

S.No	Title of Publication	Year
1.	Analysis on mechanical properties of gas tungsten arc welded dissimilar aluminium alloy (Al2024 & Al6063) S Vijay, S Rajanarayanan, GN Ganeshan Materials Today: Proceedings	2019
2.	Effect of tool material, profile and D/d ratio in friction stir welding of aluminium metal matrix composites P Jayaseelan, TV Christy, SJ Vijay, R Nelson Materials Research Express 6 (9), 096590	2019
3.	Desalination of water using parabolic trough collector SR Narayanan, S Vijay Materials Today: Proceedings	2019
4.	Design, manufacture and sustainable analysis of biodegradable computer mouse using solid works and 3D printer GN Ganeshan, R Kamalakannan, S Vijay Materials Today: Proceedings	2019
5.	Electrospinning of PAN–Hematite Composite Nanofiber SJ Vijay, A Tugirumubano, SH Go, LK Kwac, HG Kim Advances in Materials and Metallurgy, 495-502	2019
6.	<u>The evaluation of electromagnetic shielding properties of CFRP/metal mesh hybrid woven laminated composites</u> A Tugirumubano, SJ Vijay, SH Go, HJ Shin, KL Ku, HG Kim Journal of Composite Materials 52 (27), 3819-3829	2018
7.	Effect of nano TiO <sub>2</sub> particles on microhardness and microstructural behavior of AA7068 metal matrix composites KJ Joshua, SJ Vijay, DP Selvaraj Ceramics International	2018
8.	Comparative study of conventionally sintered Co-Ni-Al alloy with spark plasma sintered alloy GJ Arputhavalli, S Agilan, M Dinesh, SJ Vijay, R Johnson	2018

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	Science of Sintering 50 (3)	
9.	Investigation of Mechanical and Electromagnetic Interference Shielding Properties of Nickel–CFRP Textile Composites A Tugirumubano, SJ Vijay, SH Go, LK Kwac, HG Kim Journal of Materials Engineering and Performance 27 (5), 2255-2262	2018
10.	Influence of Aluminum and Iron oxide particles on the Mechanical and Magnetic Properties of Carbon Reinforced Plastics A Tugirumubano, SJ Vijay, SH Go, HJ Shin, CK Hong, LK Kwac, HG Kim 한국기계 가공학회 춘추계 학술대회 논문집, 13-13	2018
11.	Numerical simulation and experimental validation of electromagnetic properties for Al-MWCNT-Fe <sub>2</sub> O <sub>3</sub> hybrid nano-composites SJ Vijay, A Tugirumubano, SH Go, LK Kwac, HG Kim Journal of Alloys and Compounds 731, 465-470	2018
12.	Fabrication and Mechanical Characterization of Stir Cast AA6063-Borosilicate-Fly Ash Hybrid Metal Matrix Composites GJJ Wessley, AG Franklin, SJ Vijay International Journal of Engineering & Technology 7 (3.6), 101-105	2018
13.	Study on the Influence of Ceramic Particulates on AA7068 Metal Matrix Composites Synthesized by Powder Metallurgy SJ Vijay Coimbatore	2018
14.	Characterization of electromagnetic interference shielding composed of carbon fibers reinforced plastics and metal wire mesh based composites A Tugirumubano, SJ Vijay, SH Go, LK Kwac, HG Kim Journal of Materials Research and Technology	2017

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15.	Reduction of discomfort in pushing an industrial trolley using ergonomics MW Kumar, SJ Vijay, KL Vasudev, S Darius Gnanaraj Materials Science and Engineering Conference Series 263 (6), 062042	2017
16.	Characterization of Carbon Fiber Reinforced Metal Matrix Composite SJ Vijay, A Tugirumubano, SH Go, HJ Shin, LK Kwac, HG Kim 한국기계가공학회 춘추계학술대회 논문집, 29-30	2017
17.	Influence of MgO particles on Microstructural and Mechanical Behaviour of AA7068 Metal Matrix Composites KJ Joshua, SJ Vijay, DP Selvaraj, P Ramkumar IOP Conference Series: Materials Science and Engineering 247 (1), 012011	2017
18.	Mechanical Properties of Al-TiB <sub>2</sub> -ZrB <sub>2</sub> HybridMetalMatrixComposites SJ Vijay, A Tugirumubano, SH Go, LK Kwac, HG Kim 한국기계가공학회 춘추계학술대회 논문집, 4-4	2017
19.	Investigation of microstructure and mechanical properties of AA7068 reinforced with MgO prepared using powder metallurgy KJ Joshua, SJ Vijay, P Ramkumar, DP Selvaraj, HG Kim 2017 First International Conference on Recent Advances in Aerospace ...	2017
20.	Microstructure and mechanical characterization of aluminum seamless tubes produced by friction stir back extrusion N Mathew, I Dinaharan, SJ Vijay, N Murugan Transactions of the Indian Institute of Metals 69 (10), 1811-1818	2016
21.	Microstructure and wear characterization of aluminum matrix composites reinforced with industrial waste fly ash particulates synthesized by friction stir processing I Dinaharan, R Nelson, SJ Vijay, ET Akinlabi Materials Characterization 118, 149-158	2016

