



R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY

R.S.M NAGAR, PUDUVOYAL - 601206

DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH PUBLICATION BY STUDENTS ALONG WITH FACULTY

ACADEMIC YEAR CAY - 2020 -2021



S.No	Name of Author	Title	Journal Name	Indexed
1)	T G Loganathan K.Vinoth Kumar Ayyappa K (S)	Mechanical and Vibrational property evaluation of banana fiber epoxy sandwich composite with steel wire mesh core. DOI: 10.1080/15440478.2020.1848744	Journal of natural fibers	WoS
2)	M Balasubramanian, Malepati Vineeth Choudary(S)	Investigation on the impact of the supplier, customer, and organization collaboration factors on the performance of new product development	International Journal of System Assurance Engineering and Management	WoS
3)	K.Vinothkumar T.G.Loganathan Harish Elango (S)	Characterization of alkali treated Nelumbo- Nucifera fiber and properties of its reinforced composite. DOI: 10.1080/15440478.2020.1870640	Journal of natural fibers	WoS
4)	T.G.Loganathan R.Sathish(S) D.Sreekandan(S) S.Thamizhanban(S)	Thermo Mechanical Behaviour of NF Composites - A review. DOI: 10.1016/j.matpr.2020.07.044	Materials Today Proceedings	Scopus
5)	K.Karthik Prabhanjan S. (S) Naveen Ajay S. (S)	Variation of Mechanical Properties across the Dissimilar Joints: Ferritic steel and Stainless Steel. DOI: 10.4273/ijvss.12.2.17	International Journal of Vehicle Structures & Systems	Scopus

S.No	Name of Author	Title	Journal Name	Indexed
6)	P.K.Devan, C.Bibin, I.Asburris(S) ShabrinR.Gokulnath(S) D.Karthick(S)	Solar drying of fruits – A comprehensive review. DOI: 10.1016/j.matpr.2020.04.041	Materials Proceedings Today:	Scopus
7)	M.Balasubramanian, MalepatiVineeth Choudary(S) A.Nagaraja(S) Kesarla Om Charan Sai(S)	Cold metal transfer process – A review. DOI: 10.1016/j.matpr.2020.05.225	Materials Proceedings Today:	Scopus
8)	P.K.Devan, C.Bibin, AnumalaGautamKrrishanaM(S) AshwinK. (S) Bala Kumar(S) K.B.Dinesh(S)	A comprehensive review on solar tricycles. DOI: 10.1016/j.matpr.2020.03.826	Materials Proceedings Today:	Scopus
9)	S Senthil Kumar, C. Bibin, K.Akash(S) K.Aravindan(S) M.Kishore(S) G.Magesh(S)	Solar powered water pumping systems for irrigation: A comprehensive review on developments and prospects towards a green energy approach. DOI: 10.1016/j.matpr.2020.04.092	Materials Proceedings Today:	Scopus
10)	N.Aravindhhan K.Maclin John Vasanth R.VigneshKumar(S) M.Jayasurya(S) S.SuriyaPrakash(S) V.Sabareeshwaran(S)	A novel approach for improving the performance of air engine to achieve zero-emission for a pollution-free environment. DOI: 10.1016/j.matpr.2020.02.930	Materials Proceedings Today:	Scopus
11)	R.AshokKumar S J Akash, (S) V Balaji(S) M Balamurugan(S) Jeevan Kumar(S)	Fabrication and Corrosion Behaviour of Aluminium Metal Matrix Composites – A Review. DOI: 10.1088/1757-899X/923/1/012056	IOP Conference Series: Materials Science and Engineering	Scopus

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12)	K.Karthik R.AshokKumar R.Jayasuriya(S), J Aswin Kumar(S) V Balaji Karthik(S)	Tribological Behaviour of Aluminum Metal Matrix Composites – A Review. DOI: 10.1088/1757-899X/923/1/012055	IOP Conference Series: Materials Science and Engineering	Scopus
13)	K.Karthik R.AshokKumar D.Bharathidhasan, (S) F.Mohamed Jaffarsha, (S) M Sreeraam (S) K Surya Prakash (S)	Investigation on mechanical properties of aluminum metal matrix composites – a review. DOI: 10.1088/1757-899X/923/1/012058	IOP Conference Series: Materials Science and Engineering	Scopus
14)	A.Balaji Krishna Bharathi, P Diyavasanth(S) S A Srihari, (S) M Saravanan(S) PV.Sudheer kumar reddy(S)	Study of graphene coating with metals and metal Nano composites. DOI: 10.1088/1757-899X/923/1/012043	IOP Conference Series: Materials Science and Engineering	Scopus
15)	S.Senthil Gavaskar, A.Laneish Kaman, (S) A.Sathis Kumar, (S) P. Aravind (S) B.B. Rahul(S)	Review paper on solar winnowing and sieve machine. DOI: 10.5373/JARDCS/V12SP5/20201849	Journal of Advanced Research in Dynamical and control systems	Scopus
16)	K. Rajesh P.K.Devan R Saran(S) S Vasanthakumar(S) K Vignesh(S)	Performance and Emission Evaluation of Diesel Engine Fueled with Karanja Methyl Ester. DOI: 10.1088/1757-899X/923/1/012068	IOP Conference Series: Materials Science and Engineering	Scopus
17)	K. Rajesh P.K.Devan B Lokesh, (S) K Rajesh Kumar, (S) R Vignesh(S)	Investigation on performance and emission of pongamia biodiesel using diethyl ether and zinc oxide as additive in diesel engine. DOI: 10.1088/1757-899X/923/1/012069	IOP Conference Series: Materials Science and Engineering	Scopus

