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## RESEARCH PUBLICATIONS IN SCI JOURNALS / SCOPUS

S.No	Authors	Title	Name of Journal	Volume & Page	Year	Impact Factor
1.	Sateesh Kumar Reddy K, Ranganath G, Ramesh. <a href="#">D Jayabalakrishnan.</a>	Optimized Surface Roughness in Wire Electrical Discharge Machining of A2 Tool Steel with Various States and Mediums	Tierärztliche Praxis	Vol.40 page 1881-1900	November 2020	<b>Annexure- I</b> SCIE Indexed
2.	V. Muthu , K. Bhaskar <a href="#">D Jayabalakrishnan,</a> M Prabhakar	Experimental investigation on a two stroke SI engine to optimize fuel consumption through electronic ignition	Materials Today: Proceedings Elsevier	Page 1-8	October2 020	Scopus Indexed
3.	M Karthigairajan, PK Nagarajan, R BR Ramesh Bapu, <a href="#">D Jayabalakrishnan,</a>	Effect of Silane-Treated Rice Husk Derived Biosilica on Visco-Elastic, Thermal Conductivity and Hydrophobicity Behavior of Epoxy Biocomposite Coating for Air-Duct Application	Silicon, 2020	Page 1-10	October2 020	<b>Annexure- I</b> IF-1.531 Springer
4.	R Anbalagan, M Zahir Hussain, <a href="#">D Jayabalakrishnan,</a>	Vehicle to vehicle data transfer and communication using LI-FI technology	Materials Today: Proceedings Elsevier	Page 1-8	October2 020	Scopus Indexed
5.	K Bhaskar, LR Sassykova, M Sheeba Percis, A <a href="#">D Jayabalakrishnan,</a> S Sendilvelan,	Resistance Heated Catalytic Converter (RHCC) with copper oxide catalyst for reducing HC/CO emission from automobile	Materials Today: Proceedings Elsevier	Page 1-9	October2 020	Scopus Indexed

6.	K Bhaskar, D Jayabalakrishnan, S Sendilvelan, M Prabhahar	Analysis on mechanical properties of wood plastic composite	Materials Today: Proceedings Elsevier	Page 1-7	October2 020	Scopus Indexed
7.	M Balasubramanian, D Jayabalakrishnan	Influence of Pin Offset and Weave Pattern on the Performance of Al-Cu Joints Reinforced with Graphene Particles	International Journal of Automotive and Mechanical	Vol.17 (3) 8186-8196	October2 020	ESCI Scopus
8.	M Zahir Hussain, R Anbalagan, D Jayabalakrishnan, Prabhahar, K Bhaskar, S Sendilvelan	Charging of car battery in electric vehicle by using wind energy	Materials Today: Proceedings Elsevier	Page 1-9	Septemb er 2020	Scopus Indexed
9.	R Vijayakumar Bhaskar, D Jayabalakrishnan, S Sendilvelan,	Investigation on aluminium/mild steel plates bonded polyurethane sheets to control vibration	Materials Today: Proceedings Elsevier	Page 1-10	Septemb er 2020	Scopus Indexed
10	Jayabalakrishnan.D Saravanan.K Ravi.S Prabhu.P Maridurai.T Arun Prakash.V.R	Fabrication and Characterization of Acrylonitrile Butadiene Rubber and Stitched E-Glass Fibre Tailored Nano-Silica Epoxy Resin Composite	Silicon	Page 1-9	July 2020	Annexure- I IF-1.531 Springer
11	Jayabalakrishnan.M Balasubramanian.M. Prabhu.P Rameshkumar.C Naga Muruga.D.B	Design and Fabrication of Multi Nozzle Battery Spray Pump	International Journal of Advanced Science and Technology	Vol. 29 (3) 724-738	Feb 2020	Scopus Indexed
12	Jayabalakrishnan.D. Balasubramanian,.M Prabhu,P Suganya.G	Analysis Of Friction Stir Welding Between Dissimilar Materials Using Bobbin Tool	International Journal of Scientific & Technology Research	Vol. 8(12) 2585-2588	Dec 2019	Scopus Indexed
13	Jayabalakrishnan.D & Balasubramanian,M	Effect of Square wave tool path pattern on Mechanical and microstructure properties of friction stir welded AA6061-Cu dissimilar alloys	Journal of the Chinese Society of Mechanical Engineers	Vol. 40 (6) 711-717	Dec 2019	Annexure I, IF-0.274 SCI
14	Arun Prakash V R Jayaseelan V Mothilal T Jayabalakrishnan D	Effect of Silicon Coupling Grafted Ferric Oxide and E-Glass Fibre in Thermal Stability, Wear and Tensile Fatigue Behaviour of Epoxy Hybrid Composite.	Silicon	1-12 <a href="https://doi.org/10.1007/s12633-019-00347-7">https://doi.org/10.1007/s12633-019-00347-7</a>	Dec 2019	Annexure- I IF-1.531 Springer

