## Sandeep Rathee

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Additive manufacturing: recent trends, applications and future outlooks. Progress in Additive Manufacturing, 2022, 7, 261-287.	2.5	38
2	Fabrication of Functionally Graded Materials (FGMs) Via Additive Manufacturing Route. Composites Science and Technology, 2022, , 191-213.	0.4	2
3	A Study on the Effect of Incorporation of SiC Particles during Friction Stir Welding of Al 5059 Alloy. Silicon, 2021, 13, 2209-2219.	1.8	16
4	Microstructural and microhardness study on fabrication of Al 5059/SiC composite component via a novel route of friction stir additive manufacturing. Materials Today: Proceedings, 2021, 39, 1775-1780.	0.9	16
5	Parametric optimization of friction stir welding of Al-Mg-Si alloy: A case study. Yugoslav Journal of Operations Research, 2021, 31, 265-272.	0.5	2
6	Influence of activated flux on micro-structural and mechanical properties of AISI 1018 during MIG welding. Materials Today: Proceedings, 2021, 47, 6947-6952.	0.9	8
7	Influence of activated flux on weld bead hardness of MIG welded austenitic stainless steel. Materials Today: Proceedings, 2021, 47, 6884-6888.	0.9	5
8	Activated flux TIG welding of dissimilar SS202 and SS304 alloys: Effect of oxide and chloride fluxes on microstructure and mechanical properties of joints. Materials Today: Proceedings, 2021, 47, 7189-7195.	0.9	9
9	Friction stir welding: An overview on effect of tool variables. Materials Today: Proceedings, 2021, 47, 7196-7202.	0.9	10
10	Effect of tool rotational speed on weld quality of friction stir welded AA6061 alloys. Materials Today: Proceedings, 2021, 47, 7203-7207.	0.9	4
11	Metal additive manufacturing using friction stir engineering: A review on microstructural evolution, tooling and design strategies. CIRP Journal of Manufacturing Science and Technology, 2021, 35, 560-588.	2.3	36
12	Layout Optimization for FDM Process by Multi-objective Optimization Using RSM and GRA. Materials Forming, Machining and Tribology, 2021, , 505-515.	0.7	3
13	Investigating the Effects of SiC Particle Sizes on Microstructural and Mechanical Properties of AA5059/SiC Surface Composites During Multi-Pass FSP. Silicon, 2019, 11, 797-805.	1.8	29
14	Design and Processing of Functionally Graded Material: Review and Current Status of Research. , 2019, , 243-255.		5
15	Estimating percentage contribution of process parameters towards build time of FDM process for components displaying spatial symmetry: a case study. International Journal of Materials and Product Technology, 2019, 58, 201.	0.1	9
16	A Review on Recent Progress in Solid State Friction Based Metal Additive Manufacturing: Friction Stir Additive Techniques. Critical Reviews in Solid State and Materials Sciences, 2019, 44, 345-377.	6.8	90
17	Optimisation of friction stir processing parameters to fabricate AA6063/SiC surface composites using Taguchi technique. International Journal of Materials and Product Technology, 2019, 58, 16.	0.1	18
18	Investigation on underwater FSP of Al-Mg-Si alloy surface composites. Materials Research Express, 2019, 6, 026520.	0.8	7

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19       Nuestigation on the Effects of Silicon Carbide and Cooling Medium during Multi-Pase FSP of AEMgl       1.8       40         20       Impact and Forecasting of Additive Manufacturing , 2019, 259 268.       1         21       Optimisation of finction stir processing parameters to fabricate AA6053/SIC surface composites using auchi technique. International Journal of Materials and Product Technicology. 2019, 58, 16.       0.1       8         22       Epitometry approximation of process parameters to and Product Technicology. 2019, 58, 16.       0.1       0         23       Additive Manufacturing, 2019, 1352558.       2       0       0         24       Materials for Additive Manufacturing. 2019, 1355258.       2       0       0         25       Additive Manufacturing Processes. 2019, 253258.       2       0       0         26       Evolution of Additive Manufacturing .2019, 159-186.       0       0       0         27       Additive Manufacturing Processes. 2019, 157-202.       0       0       0       0         28       Optimisation of Additive Manufacturing with Conventional Manufacturing Processes. 2019, 1524.       0       0       0       0         29       Optimisation of FAM processes parameters by Taguchi methed for imparting customised properties to and strategies.       2,7       63       3         20       Optimisati	#	Article	IF	CITATIONS
20     Impact and Forecasting of Additive Manufacturing , 2019, , 259-268.     1       21     Optimization of firltion sit is processing parameters to fabricate AddotS/SIC surface composites using components displaying spatial symmetry: a case study. International Journal of Materials and Product     0.1     3       22     Estimating percentage contribution of process parameters towards build time of FDM process for components displaying spatial symmetry: a case study. International Journal of Materials and Product     0.1     0       23     Additive Manufacturing Applications , 2019, 235-258.     2     0       24     Materials for Additive Manufacturing , 2019, 169-186.     0       25     Koldtive Manufacturing Processes , 2019, 25-38.     2       26     Evolution of Additive Manufacturing Technologies , 2019, 187-202.     