

S.No	Title of Publication	Year
1.	Optimization of wear parameters of Mg-(5.6 Ti+ 3Al)-2.5 B4C composite S Sathish, V Anandakrishnan, G Manoj Industrial Lubrication and Tribology	2019
2.	Experimental investigations on the effect of pre-positioned wire electron beam additive manufacturing process parameters on the layer geometry of titanium 6Al4V A Manjunath, V Anandakrishnan, S Ramachandra, K Parthiban Materials Today: Proceedings	2019
3.	Experimental investigations on the effect of wire arc additive manufacturing process parameters on the layer geometry of Inconel 825 CHB Kumar, V Anandakrishnan Materials Today: Proceedings	2019
4.	Modelling and analysis of abrasive water jet machining of AA2014 alloy with Al ₂ O ₃ abrasive using fuzzy logic K Verma, V Anandakrishnan, S Sathish Materials Today: Proceedings	2019
5.	Wear testing of in situ cast AA8011-TiB ₂ metal matrix composites BMM Selvan, V Anandakrishnan, M Duraiselvam, S Sundarameenakshi Materials Testing 61 (8), 779-786	2019
6.	Determination of friction stir processing window for AA7075 G Girish, V Anandakrishnan Materials Today: Proceedings	2019
7.	Optimization of tribological behavior of magnesium metal-metal composite using pattern search and simulated annealing techniques S Sathish, V Anandakrishnan, M Gupta Materials Today: Proceedings	2019
8.	Investigation on the abrasive water jet machinability of AA2014 using SiC as abrasive	2019

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	R Shibin, V Anandakrishnan, S Sathish, VM Sujana Materials Today: Proceedings	
9.	Microstructure and properties of high strength Al-Fe-Cu-Si-Zn alloy (AA8079) produced by mechanical alloying and powder metallurgy M Meignanamoorthy, M Ravichandran, VS Vidhya, V Anandakrishnan Materials Testing 61 (7), 627-634	2019
10.	Investigations on Corrosion Behaviour of Composites AA 8011-ZrB ₂ in Situ Metal Matrix BMM Selvan, V Anandakrishnan Advances in Manufacturing Technology: Select Proceedings of ICAMT 2018, 335	2019
11.	O Tribological Composites by Behavior Powder of Metallurgy AZ91–Al ₂ O ₃ N Keerthivasan, S Selvaraj, V Anandakrishnan, E Thayumanvan Advances in Manufacturing Technology: Select Proceedings of ICAMT 2018, 453	2019
12.	Tribological Behavior of AZ91–Al ₂ O ₃ Composites by Powder Metallurgy N Keerthivasan, S Selvaraj, V Anandakrishnan, E Thayumanvan Advances in Manufacturing Technology, 453-461	2019
13.	Investigations on Corrosion Behaviour of AA 8011-ZrB ₂ in Situ Metal Matrix Composites BMM Selvan, V Anandakrishnan Advances in Manufacturing Technology, 335-342	2019
14.	Optimization of Coefficient of Friction for Direct Metal Laser Sintered Inconel 718 S Sathish, V Anandakrishnan, V Dillibabu, D Muthukannan, ... Advances in Manufacturing Technology, 371-379	2019
15.	DIELECTRIC PERMITTIVITY, EMW FILTERING AND MECHANICAL STRENGTH BEHAVIOUR OF Cu-PARTICLE/MICROWIRE-MESH REINFORCED UNSATURATED POLYESTER COMPOSITE IN 2-18GHz MICROWAVE REGION H Sandeep, R Christupaul, V Anandakrishnan, S Sathish	2019