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	R Yogesh Kumar(S)			
18)	Mr.N.Aravindhhan C.Bibin D.Rokesh, (S) D.Jagadesh, (S) S.Pravin(S) N. Ramkumar(S)	Performance of statistical control tools in identifying the defect on plunger- A review. DOI: 10.1088/1757-899X/906/1/012012	IOP Conference Series: Materials Science and Engineering	Scopus
19)	Dr.M.Balasubramanian A. Nagaraja(S)	A case study on failure analysis of fender mounting bracket of tractors by DMAIC approach in Southern India. DOI: 10.1063/5.0024886	AIP Conference Proceedings	Scopus
20)	S.Arunkumar R.Ashokkumar M.SubramaniSundaram(S) K.M.SukethKanna(S) S.Vigneshwara(S)	Optimization of wear behaviour of Al7075 hybrid metal matrix using taguchi approach. DOI: 10.1016/j.matpr.2020.05.453	Materials Today Proceedings	Scopus
21)	S.Arunkumar M.SubramaniSundaram(S) K.M.Sukethkanna (S) S.Vigneshwara(S)	A Review on Aluminium Metal matrix composite using various reinforcements and their behavior. DOI: 10.1016/j.matpr.2020.05.053	Materials Today Proceedings	Scopus
22)	S.Gopinath P.K.Devan V.Sabarish(S) B.V.SabharishBabu(S) S.Sakthivel(S) P.Vignesh(S)	Effect of spray characteristics influences combustion in DI diesel engine – A review. DOI: 10.1016/j.matpr.2020.03.130	Materials Today Proceedings	Scopus
23)	S.Gopinath P.K.Devan C.Mohan(S) L.R.Krishnarao(S) P.Lokesh kumar(S) S.Vara Prasad(S)	A review on influence of injection timing and injection pressure on DI diesel engine fuelled with low viscous fuel. DOI: 10.1016/j.matpr.2020.04.070	Materials Proceedings	Scopus

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24)	P.K.Devan S.Gowtham(S) G.Hariharan(S) R.Hariharan(S)	A Comprehensive Review on Solar Cooker with Sun Tracking System. DOI: 10.1016/j.matpr.2020.06.124	Materials Proceedings Today	Scopus
25)	K.Karthik S.Prabanjan(S) J.Rejvin Kumar(S) S.Ramkumar(S) A.Riswan Ahmed(S)	Wear Behavior and metallurgical characteristics of particle reinforced metal matrix composite produced by hardfacing: A review. DOI: 10.1016/j.matpr.2020.05.527	Materials Proceedings Today	Scopus
26)	C.Bibin M.Vijayaram(S) V.Suriya(S) R.Sai Ganesh(S) S.Soundarraaj(S)	A Review on thermal issues in Li-ion battery and recent advancements in Battery thermal management system. DOI: 10.1016/j.matpr.2020.03.317	Materials Proceedings Today	Scopus
27)	C.Bibin R.Aravindraja(S) A.Devaraja(S) S.GokulaKrishnana(S) J.K.S.Jeevaanathana(S)	The Production of Biodiesel from Castor Oil as a Potential Feedstock and its usage in Compression Ignition Engine: A Comprehensive Review. DOI: 10.1016/j.matpr.2020.03.205	Materials Proceedings Today	Scopus
28)	K.Maclin John Vasanth P.S.LokendarRam(S) V.Pon Anand(S) M.Prabu(S) S.Rahul(S)	Experimental investigation of mechanical and tribological properties of aluminium metal matrix composites fabricated by powder metallurgy route – a review. DOI: 10.1016/j.matpr.2020.07.057	Materials Proceedings Today	Scopus
29)	S. Senthil Kumar Ganesan S. (S) Krishana Prasad D(S) Krishana Kumar K(S) Kannan M. (S)	Review On Usage Of Animal Waste Oil In Diesel Engine. DOI: 10.1063/5.0033969	AIP Proceedings	Scopus
30)	Devan P K Anumala Gautam Krrishana, M. Ashwin, (S)	Solar powered tricycle for physically challenged. DOI: 10.1063/5.0037269	AIP conference proceeding	Scopus

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	K. Bala Kumard, (S) K. B. Dinesh(S)			
31)	Vinoth Kumar K SumanthT.P. (S) Sharvesh Ram A(S) Santhosh Kumar S(S) K.Yeswanth Kumar(S)	Study of Synthesis and Analysis of Bio-Inspired Polymers-Review. DOI: matpr.2020.12.831	Materials Proceedings Today	Scopus
32)	C.Hemadri N.Bharath kuma(S)r Shailasrujan(S) O.Lakshmi narayana(S) C.Naveen kumar(S)	Solar powered Semi automated Multipurpose agriculture Machine. DOI: 10.1016/j.matpr.2020.11.864	Materials Proceedings Today	Scopus