15	Manjunath,J <a href="#">Jayabalakrishnan.D</a>	Principle And Applications Of Ejection Seat In Aeronautics	International Journal of Scientific & Technology Research	Vol. 3 (5) 6-8	Oct 2019	Google Scholar
16	Arul murugan.M Jayaseelan.V <a href="#">Jaya balakrishnan D</a> Mari durai.T Arun prakash.V.R	Low Velocity Impact and Mechanical Behaviour of Shot Blasted SiC Wire-Mesh and Silane-Treated Aloe vera/Hemp/Flax-Reinforced SiC Whisker Modified Epoxy Resin Composites.	Silicon	<a href="https://doi.org/10.1007/s12633-019-00297-0">https://doi.org/10.1007/s12633-019-00297-0</a>	Nov 2019	<b>Annexure- I</b> IF-1.531 Springer
17	Prabu .P <a href="#">Jayabalakrishnan.D</a> Nanda kumar D	Experimental Study Of Cu Nanoparticles On Thermomechanical Properties Of Nano based Polymer Composites	International Journal of Scientific & Technology Research	Vol. 4(9) 247-253	Nov 2019	Scopus Indexed
18	Vinoth Kumar.V Naga Muruga.D.B <a href="#">Jayabalakrishnan.D</a>	Analysis of Gravity Die Casted Aluminium parts using MAGMA	International Journal of Trendy Research in Engineering and Technology	Vol. 3(4) 6-10.	Aug-2019	Google Scholar
19	<a href="#">Jayabalakrishnan, D</a> & Balasubramanian,M.	Eccentric-weave FSW between Cu and AA 6061-T6 with reinforced Graphene nanoparticles	International Journal of Materials and manufacturing process.	Vol. 33(3) 333-342	July 2017	Taylor and Francis <b>Annexure I</b> , IF- 2.274
20	<a href="#">Jayabalakrishnan, D</a> & Balasubramanian,M	Study on Friction Stir Welding on various Materials	International Journal of Engineering Technology Science and Research	Vol. 4(5) 247-253	July 2017	UGC Listed Google Scholar
21	<a href="#">Jayabalakrishnan, D</a> & Balasubramanian,M.	Friction stir weave welding (FSWW) of AA6061 aluminium alloy with a novel tool-path pattern.	Australian Journal of Mechanical Engineering	Vol. 17(2) 133-144	April 2019	Taylor and Francis <b>Scopus &amp; ESCI</b> H-Index-7
22	<a href="#">Jayabalakrishnan, D</a> & Balasubramanian,M	Friction Stir Welding of Dissimilar Butt Joints with Novel Joint Geometry.	International Journal of Acta physica polonica A,	Vol. 133(1) 94-100	Jan 2018	<b>Annexure I</b> , IF-0.85 SCI
23	<a href="#">Jayabalakrishnan. D</a> & Rameshkumar. C	Thermal and dielectric behaviour of silanated chitosan bio ceramic particles reinforced epoxy resin bio composite,	International Journal of Optoelectronics and Biomedical Materials.	Vol. 10(2) 29-35	June 2018	IF-0.390 <b>SCI</b>
24	<a href="#">Jayabalakrishnan.D</a> & Rameshkumar.C	Mechanical and thermal characterization of heat/surface treated egg shell filler diffused natural rubber green composite, ,	International Journal of Optoelectronics and Biomedical Materials	Vol. 10(1) 21-28	March- 2018	IF-0.390 <b>SCI</b>

25	Vel Murugan.N & Jayabalakrishnan.D	Mechanical Property Of Stitched Glass Fibre, Epoxy With Using Hand Layup Method	International Journal of Taga journal	Vol. 17(71) 162-167	Feb 2018	<b>Annexure-I</b>
26	Jayabalakrishnan,D & Balasubramanian,M	An Over review of the effect of Process Parameters and tool geometry in Friction Stir Welding and Friction Stir Processing.	International Journal of Applied Engineering Research	Vol. 10(71) 448-455	2015	Scopus
27	Prabhu, P, Jayabalakrishnan, D, Velmurugan, N	3D-modelling Design and analysis of mechanism of Tire fixture used in Tire building machine	International Journal of Applied Engineering Research	Vol. 10(71) 456-463	2015	Scopus Indexed
28	Prabhu P, Velmurugan N Jayabalakrishnan D.	Investigation of elliptical delamination buckling in stitched and unstitched composite laminate	International Journal of Applied Engineering Research	Vol. 10(71) 464-471	2015	Scopus Indexed
29	Jayabalakrishnan D. D.B.Naga Muruga	A review on Friction Stir Welding	International Journal of Trendy Research in Engineering and Technology	Vol. 3 1-5	2019	Google Scholar