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16.	Tribological behavior of AA7075-TiC composites by powder metallurgy C Saravanan, K Subramanian, V Anandakrishnan, S Sathish Industrial Lubrication and Tribology	2018
17.	Multi-objective Optimization of Cold Upsetting Parameters for Aluminium Metal Matrix Composites PP Shantharaman, M Prabhakar, V Anandakrishnan, S Sathish Transactions of the Indian Institute of Metals 71 (4), 909-914	2018
18.	ANALYSIS OF MICRO HARDNESS AND MICRO STRUCTURE PROPERTIES AND OF ALLOY STEEL GR. 22 MATERIAL WELDED BY GMAW PROCESS K Karthikeyan, V Anandakrishnan	2018
19.	Multi Objective Optimization of Wear Behaviour of In Situ AA8011-ZrB ₂ Metal Matrix Composites by Using Taguchi-Grey Analysis BM Selvan, V Anandakrishnan, M Duraiselvam, R Venkatraman, ... Materials Science Forum 928, 162-167	2018
20.	Investigations on electric discharge machining of copper-Al ₂ O ₃ -Gr powder metallurgy composites R Gnanasekaran, JB Raj, V Anandakrishnan International Journal of Additive and Subtractive Materials Manufacturing 2 ...	2018
21.	Statistical analysis of Co-efficient of friction during dry sliding wear behaviour of TiC reinforced Aluminium Metal Matrix Composites S Baskaran, V Anandakrishnan Materials Today: Proceedings 5 (6), 14273-14280	2018
22.	Recent Issues in Materials and Manufacturing M Ravichandran, V Anandakrishnan, IM Duraiselvam, A Pramanik Advances in Mechanical Engineering 9 (12), 1687814017743107	2017
23.	Synthesis, characterization and forming behavior of hybrid copper matrix composites produced using powder metallurgy I Karuppiah, RK Poovaraj, A Veeramani, S Shanmugam, R Manickam, ...	2017

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	International Journal of Materials Research 108 (7), 586-591	
24.	Accelerated Short-Term Techniques to Evaluate Corrosion in TiC Reinforced AA6063 Composites S Saravanan, T Palanisamy, M Ravichandran, V Anandakrishnan, ... JOURNAL OF ADVANCES IN CHEMISTRY 13 (10), 5905-5913	2017
25.	Mechanical, electrical, and corrosion behavior of AA6063/TiC composites synthesized via stir casting route S Saravanan, P Senthilkumar, M Ravichandran, V Anandakrishnan Journal of Materials Research 32 (3), 606-614	2017
26.	Workability behavior of hybrid copper matrix composites synthesized by powder metallurgy technique K Ilayaraja, P Ranjith Kumar, V Anandakrishnan, N Sathish, ... Mechanics and Mechanical Engineering 21 (2)	2017
27.	Multi-Objective Optimization Of Electric Discharge Machining Of Hybrid Copper Composite Using Taguchi Grey Relational Analysis RR K Ilayaraja, P Ranjith Kumar, Anandakrishnan Veeramani, S Sathish, M ... Journal of Advances in Chemistry 13 (01), 5923-5928	2017
28.	Hot Upset Studies on Sintered (Al–TiO ₂ –Gr) Powder Metallurgy Hybrid Composite M Ravichandran, V Anandakrishnan Strength of Materials 48 (3), 450-459	2016
29.	Optimization of welding parameters to attain maximum strength in friction stir welded AA7075 joints VA Manickam Ravichandran, Mokkaia Thirunavukkarasu, Shanmugam Sathish Materials Testing 58 (Issue 3), 206-210	2016
30.	Analysis and Comparison of Mechanical Properties of Alloy Steel gr. 22 Material Welded by GMAW Process with Conventional SMAW Process K Karthikeyan, V Anandakrishnan, R Alagesan Indian Journal of Engineering, Science, and Technology 10 (1), 53	2016

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31.	Optimization of powder metallurgy parameters to attain maximum strength coefficient in Al–10 wt% MoO ₃ composite M Ravichandran, V Anandakrishnan Journal of materials research 30 (15), 2380-2387	2015
32.	Synthesis and forming characteristics of Al–TiO ₂ powder metallurgy composites during cold upsetting under plane stress state conditions M Ravichandran, A Naveen Sait, V Anandakrishnan Journal of Sandwich Structures & Materials 17 (3), 278-294	2015
33.	Surface engineering of stainless steel A Pramanik, F Hakami, A Basak, MN Islam, V Anandakrishnan Stainless Steel: Microstructure, Mechanical Properties and Methods of ...	2015
34.	Challenges and recent developments on nanoparticle-reinforced metal matrix composites AK Basak, A Pramanik, MN Islam, V Anandakrishnan Fillers and Reinforcements for Advanced Nanocomposites, 349-367	2015
35.	Weldability and machinability of duplex stainless steel A Pramanik, A Basak, J Nomani, G Littlefair, MN Islam, V Anandakrishnan Stainless Steel: Microstructure, Mechanical Properties and Methods of ...	2015
36.	Workability studies on Al+ 2.5% TiO ₂ + Gr powder metallurgy composites during cold upsetting M Ravichandran, AN Sait, V Anandakrishnan Materials Research 17 (6), 1489-1496	2014
37.	Experimental investigation and performance analysis of cemented carbide inserts of different geometries using Taguchi based grey relational analysis N Senthilkumar, T Tamizharasan, V Anandakrishnan Measurement 58, 520-536	2014
38.	The effects of various reinforcements on dry sliding wear behaviour of AA 6061 nanocomposites D Jeyasimman, R Narayanasamy, R Ponalagusamy, V Anandakrishnan, ...	2014

