020.09.049	Materials Today: Proceedings	November 2020	Online Published
10.	N.Arunkumar	An investigation of the impact of axial force on friction stir-welded AA5086/AA6063 on microstructure and mechanical properties butt joints doi.org/10.1016/j.matpr.2020.09.050	Materials Today: Proceedings	October 2020	Online Published
11.	N.Arunkumar	Abrasive water jet piercing of inclined holes on ceramic coated nickel superalloy: A preliminary study doi.org/10.1016/j.mfglet.2020.10.002	Manufacturing Letters	October 2020	Volume 26, Pages 59-63
12.	N.Arunkumar	Optimization of drilling parameters on hybrid natural fiber reinforced polymer matrix composites doi.org/10.1088/1757-899X/923/1/012059	IOP Conference Series: Materials Science and Engineering	September 2020	Volume923 Issue1Pages 012059
13.	N.Arunkumar	Review on Fiber reinforced/modified Bismaleimide resin composites for Aircraft Structure Application doi.org/10.1088/1757-899X/923/1/012051	IOP Conference Series: Materials Science and Engineering	September 2020	Volume923 Issue1Pages 012051

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14.	N.Arunkumar	Study of compressive behaviour on 3D printed ABS polymer lattice structures infilled with epoxy and polyester resins doi.org/10.1088/1757-899X/923/1/012044	IOP Conference Series: Materials Science and Engineering	September 2020	Volume923 Issue1 Pages 012044
15.	N.Arunkumar	An investigation on machining characteristics in abrasive water jet machining of hybrid laminated composites with SiC nano particles doi.org/10.1016/j.matpr.2020.06.193	Materials Today: Proceedings	July 2020	Online Published
16.	S Arivazhagan,	Abrasive Water Jet Machining of Al6063/B 4 C/ZrSiO 4 Hybrid Composites: a Study of Machinability and Surface Characterization Analysis doi.org/10.1007/s12633-020-00888-2	Silicon	January 2021	Pages 1-29
17.	S Arivazhagan,	Experimental Investigation of Multi-Jet Air Impingement in Various Conditions and Analysis using Desirability Based Response Surface Methodology.	Journal of Applied Fluid Mechanics	January 2021	Vol. 14 Issue 1, p131-145
18.	K.M.Kumar	Productivity and Bioenergy Potential Assessment of Microalgae from Waste Stabilization Ponds doi.org/10.1088/1757-899X/923/1/012064	IOP Conference Series: Materials Science and Engineering	September 2020	Issue 1 Pages 012064

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19.	K.M.Kumar	Optimization of drilling parameters on hybrid natural fiber reinforced polymer matrix composites doi.org/10.1088/1757-899X/923/1/012059	IOP Conference Series: Materials Science and Engineering	September 2020	Volume923 Issue1 Pages 012059
20.	K.M.Kumar	Study of compressive behaviour on 3D printed ABS polymer lattice structures infilled with epoxy and polyester resins doi.org/10.1088/1757-899X/923/1/012044	IOP Conference Series: Materials Science and Engineering	September 2020	Volume 923 Issue 1 Pages 012044
21.	K.Arun	Thermophysical and wear properties of eco-friendly nano lubricants doi.org/10.1016/j.matpr.2020.07.128	Materials Today Proceedings	August 2020	Online Published
22.	K.Arun	Comparative studies and analysis on gasification of coconut shells and corn cobs in a perforated fixed bed downdraft reactor by admitting air through equally spaced conduits doi.org/10.1007/s13399-020-00872-1	Biomass Conversion and Biorefinery	July 2020	Pages 1-13
23.	Sathish Rengarajan	Effects of tool pin profile on tensile and wear behaviour of friction stir welded AA6101-T6 and AA1350 alloys doi.org/10.1051/metal/2020045	Metallurgical Research & Technology	September2020	Volume117 Issue5Pages 501-513
24.	Sathish Rengarajan	Tensile and wear behaviour of friction stir welded AA5052 and AA6101-T6 aluminium alloys: effect of welding parameters https://doi.org/10.1051/metal/2020039	Metallurgical Research & Technology	July 2020	Volume117 Issue4Pages 405-413

