

Panel Member from Affiliated College/Institution		
Sl no	Name with full address	Area of specialization
1	Name : Dr D Jeyabalakrishnan, Designation : Associate Professor, Department : Mechanical Engineering, Address :Sriram Engineering college, perumalpattu, veppampattu, Chennai-602024. Mobile : 8667818247 E-mail : djayabal2001@yahoo.com	Friction stir welding, composite material.

LIST OF PUBLICATIONS FOR LAST 5 YEARS	
1	Effect of Nanosilica and Weave Geometry on Weld Properties of Friction Stir Welded Nylon 6–6 Thick Plates.R Vibin, SJ Jaisingh, G Ramesh, D Jayabalakrishnan, VR Arunprakash.Silicon, 1-9.
2	Experimental investigation on a two stroke SI engine to optimize fuel consumption through electronic ignition.V Muthu, K Bhaskar, P Pavan, D Jayabalakrishnan, M Prabhahar.Materials Today: Proceedings.
3	Effect of Silane-Treated Rice Husk Derived Biosilica on Visco-Elastic, Thermal Conductivity and Hydrophobicity Behavior of Epoxy Biocomposite Coating for Air-Duct Application.M Karthigairajan, PK Nagarajan, RR Malarvannan, BRR Babu,Silicon, 1-10.
4	Vehicle to vehicle data transfer and communication using LI-FI technology. R Anbalagan, MZ Hussain, D Jayabalakrishnan, DBN Muruga, Materials Today: Proceedings.
5	Analysis on mechanical properties of wood plastic composite.K Bhaskar, D Jayabalakrishnan, MV Kumar, S Sendilvelan, M Prabhahar.Materials Today: Proceedings.
6	Resistance Heated Catalytic Converter (RHCC) with copper oxide catalyst for reducing HC/CO emission from automobile.K Bhaskar, LR Sassykova, M Prabhahar, ES Percis, A Nalini, T Jenish, Materials Today: Proceedings.
7	Charging of car battery in electric vehicle by using wind energy. MZ Hussain, R Anbalagan, D Jayabalakrishnan, DBN Muruga, Materials Today: Proceedings.
8	Investigation on aluminium/mild steel plates bonded polyurethane sheets to control vibration KR Vijayakumar, J Jayaseelan, N Ethiraj, M Prabhahar, K Bhaskar.Materials Today: Proceedings.
9	Mechanical Property Of Stitched Glass Fiber, Epoxy With Bentonite Clay Composite Using Hand Layup Method,DJ N.Velmurugan. International Journal of Taga journal 17, 162-176.

10	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. MAMVJDJTMSSKGRVRA Prakash6 Silicon, 1-10.
11	Eccentric-weave FSW between Cu and AA 6061-T6 with reinforced Graphene nanoparticles D Jayabalakrishnan, M Balasubramanian. Materials and Manufacturing Processes 33 (3), 333-342.
12	Effect of Silicon Coupling Grafted Ferric Oxide and E-Glass Fibre in Thermal Stability, Wear and Tensile Fatigue Behaviour of Epoxy Hybrid Composite. AP VR, V Jayaseelan, T Mothilal, M Kumar, MV Depoures, Silicon, 1-12.
13	Mechanical and thermal characterization of heat/surface treated egg shell filler diffused natural rubber green composite. G Ramesh, D Jayabalakrishnan, C Rameshkumar. JOURNAL OF OPTOELECTRONIC AND BIOMEDICAL MATERIALS 10 (1), 21-28.
14	Fabrication and characterization of acrylonitrile butadiene rubber and stitched E-glass fibre tailored Nano-silica epoxy resin composite. D Jayabalakrishnan, K Saravanan, S Ravi, P Prabhu, T Maridurai, Silicon, 1-9.
15	Friction Stir Welding of Dissimilar Butt Joints with Novel Joint Geometry. D Jayabalakrishnan, M Balasubramanian. Acta Physica Polonica, A. 133 (1).
16	Friction stir weave welding (FSWW) of AA6061 aluminium alloy with a novel tool-path pattern D Jayabalakrishnan, M Balasubramanian. Australian Journal of Mechanical Engineering.
17	Influence of pin offset and weave pattern on the performance of Al-cu joints reinforced with Graphene particles. M Balasubramanian, D Jayabalakrishnan. International Journal of Automotive and Mechanical Engineering 17 (3), 8186-8196.
18	Effect of square wave tool path pattern on mechanical and microstructure properties of friction stir welded AA6061-cu dissimilar alloys. D Jayabalakrishnan, M Balasubramanian. J Chin Soc Mech Eng 40 (6), 711-717.
19	Thermal and dielectric behaviour of silanated chitosan bioceramic particles reinforced epoxy resin bio composite. JD C.Rameshkumar. International Journal of Optoelectronics and Biomedical Materials 10 (2), 29-35.
20	Investigation of Elliptical Delamination Buckling in Stitched and Unstitched Composite Laminate DJ M.Tamilselvan P. Prabhu, N.Velmurugan. International Journal of Applied Engineering Research 10 (71), 408-412.
21	3D-Modeling, Design and Analysis of Mechanism of Tire Fixture used in Tire building Machine Prabhu .P, Jayabalakrishnan .D, Velmurugan .N, Tamilselvan .M. International Journal of Applied Engineering Research 10 (71), 456-463.

22	An OverReview of the Effect of Process Parameters, Tool Geometry and Joint Geometry in Friction Stir Welding and Friction Stir Processing. M Jayabalakrishnan, D, Balasubramanian, M, Prabhu, P & Tamilselvan. International Journal of Applied Engineering Research 10 (71), 448-454.
----	--