0       27     Additive Manufacturing Processes Utilizing Material Jetting , 2019, 117-130.     0       28     Comparison of Additive Manufacturing with Conventional Manufacturing Processes, 2019, 13-24.     0       29     Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 202 210.     5,3     72       21     Suste and strategies in composite fabrication via friction stir processing: A review. Materials and Suste Strategies in composite fabrication via friction stir processing. A review. Materials and Suste Strategies in composite fabrication via friction stir processing: A review. Materials and Suste Strategies in composite fabrication vi	19	Investigation on the Effects of Silicon Carbide and Cooling Medium during Multi-Pass FSP of Al-Mg/ SiC Surface Composites. Silicon, 2019, 11, 2149-2157.	1.8	40
21Optimisation of friction stir processing parameters to fabricate AA6063/SIC surface composites using Taggehi technology, 2019, 55, 16.0.1322Components displaying syntal symmetry: a case study. International Journal of Materials and Product Technology, 2019, 55, 201.0.1023Additive Manufacturing Applications., 2019, 235-258.224Materials for Additive Manufacturing, 2019, 169-186.025Additive Manufacturing Processes, 2019, 25-38.226Evolution of Additive Manufacturing Technologies., 2019, 187-202.027Additive Manufacturing Processes 1, 2019, 187-202.028Additive Manufacturing Processes Utilizing Material Jetting., 2019, 117-130.029Comparison of Additive Manufacturing With Conventional Manufacturing Processes., 2019, 13-24.029Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019, 13-24.029Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019, 13-24.020Optimisation of FDM process parameters by Taguichi method for Imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.5.330Optimisation of reliforcement particles in surface composite fabrication via friction stir processing: systems. Via Friction Stir Processing: A review. Materials and Systems. 2018, 33, 239-261.2.731Issues and strategies in composite fabrication via friction stir processing: Systems. Via Friction Stir Processing. Critical Reviews in Solid State and Manufacturing Processes, 2018, 33, 239-261.3.832 <td>20</td> <td>Impact and Forecasting of Additive Manufacturing. , 2019, , 259-268.</td> <td></td> <td>1</td>	20	Impact and Forecasting of Additive Manufacturing. , 2019, , 259-268.		1
22       Estimating percentage contribution of process parameters towards build time of FDM process for components diplaying spatial symmetry: a case study. International Journal of Materials and Product       0.1       0         23       Additive Manufacturing Applications., 2019., 235-258.       2         24       Materials for Additive Manufacturing . 2019., 169-186.       0         25       Additive Manufacturing Processes., 2019., 25-38.       2         26       Evolution of Additive Manufacturing Technologies., 2019., 187-202.       0         27       Additive Manufacturing Design and Strategies., 2019., 187-202.       0         28       Additive Manufacturing Processes Utilizing Material Jetting., 2019., 117-130.       0         29       Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019., 13-24.       0         29       Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019., 13-24.       0         20       Distribution of reinforcement particles in surface composite fabrication via friction stir processing:       2.7       63         31       Distribution of reinforcement particles in surface composite fabrication stir processing:       2.7       105         32       Issues and strategies in composite fabrication via friction stir processing:       2.7       105         33       Systems via Frecent Progress in Solid State Fabrication of Composit	21	Optimisation of friction stir processing parameters to fabricate AA6063/SiC surface composites using Taguchi technique. International Journal of Materials and Product Technology, 2019, 58, 16.	0.1	3
23Additive Manufacturing Applications., 2019,, 235-258.224Materials for Additive Manufacturing., 2019,, 169-186.025Additive Manufacturing Processes., 2019,, 25-38.226Evolution of Additive Manufacturing Technologies., 2019,, 39-50.027Additive Manufacturing Design and Strategles., 2019,, 187-202.028Additive Manufacturing Processes Utilizing Material Jetting., 2019,, 117-130.029Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019,, 13-24.030Optimisation of FDM process parameters by Taguchi method for Imparting customised properties to components. Virtual and Physical Prototyping. 2018, 13, 203-210.5.37231Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Surfable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.2.75332Seuses and strategies in composite fabrication via friction stir processing: Manufacturing Processes, 2018, 33, 239-261.2.710533Ageview of Recent Progress in Solid State Fabrication of Composites and Functionally Graded State 34-366.8.811834Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SIC surface Ge6511.0.81335Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy Ge6511.0.81335Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy Ge6511.0.813	22	Estimating percentage contribution of process parameters towards build time of FDM process for components displaying spatial symmetry: a case study. International Journal of Materials and Product Technology, 2019, 58, 201.	0.1	0
