

ANNEXURE – I

LIST OF PUBLICATIONS IN JOURNALS DURING THE RECOGNIZED PERIOD

SRM VALLIAMMAI ENGINEERING COLLEGE

DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH CENTER RECOGNIZED PERIOD - 2019 – 2022

Sl. No.	Author	Title of Paper	Name of the Journal	Volume No/ ISSN/ Page No	SCI/ Scopus	ANNEXURE I / II
1	Dr.K.Sivakumar	Metallurgical and Mechanical Characterization of TiCN/TiAlN/TiCNi layer nitride coatings	Elsevier-Surfaces and Interfaces	Volume: 15 Pages: 256 - 264,2019	SCI	0048-9697
2	Dr.K.Sivakumar	Machinability Studies of TiAlN-/AlCrN-Coated and Uncoated Tungsten Carbide Tools on Turning EN25 AlloySteel	Springer-Lecture Notes in Mechanical Engineering	Volume 1 2019 213-221	Scopus	0138-9130
3	Dr.G.Anbuechziyan	Effect of B ₄ C and MOS ₂ reinforcement on micro structure and wear properties of aluminum hybrid composite for automotive applications	Composites Part B: Engineering	Volume 176, 1 November 2019, 107329	SCI	1359-8368
4	Dr.G.Anbuechziyan	Effects of Silicon Carbide and Tungsten Carbide in Aluminum Metal Matrix Composites	Springer nature silicon	Volume 11, pages2625– 2632 (2019)	SCI	1876-990X
5	Dr.S.Thirugnanam	Synthesize and wet condition based characterizations of GRP / Lye treated sisal fiber hybrid composite	Materials Today: Proceedings	Volume 33, Part 7, 2020, Pages 2846- 2849	Scopus	1369-7021
6	Dr.S. Suresh Pungaiyah	Thermal Analysis and Optimization of Nano Coated Radiator Tubes Using Computational Fluid Dynamics and Taguchi Method	Coatings	Volume10(9), 804 August 2020	SCI	2282 / 2370
7	Dr.G.Anbuechziyan	Synthesis of B ₄ C and BN reinforced Al7075 hybrid composites using stir casting method	Journal of Materials Research and Technology	Volume 9, Issue 3, May– June 2020, Pages 6297- 6304	SCI	2238-7854
8	Dr.G.Anbuechziyan	Influence of microstructure and mechanical properties of TiC reinforced magnesium nano composites.	Materials Today: Proceedings	Volume 27, Part 2, 2020, Pages 1530- 1534	SCI	1369-7021

9	Dr.K.Sivakumar	Experimental investigation on emissivity of 75Ni-25Cr alloy coated Aluminium surface for the purpose of solar applications	Materials Today: Proceedings	Volume 37 August 2020 ID: 139422765	Scopus	1369-7021
10	Dr.K.Sivakumar	Effect of rib arrangements on the flow pattern and heat transfer in internally ribbed rectangular divergent channels	Materials Today: Proceedings	Volume 46, Part 9, Pages 3379-3385 2020	Scopus	1369-7021
11	Dr.S. Suresh Pungaiiah	Design of a Nano coated heat exchanger working with organic Nano fluids using a hybrid technique	Transactions of the Canadian Society for Mechanical Engineering	Volume 45, Number 2, June 2021	SCI	Nil / 11064
12	Dr.S.Thirugnanam	Study about emissivity of black chromium (BCr) coated aluminium alloy surface	Materials Today: Proceedings	Volume 37, Part 2, 2021, Pages 1239-1242	Scopus	1369-7021
13	K.Venkatesan	Evaluation and Comparison of Mechanical properties of Natural Fiber Abaca-Sisal Composite	Fibers And Polymers	Volume 21, pages 1523–1534 (2020)	SCI	3700 /3825
14	Dr.S.Thirugnanam	Utilisation possibilities of waste medium-density fiberboard: A material recycling process	Materials Today: Proceedings	Volume 59, Part 2, Pages 1362-1366 December 2021	Scopus	1369-7021
15	R.Srinivasan	Effect of addition of titanium carbide and graphite reinforcement on Al7075 hybrid metal matrix composites by gravity stir casting method	Materials Today: Proceedings	Volume 62, Part 1, Pages 86-93 Jul 2021	Scopus	1369-7021
16	K.Velavan	Implications of SiC/Al ₂ O ₃ Reinforced Al-Mg-Zn Alloy Hybrid Nano Composites Using Vacuum Sintering Method	Silicon	Volume 13, pages 3639–3647 January 2021	SCI	10120/10488
17	Dr.K.Sivakumar	Parameters optimization of Dissimilar Friction Stir Welding for AA7079 and AA8050 through RSM	Advances in Materials Science and Engineering	Volume 2021 Article ID 9723699	SCI	1687-8434
18	Dr.K.Sivakumar	Mechanical Strength and Fatigue Fracture Analysis on Al-Zn-Mg Alloy with the Influence of Creep Aging Process	Hindawi Advances in Materials Science and Engineering	DOI:10.1155/ 2021/1899128 July 2021	SCI	1687-8434

19	P.Manikanadan	Mechanical and optimization studies of polyethylene/Snail shell/Kenaf Fiber Hybrid Composites	Materials today	Sci Rep. 2022; 12: 2468. September 2022	SCI	1369-7021
20	R.Srinivasan	Effect of Age-Hardening Temperature on Mechanical and Wear Behavior of Furnace-Cooled Al7075-Tungsten Carbide Composite	Materials today	2022 Aug Volume15:53 44	SCI	1369-7021
21	Dr.S. Suresh Pungaiyah	Importance of Hardening Effect and Its Analysis on Diametrical Fractured Ends of Tensile Testing of Al and Steel	Hindawi Advances in Materials Science and Engineering	DOI:10.1155/2022/8579749 July 2022 Page 1-10	SCI	1687-8434
22	T.Muthu Krishnan	An Assessment of microstructure and tensile behavior of magnetically impelled arc butt welded AISI 409 ferritic Stainless Steel Tubes	Journal of Materials Engineering and Performance	DOI:10.1007/s11665-022-06806-4 March 2022	SCI	1059-9495
23	Dr.K.Sivakumar	A holistic framework for environment conscious based material selection and experimental assessment using digraph-based expert system.	Hindawi Scientific Programming	DOI:10.1155/2022/2112683 June 2022	SCI	1058-9244
24	T.Muthu Krishnan	Influence of arc duration on microstructure and tensile behaviour of magnetically impelled arc butt welded AISI 409 ferritic stainless steel tubes	Materials Science & Engineering	Volume 831, 13 January 2022, 142257	SCI	7825 / 8091
25	T.Muthu Krishnan	Prediction of tensile strength and assessing the influence of process parameter of magnetically impelled arc butt welded AISI 409 ferritic stainless steel tubes	The International Journal of Advanced Manufacturing Technology	Volume 118, pages417–432 (2022) January 2022	SCI	4834 / 5006
26	Dr.S. Suresh Pungaiyah	Investigation on Mechanical Behaviour of LM6 Aluminum Alloy Hybrid Composites Processed Using Stir Casting Process	Hindawi Advances in Materials Science and Engineering	Volume 2022, Article ID 7539546, 7 pages	SCI	1687-8434