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22.	Microstructure and mechanical properties characterization of AA6061/TiC aluminum matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate KJ Lijay, JDR Selvam, I Dinaharan, SJ Vijay Transactions of Nonferrous Metals Society of China 26 (7), 1791-1800	2016
23.	Microstructure and mechanical characterization of AA6061/TiC in situ aluminum matrix composites synthesized by in situ reaction of silicon carbide and potassium fluotitanate KJ Lijaya, JDR Selvama, I Dinaharanb, SJ Vijaya	2016
24.	碳化硅与氟钛酸钾原位反应制备 AA6061/TiC 铝基复合材料的显微组织与力学性能表征 K JESHURUN, J DAVID, I DINAHARAN, SJ VIJAY 中国有色金属学报: 英文版 26 (7), 1791-1800	2016
25.	A Review on Developing Surface Composites Using Friction Surfacing S Mohanasundaram, SJ Vijay, M Karthikeyan Applied Mechanics and Materials 852, 402-410	2016
26.	碳化硅与氟钛酸钾原位反应制备 AA6061/TiC 铝基复合材料的显微组织与力学性能表征 (英文) KJ LIJAY, JDR SELVAM, I DINAHARAN, SJ VIJAY Transactions of Nonferrous Metals Society of China, 8	2016
27.	Synthesis and characterization of titanium carbide particulate reinforced AA6082 aluminium alloy composites via friction stir processing A Thangarasu, N Murugan, I Dinaharan, SJ Vijay Archives of Civil and Mechanical Engineering 15 (2), 324-334	2015
28.	Experimental investigation of MRR on in situ formed AA7075/TiB <sub>2</sub> cast composites machining by wire EDM S Ramabalan, HBM Rajan, I Dinaharan, SJ Vijay International Journal of Machining and Machinability of materials 17 (3-4 ...	2015

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29.	Influence of tool rotational speed on microstructure and sliding wear behavior of Cu/B4C surface composite synthesized by friction stir processing R Sathiskumar, I Dinaharan, N Murugan, SJ Vijay Transactions of Nonferrous Metals Society of China 25 (1), 95-102	2015
30.	Development of Al <sub>3</sub> Ti and Al <sub>3</sub> Zr intermetallic particulate reinforced aluminum alloy AA6061 in situ composites using friction stir processing I Dinaharan, GA Kumar, SJ Vijay, N Murugan Materials & Design 63, 213-222	2014
31.	Development of Al <sub>3</sub> Ti and Al <sub>3</sub> Zr intermetallic particulate reinforced I Dinaharan, GA Kumar, SJ Vijay, N Murugan	2014
32.	Fabrication and characterization of Cu/B4C surface dispersion strengthened composite using friction stir processing R Sathiskumar, N Murugan, I Dinaharan, SJ Vijay Archives of metallurgy and materials 59 (1), 83-87	2014
33.	Prediction of mechanical and wear properties of copper surface composites fabricated using friction stir processing R Sathiskumar, N Murugan, I Dinaharan, SJ Vijay Materials & Design 55, 224-234	2014
34.	Investigations on al6061 tib2 in situ metal matrix composites production friction stir welding and characterization SJ Vijay Chennai	2014
35.	Microstructural characterization of pure copper tubes produced by a novel method friction stir back extrusion I Dinaharan, R Sathiskumar, SJ Vijay, N Murugan Procedia Materials Science 5, 1502-1508	2014

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36.	Influence of Traverse Speed on Microstructure and Mechanical Properties of AA6082-TiC Surface Composite Fabricated by Friction Stir Processing A Thangarasu, N Murugan, I Dinaharan, SJ Vijay Procedia Materials Science 5, 2115-2121	2014
37.	Effect of tool rotational speed on microstructure and microhardness of AA6082/TiC surface composites using friction stir processing A Thangarasu, N Murugan, I Dinaharan, SJ Vijay Applied Mechanics and Materials 592, 234-239	2014
38.	Effect of TiB2 content and temperature on sliding wear behavior of AA7075/TiB2 in situ aluminum cast composites HBM Rajan, S Ramabalan, I Dinaharan, SJ Vijay Archives of civil and mechanical engineering 14 (1), 72-79	2014