



S.A. ENGINEERING COLLEGE

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DEPARTMENT OF MECHANICAL ENGINEERING

DETAILS OF PUBLICATIONS OF FACULTY (AY - 2022-23)

S.NO	NAME OF THE FACULTY	Title of the paper	Name of the Journal/Conference with vol no, issue no, page no and impact factor.	Date of publication/presentation	DOI and Annexure details(refer Annexure details of Anna University, Chennai)
1.	Dr.P.Sevel	Friction stir processing of nanofiller assisted AISI 1010 steel-CDA101 copper dissimilar welds: a strength factor approach	Metallurgical Research Technology, 119 (5)	10-07-2022	SCIE https://doi.org/10.1051/metal/2022065 Annexure - I
2.	Dr.P.Sevel	Tilt angle impact on strength, microstructure of friction stir welded AZ91CMg plates	Materials Science And Technology	12-10-2022	SCIE https://doi.org/10.1080/02670836.2022.2130525 Annexure - I
3.	Dr.S.Vishvanathperumal	Effect of Surface Modified Halloysite Nanotubes (mHNTs) on the Mechanical Properties and Swelling Resistance of EPDM/NBR Nanocomposites	Polym. Korea, Vol. 46, No. 6, pp. 1-17 (2022)		SCIE https://doi.org/10.7317/pk.2022.46.6.728 Annexure - I



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4.	Mr.C.Dhanesh	<u>Study of tribological properties of Al6061 hybrid nano composites</u>	<u>Materials Today: Proceedings</u>	<u>Available online on 23rd Jan 2023</u>	Scopus https://doi.org/10.1016/j.matpr.2023.01.137
5.	Mr. Roosvelt Prabhu	<u>Renewable Energy based Security System for Isolator (Air Brake Switch) using Fingerprint Sensor with Internet of Things</u>	<u>International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 1298-1302</u>	<u>07th February 2023</u>	Scopus 10.1109/ICACRS55517.2022.10028991
6.	Dr.P.Sevvel (Book author) and Mr.D. Prakash	Investigation on the distribution and role of intermetallic aggregates in influencing the mechanical strength of the friction stir welded AZ91C Mg – AA6061 Al alloy joints	Materials Research Express	22 February 2023	SCI https://doi.org/10.1088/2053-1591/acbbbb Annexure - 7817
7.	Mr.J.Vasanthe Roy, Mr.A.Sivaramakrishnan, Dr. P. Sevvel	Analysis of the significance of the imparted fastening forces and material properties of plates on the fatigue life of bolted joints using FEM	<u>Materials Today: Proceedings</u>	<u>Available online on 14th February 2023</u>	<u>Scopus</u> https://doi.org/10.1016/j.matpr.2023.02.036
8.	Mr.C.Krishnamurthy	Study of Wear Behavior on AA6061 Reinforced with Hybrid	Advances in Materials Science and Engineering	11 th April 2023	<u>Scopus</u>



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		Ceramic Composites through Optimization			https://doi.org/10.1155/2023/7558886
9.	Mr.V.Sathish Kumar	Influence of different insulation materials for effective cooling performance	Materials Today: Proceedings	16 th Nov 2022	<u>Scopus</u> https://doi.org/10.1016/j.matpr.2022.07.417
10.	Mr.G.Prabakaran; Dr.S.Vishvanathperumal (Book chapter author)	Effect of Silica Nanoparticles and Modified Silica Nanoparticles on the Mechanical and Swelling Properties of EPDM/SBR Blend Nanocomposites	Silicon	05 May 2023	<u>SCI</u> https://doi.org/10.1007/s12633-023-02497-1 Annexure: 10116
11.	Mr.R.Jeeva	Comprehensive computational investigations on various aerospace materials under complicated loading conditions through conventional and advanced analyses: a verified examination	Frontiers in Materials	04 May 2023	<u>SCI</u> https://doi.org/10.3389/fmats.2023.1147310
12.	Mr.Rajarajan.S.J & Dr.P.Sevvel	Establishment of empirical relations amidst mechanical attributes of friction stir welded distinctive alloys of Mg and optimized process parameters	Materials Research Express	15 May 2023	<u>SCI</u> https://doi.org/10.1088/2053-1591/acd5ae Annexure - 7817