### NATIONAL AND INTERNATIONAL CONFERENCES PAPER PRESENTATIONS

<i>Sl.No</i>	<i>Date</i>	<i>Venue</i>	<i>Event</i>	<i>Title</i>
1.	17.07.2020 & 18.07.2020	Chennai Institute of Technology, kundrathur.	National Conference	Experimental and mechanical parameters of hybrid Agave & glass fiber-Reinforced Polyester Composite A/GFRP
2.	17.07.2020 & 18.07.2020	Chennai Institute of Technology, kundrathur.	National Conference	Impact of Process parameters on welding strength and micro structural properties in friction stir welded two dissimilar alloys AA60601 –AA7075
3.	17.02.2020	RMK College of Engineering and Technology, Kavaraipet	National Conference	Investigation on evaluation of mechanical & microstructural properties of FSW dissimilar alloys
4.	19.09.19 & 20.09.19	Academy of Maritime Education and Training	International Conference	“Design and fabrication of Multi nozzle Battery Spray pump” ICTAME 2019
5.	18.05.19	JNN Institute of Engineering	International Conference	“Failure analysis of Hybrid Natural fiber Reinforced Polymers” ICIETM’19
6.	18.05.19	JNN Institute of Engineering	International Conference	“Experimental study of CuO nanoparticles on thermo mechanical properties of nano based polymer composites” ICIETM’19
7.	18.05.19	JNN Institute of Engineering	Conference	“A Re-view paper on Friction Stir Spot- welding” ICIETM’19

8.	11.02.19	RMK College of Engineering and Technology, Kavaraipet.	Conference	"Principle and applications of Ejection seat in aeronautics" FAME 2019
9.	11.02.19	RMK College of Engineering and Technology, Kavaraipet.	Conference	"A Review paper on friction stir spot welding" FAME 2019
10.	11.02.19	RMK College of Engineering and Technology, Kavaraipet.	Conference	"Analysis of Gravity Die Casted Aluminium parts using MAGMA" FAME2019
11.	27.09.17	Sriram Engineering College, Perumalpattu.	Conference	"Dissimilar joining between aluminum alloy (AA 6061) and thermo plastic using friction stir welding" in National conference Emerging Trends in Mechanical Engineering NCETME-2k17
12.	27.09.17	Sriram Engineering College, Perumalpattu.	Conference	"Friction stir Squeeze welding between dissimilar materials copper and AA 6061" in National conference Emerging Trends in Mechanical Engineering" NCETME-2k17
13.	21.05.2017	National Institute of Technical Teachers training & Research. (NITTR)	International Conference	"A Study of Friction stir welding on various materials" (ICNFESMH-2017)
14.	27.02.2017	RMK College of Engineering and Technology, Kavaraipet	Conference	"Modelling and analysis of friction stir welding between dissimilar materials using Bobin Tool"
15.	11.08.2016 & 12.08.2016	Karpaga Vinayaga College of Engineering & Technology Chennai-603308	Conference	"Effect of process parameters on Mechanical property of friction stir welded Dissimilar Materials between Aluminium And Copper"
16.	11.08.2016 & 12.08.2016	Karpaga Vinayaga College of Engineering & Technology Chennai-603308	Conference	"Literature review on Effect of friction stir welding on various metals and non-metals"
17.	March 2016	RMK College of Engineering and Technology, Kavaraipet	Conference	"Effect of tool pin profile rotational speed travel speed and axial load on mechanical properties of friction stir welding between dissimilar aluminum alloys"
18.	Feb-2016	Karpaga Vinayaga College of Engineering & Technology Chennai-603308	Conference	"Tunnel defect identification and localization in friction stir Welding for similar and dissimilar metallic alloys"
19.	10.03.2014	RMK College of Engineering And Technology	Conference	National Conference on Fascinating Advancements in Mechanical Engineering. "Friction Stir welding of dissimilar materials between Aluminium alloy and steel"
20.	25.08.2011 & 26.08.2011	Sriram Engineering College, Perumalpattu	Conference	Synthesis and Characterization of Nano Carbon composite Material.
21.	22.04.2010 & 23.04.2010	Sriram Engineering College, Perumalpattu.	Conference	"Alternate Energy Resources and Application".
22.	26.03.2010	Vellammal Engineering College ,Surapet.	Conference	"Design and Fabrication of Tire Fixture."
23.	09.04.2010 & 10.04.2010	Sathyabama University, ECR.	Conference	"Implementing Nano Robots in Ventilation and in Blood Sugar Deduction"