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25.	L.Balamurugan	Statistical analysis of mechanical properties of Al-SiC-WC and Al-SiC-Al ₂ O ₃ hybrid composites doi.org/10.1016/j.matpr.2020.09.211	Materials Today: Proceedings	October 2020	Online Published
26.	R. Selvam	Optimization of drilling parameters on hybrid natural fiber reinforced polymer matrix composites doi.org/10.1088/1757-899X/923/1/012059	IOP Conference Series: Materials Science and Engineering	September 2020	Online Published
27.	R. Selvam	An investigation on machining characteristics in abrasive water jet machining of hybrid laminated composites with SiC nano particles doi.org/10.1016/j.matpr.2020.06.193	Materials Today: Proceedings	July 2020	Online Published
28.	N.E Arunkumar	Experimental Study and Analysis of Defragmented Carbon Nanotubes in Polyacrylonitrile Matrix	Trends in Manufacturing and Engineering Management	August 2020	Pages 315-329
29.	N.E Arunkumar	Influence of near dry wirecut electrical discharge machining parameters on kerf width in Monel 400 doi.org/10.1016/j.matpr.2020.05.471	Materials Today: Proceedings	July 2020	Online Published
30.	N.E Arunkumar	Influence of near-dry ambiance on WEDM of Monel superalloy doi.org/10.1080/10426914.2020.1866191	Materials and Manufacturing Processes	December 2020	Pages 1-9
31.	SM Mullaikodi	Development of Hybrid Friction Material for Brake Pad Application	IOP Conf. Series: Materials Science and Engineering	September 2020	Volume 923 Issue 012039

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32.	SM Mullaikodi	Analysis and Optimization of Abrasive water Jet Machining processes on the hybrid nano particle reinforced Aluminum alloy matrix composite material	IOP Conf. Series: Materials Science and Engineering	September 2020	Volume 923 Issue 012037
33.	N. Prasanaa Iyer	Review on Fiber reinforced/modified Bismaleimide resin composites for Aircraft Structure Application doi.org/10.1088/1757-899X/923/1/012051	IOP Conference Series: Materials Science and Engineering	September 2020	Volume923 Issue1Pages 012051
34.	K.M.B.Karthikeyan	Tensile test fractography of subzero treated EN24 alloy steel doi.org/10.1016/j.matpr.2020.11.192	Materials Today Proceedings	December 2020	Online Published
35.	K.M.B.Karthikeyan	A hybrid Taguchi based grey relational analysis of hard turning of subzero treated EN24 alloy steel	Materials Today Proceedings	December 2020	Online Published
36.	K.M.B.Karthikeyan	Thermophysical and wear properties of eco-friendly nano lubricants doi.org/10.1016/j.matpr.2020.07.128	Materials Today Proceedings	August 2020	Online Published
37.	K.M.B.Karthikeyan	Pressure Vessel Design by Design by Analysis Route	IOP Conference Series: Materials Science and Engineering	September 2020	Issue1 Page012020
38.	Mr.J.Vijayanand	Thermophysical and wear properties of eco-friendly nano lubricants doi.org/10.1016/j.matpr.2020.07.128	Materials Today Proceedings	August 2020	Online Published
39.	M Ganesh	Multi-response optimization of Ti-6Al-4V milling using AlCrN/TiAlN coated tool under cryogenic cooling doi.org/10.1016/S0924-0136(96)00030-1	Journal of Production Systems and Manufacturing Science	June 2020	68(3), 262–274.