24Materials for Additive Manufacturing, 2019,, 169-186.025Additive Manufacturing Processes, 2019,, 25-38.226Evolution of Additive Manufacturing Technologies, 2019,, 39-50.027Additive Manufacturing Design and Strategles, 2019,, 187-202.028Additive Manufacturing Processes Utilizing Material Jetting, 2019,, 117-130.029Comparison of Additive Manufacturing with Conventional Manufacturing Processes, 2019,, 13-24.020Optimisation of FDM process parameters by Taguchi method for imparting customised properties to Suitable strategies in composite fabrication via friction stir processing: Suitable strategies in composite fabrication of Composites and Hunctional Sciences, 2018, 43, Suitable strategies in composite fabrication via friction stir processing: 	23	Additive Manufacturing Applications. , 2019, , 235-258.		2
25Additive Manufacturing Processes., 2019,, 25-38.226Evolution of Additive Manufacturing Technologies., 2019,, 39-50.027Additive Manufacturing Design and Strategles., 2019,, 187-202.028Additive Manufacturing Processes Utilizing Material Jetting., 2019,, 117-130.029Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019,, 13-24.030Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.5.37231Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategies in composite fabrication via friction stir processing: Manufacturing Processes, 2018, 33, 262-269.7.35332Issues and strategies in composite fabrication of Composites and Functionally Craded 393.34-366.118118334-366.Influence of multiple-passes on microstructure and mechanical properties of AI-Mg/SIC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, 066511.0.81334Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy0.526	24	Materials for Additive Manufacturing. , 2019, , 169-186.		0
26Evolution of Additive Manufacturing Technologies., 2019,, 39-50.027Additive Manufacturing Design and Strategies., 2019,, 187-202.028Additive Manufacturing Processes Utilizing Material Jetting., 2019,, 117-130.029Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019,, 13-24.030Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.5.37231Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.2.75332Issues and strategies in composite fabrication of Composites and Functionally Graded Systems Via Priction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, Ge6511.6.811833Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SIC surface composites fabrication of fused deposition modelling process parameters by Ranufacturing RSM and fuzzy Of 66511.0.81334Multi-objective optimisation of fused deposition modelling process parameters by Ranufacturing RSM and fuzzy Of the public true and sunderwater friction stir process parameters by Ranufacturing RSM and fuzzy Of the public true and sundarcater material libra modelling RSM and fuzzy Of the public true and sundarcater material libra modelling RSM and fuzzy Of the public true and sundarcater fuzzy0.526	25	Additive Manufacturing Processes. , 2019, , 25-38.		2
27Additive Manufacturing Design and Strategies, 2019, 187-202.o28Additive Manufacturing Processes Utilizing Material Jetting, 2019, 117-130.o29Comparison of Additive Manufacturing with Conventional Manufacturing Processes, 2019, 13-24.o30Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.5.37231Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.2.75332Issues and strategies in composite fabrication via friction stir processing: A review. Materials and Manufacturing Processes, 2018, 33, 239-261.2.710533Systems Via Friction Stir Processing. Critical Reviews in Solid State Fabrication of Composites and Functionally Graded composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 43, 334-366.0.811834Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, 066511.0.81335Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy0.526	26	Evolution of Additive Manufacturing Technologies. , 2019, , 39-50.		0
28Additive Manufacturing Processes Utilizing Material Jetting, 2019, 117-130.o29Comparison of Additive Manufacturing with Conventional Manufacturing Processes., 2019, 13-24.o30Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.5.37231Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.2.75332Issues and strategies in composite fabrication via friction stir processing: Manufacturing Processes, 2018, 33, 239-261.2.710533AReview of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 34-366.6.811834Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, oe6511.0.81335Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy of for build time and support meterial. International lourned fabrication Sciences, 2018, 7, 20	27	Additive Manufacturing Design and Strategies. , 2019, , 187-202.		0
29Comparison of Additive Manufacturing with Conventional Manufacturing Processes. , 2019, , 13-24.030Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.5.37231Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.2.75332Issues and strategies in composite fabrication via friction stir processing: A review. Materials and Manufacturing Processes, 2018, 33, 239-261.2.710533A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 06.86.811834Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir process parameters using RSM and fuzzy0.52635Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy0.526	28	Additive Manufacturing Processes Utilizing Material Jetting. , 2019, , 117-130.		0