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	Materials & Design 64, 783-793	
39.	Al–TiO ₂ –Gr powder metallurgy hybrid composites with cold upset forging M Ravichandran, AN Sait, V Anandakrishnan Rare Metals 33 (6), 686-696	2014
40.	Synthesis of electric discharge alloyed nickel–tungsten coating on tool steel and its tribological studies I Arun, M Duraiselvam, V Senthilkumar, R Narayanasamy, ... Materials & Design 63, 257-262	2014
41.	Multi-objective optimization of upsetting parameters of Al–TiC metal matrix composites: A grey Taguchi approach MK Sahu, A Valarmathi, S Baskaran, V Anandakrishnan, RK Pandey Proceedings of the Institution of Mechanical Engineers, Part B: Journal of ...	2014
42.	Investigations on dry sliding wear behavior of in situ casted AA7075–TiC metal matrix composites by using Taguchi technique S Baskaran, V Anandakrishnan, M Duraiselvam Materials & Design 60, 184-192	2014
43.	Densification and deformation studies on powder metallurgy Al–TiO ₂ –Gr composite during cold upsetting M Ravichandran, AN Sait, V Anandakrishnan Journal of Materials Research 29 (13), 1480-1487	2014
44.	Development of carbide intermetallic layer by electric discharge alloying on AISI-D2 tool steel and its wear resistance I Arun, P Vaishnavi, M Duraiselvam, V Senthilkumar, V Anandakrishnan International Journal of Materials Research 105 (6), 544-551	2014
45.	Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites B Selvam, P Marimuthu, R Narayanasamy, V Anandakrishnan, KS Tun, ... Materials & Design 58, 475-481	2014

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46.	Effect of TiO ₂ in aluminum matrix on workability behavior of powder metallurgy composites during cold upsetting M Ravichandran, AN Sait, V Anandakrishnan International Journal of Materials Research 105 (4), 358-364	2014
47.	Synthesis and forming behavior of aluminium-based hybrid powder metallurgic composites M Ravichandran, AN Sait, V Anandakrishnan International Journal of Minerals, Metallurgy, and Materials 21 (2), 181-189	2014
48.	An Investigation on Instantaneous Workability Behavior of Aluminium SiC Air Quenched Powder Composites During Cold Upsetting M Prabhakar, T Ramesh, R Narayanasamy, V Anandakrishnan Asian Journal of Science and Applied Technology 3 (2), 12-24	2014
49.	An hybrid Taguchi-grey relational technique and cuckoo search algorithm for multi-criteria optimization in hard turning of AISI D3 steel N Senthilkumar, T Tamizharasan, V Anandakrishnan J Adv Eng Res 1 (1), 16-31	2014
50.	Synthesis of Al7075 Alloy/Al ₂ O ₃ Composite and Corrosion Study R Devi, C Raja, S Sivaprakash, V Anandakrishnan Advanced Materials Research 984, 541-545	2014
51.	Synthesis and characterization of Al7075, Al7075-10 vol.% Al ₂ O ₃ composite prepared by high-energy ball milling C Raja, R Devi, S Sivaprakash, V Anandakrishnan Applied Mechanics and Materials 592, 755-759	2014
52.	Taguchi Grey Relational Analysis of Dry Sliding Wear Behaviour of Annealed AA7075-TiC metal matrix composites S Baskaran, V Anandakrishnan, M Durai Selvam, S Raghuraman, ... Applied Mechanics and Materials 541, 258-262	2014

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53.	Effect of Heat Treatment on Wear Behavior of Hot Extruded AA7075-4% TiC In Situ Metal Matrix Composite S Baskaran, BM Selvan, V Anandakrishnan, R Venkatraman, ... Applied Mechanics and Materials 541, 263-267	2014