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40.	Mr.G.Kasirajan	Tensile and wear behaviour of friction stir welded AA5052 and AA6101-T6 aluminium alloys: effect of welding parameters https://doi.org/10.1051/metal/2020039	Metallurgical Research & Technology	July 2020	Volume117 Issue4Pages 405413
41.	M.subramaniam	Optimization of process parameters in friction stir welded dissimilar magnesium alloys using RSM	Materials Today Proceedings	December 2020	Online Published
42.	M.subramaniam	Implementation and optimisation of minimum quantity lubrication for machining LM 4 aluminium alloy	Materials Today Proceedings	December 2020	Online Published
43.	T.Balasubramanian	Tensile test fractography of sub-zero treated EN24 alloy steel doi.org/10.1016/j.matpr.2020.11.192	Materials Today Proceedings	December 2020	Online Published
44.	T.Balasubramanian	A hybrid Taguchi based grey relational analysis of hard turning of sub- zero treated EN24 alloy steel	Materials Today Proceedings	December 2020	Online Published
45.	T.Balasubramanian	Pressure Vessel Design by Design by Analysis Route	IOP Conference Series: Materials Science and Engineering	September 2020	Issue1 Pages 012020
46.	K.Muninathan	Experimental and Numerical Analysis of Autothermal Portable Charcoal Kiln using Casuarina Wood 10.1109/ICSCAN49426.2020.9262413	International Conference on System, Computation, Automation and Networking (ICSCAN)	2020	--
47.	K.Muninathan	Experimental and Numerical Studies on Catalytic Converter to Reduce CO2 Emissions in IC Engines 10.1109/ICSCAN49426.2020.9262340	International Conference on System, Computation,	2020	--

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			Automation and Networking (ICSCAN)		
48.	K.Muninathan	CFD Analysis on Performance Improvement of Impeller Mixing Solid Waste in Anaerobic Digestion 10.1109/ICSCAN49426.2020.9262450	International Conference on System, Computation, Automation and Networking (ICSCAN)	2020	--
49.	K.Muninathan	Effect of Wood Size and Stacking on Pyrolysis Process using Prosopis Juliflora 10.1088/1757-899X/923/1/012014	International Conference on System, Computation, Automation and Networking (ICSCAN)	2020	--
50.	K. Muninathan	Experimental Analysis of Al-359 reinforced with B4C and Al2O3 Composite. 10.1088/1757-899X/923/1/012007	IOP Conference Series: Materials Science and Engineering	September 2020	Vol923 ,1
51.	K.Muninathan	Static Analysis of Aluminum 6063 Alloy for Steering Knuckle Application in Student Formula C 10.1088/1757-899X/923/1/012066.	IOP Conference Series: Materials Science and Engineering	September 2020	Vol923 ,1
52.	K.Muninathan	Experimental and Numerical Studies of Thermal Energy Storage using Paraffin Wax Phase Change Materials, 1088/1757-899X/923/1/012067.	IOP Conference Series: Materials Science and Engineering	September 2020	Vol923 ,1
53.	K. Muninathan	Experimental Investigation of Eco-Friendly and Energy Efficient Auto and Alloy Thermal Charcoal Kiln	IOP Conference Series: Materials Science and Engineering	September 2020	Vol923 ,1
54.	P. Premkumar	Pressure Vessel Design by Design by Analysis Route	Materials Science and Engineering	September 2020	Vol923 ,1,12020
55.	P. Premkumar	Influence of Tool Pin Profile in Underwater Friction Stir Welding of Aluminium 6061 Alloy	Materials Science and Engineering	September 2020	Vol923 ,1,12036

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56.	A. Ruskin Bruce	Pressure Vessel Design by Design by Analysis Route	IOP Conference Series: Materials Science and Engineering	September 2020	Issue1Page 012020
57.	A. Ruskin Bruce	Influence of Tool Pin Profile in Underwater Friction Stir Welding of Aluminium 6061 Alloy	Materials Science and Engineering	September 2020	Vol923 ,1,12036
58.	V. Ashok Kumar	Experimental and Numerical Studies of Thermal Energy Storage using Paraffin Wax Phase Change Materials, 1088/1757-899X/923/1/012067.	IOP Conference Series: Materials Science and Engineering	September 2020	Vol923 ,1,
59.	N.Sathishkumar	Influence of near-dry ambience on WEDM of Monel superalloy doi.org/10.1080/10426914.2020.1866191	Materials and Manufacturing Processes	December 2020	Pages 1-9
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63.	N.Sathishkumar	Influence of near dry wirecut electrical discharge machining parameters on kerf width in Monel 400 doi.org/10.1016/j.matpr.2020.05.471	Materials Today: Proceedings	July 2020	Online Published