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31Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.2.75332Issues and strategies in composite fabrication via friction stir processing: A review. Materials and Manufacturing Processes, 2018, 33, 239-261.2.710533A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 334-366.6.811834Influence of multiple-passes on microstructure and mechanical properties of AI-Mg/SiC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, 066511.0.81335Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy logic for build time and support material. International Journal of Rapid Manufacturing, 2018, 7, 25.0.526	30	Optimisation of FDM process parameters by Taguchi method for imparting customised properties to components. Virtual and Physical Prototyping, 2018, 13, 203-210.	5.3	72
32Issues and strategies in composite fabrication via friction stir processing: A review. Materials and Manufacturing Processes, 2018, 33, 239-261.2.710533A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 334-366.6.811834Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, 066511.0.81335Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy logic for build time and support material. International Journal of Rapid Manufacturing, 2018, 7, 25.0.526	31	Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.	2.7	53
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<ul> <li>Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, 0.8 13 066511.</li> <li>Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy 0.5 26</li> </ul>	33	A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 334-366.	6.8	118
Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy <sup>35</sup> logic for build time and support material. International Journal of Rapid Manufacturing, 2018, 7, 25, 0.5 26	34	Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing. Materials Research Express, 2018, 5, 066511.	0.8	13
	35	Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy logic for build time and support material. International Journal of Rapid Manufacturing, 2018, 7, 25.	0.5	26

Friction Deposition-Based Additive Manufacturing Techniques. , 2018, , 75-96.

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37	Multi-objective optimisation of fused deposition modelling process parameters using RSM and fuzzy logic for build time and support material. International Journal of Rapid Manufacturing, 2018, 7, 25.	0.5	2
38	Friction Stir Welding-Based Additive Manufacturing Techniques. , 2018, , 97-124.		0
39	Applications and Challenges of Friction Based Additive Manufacturing Technologies. , 2018, , 125-134.		0
40	Friction Based Joining Techniques. , 2018, , 41-57.		0
41	Additive Manufacturing Technologies. , 2018, , 11-40.		0
42	General Introduction and Need of Friction Based Additive Manufacturing Techniques. , 2018, , 1-9.		1
43	Friction Joining-Based Additive Manufacturing Techniques. , 2018, , 59-74.		0
44	Effect of varying spatial orientations on build time requirements for FDM process: A case study. Defence Technology, 2017, 13, 92-100.	2.1	24
45	Investigating Effects of Groove Dimensions on Microstructure and Mechanical Properties of AA6063/SiC Surface Composites Produced by Friction Stir Processing. Transactions of the Indian Institute of Metals, 2017, 70, 809-816.	0.7	48
46	Multi-Response Optimization of Fused Deposition Modelling Process Parameters of ABS Using Response Surface Methodology (RSM)-Based Desirability Analysis. Materials Today: Proceedings, 2017, 4, 1972-1977.	0.9	27
47	Analysis of Microstructural Changes in Enhancement of Surface Properties in Sheet Forming of Al alloys via Friction Stir Processing. Materials Today: Proceedings, 2017, 4, 452-458.	0.9	23
48	Effect of tool plunge depth on reinforcement particles distribution in surface composite fabrication via friction stir processing. Defence Technology, 2017, 13, 86-91.	2.1	77
49	Process parameters optimization for enhanced microhardness of AA 6061/ SiC surface composites fabricated via Friction Stir Processing (FSP). Materials Today: Proceedings, 2016, 3, 4151-4156.	0.9	34
50	Virtual Design, Modelling and Analysis of Functionally graded materials by Fused Deposition Modeling. Materials Today: Proceedings, 2016, 3, 3660-3665.	0.9	14
51	An Integrated RSM-GA Based Approach for Multi Response Optimization of FDM Process Parameters for Pyramidal ABS Primitives. Journal for Manufacturing Science and Production, 2016, 16, 201-208.	0.1	7
52	Multi-Objective Optimization of Bead Geometry for Submerged Arc Welding of Pipeline Steel Using RSM-Fuzzy Approach. Journal for Manufacturing Science and Production, 2016, 16, 141-151.	0.1	9
53	Experimental Investigation of Process Parameters for Build Time Estimation in FDM Process Using RSM Technique. Lecture Notes in Mechanical Engineering, 2016, , 229-241.	0.3	3
54	Integration of Fuzzy Logic with Response Surface Methodology for Predicting the Effect of Process Parameters on Build Time and Model Material Volume in FDM Process. Lecture Notes in Mechanical Engineering, 2016, , 195-206.	0.3	4

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55	Functionally Graded Materials (FGMs). , 0, , .		4
56	Additive Manufacturing. , 0, , .		26

Additive Manufacturing., 0,,. 56