




Faculty Profile

Name	: Dr. G. PAULRAJ				
Date of Birth	: 27-01-2024				
Highest Qualification	: Ph.D.				
Date of Joining	: 04-07-2019				
Designation	: Professor & Head				
Date of promotion (Present Designation)	:				
Area of Interest	: Tool Design, FEA, Composite Materials, Additive Manufacturing				
Mobile No	: +919865777288	Email ID	: hod.mech@trp.srmtrichy.edu.in		
Experience	: Teaching : 20	Industry	: 05	Research	: -
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Association with Professional Bodies

Name (Professional Body)	Indian Society For Technical Education (ISTE)	International Association of Engineers (IAENG)	Institute of Research Engineers and Doctors (IRED)
Type of Membership and No.:	Life Member LM47268/2005	Life Member 239198	Fellow Member SM101000601119

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	1920311	University :	Anna University	No. of Scholars :	01
Publication*					
International Journals	:	National Journals	:		
International Conference	:	National Conference	:		
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount)	:	Applied (Amount)	:	Rs. 7140950	
Patent					
Published	:	10	Granted	:	01

Books

Published	: 02
:	

FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	10	Attended :	1	Attended :	15	Attended :	10	Attended :	-
Organized :	3	Organized :	-	Organized :	5	Organized :	8	Organized :	-

Online courses (NPTEL, MOOC etc.)	06
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***List of Publications :**

11. M., Brucely, Y., Paulraj, G., Thilak, M.” Preparation and characterization of Al8011 TiO2 and nano Graphene hybrid composite mechanical and wear behavior” Materials Today: Proceedings, doi: 10.1016/j.matpr.2023.04.192, 2023.
10. Brucely Y, Paulraj G, Thilak M and Ganesh Karthikeyan M, “Minimization of Defects in Glove Manufacturing Using Total Failure Mode Effects Analysis Flower Pollination Optimization”. AIP Conference Proceedings INTERNATIONAL SCIENTIFIC SESSION ON APPLIED MECHANICS XI, <https://doi.org/10.1063/5.0157418>, 2023.
9. Thilak, M., Brucely, Y., Paulraj, G., Senthilkumar, N, “Computer-aided tolerance chain identification system for tolerance allocation” International Journal on Interactive Design and Manufacturing (IJIDeM), (Scopus Journal),), <https://doi.org/10.1007/s12008-022-01169-5.2023>.
8. Thilak M, Jayaprakash G, Paulraj G and Bovas Herbert Bejaxhin A, “Non-Traditional Tolerance Design Techniques for Low Machining Cost” International Journal on Interactive Design and Manufacturing (IJIDeM), (Scopus Journal), <https://doi.org/10.1007/s12008-022-01169-5-0.Aug2022>.
7. Y. Brucely, Y. Christabel Shaji, G. Paulraj and D. Manikandan, “Synthesis and characterization of natural fibre with ZnO nanocomposites” International Journal on Interactive Design and Manufacturing (IJIDeM), (Scopus Journal), <https://doi.org/10.1007/s12008-022-01027-4.2022>.
6. Bovas Herbert Bejaxhin A and Paulraj G. “Influence of TiN/AlCrN electrode coatings on surface integrity, removal rates and machining time of EDM with optimized outcomes” Materials Today: Proceedings, V o 1 2 1 , 3 (3) (2 0 2 0) 3 4 0 - 3 4 5 . (Scopus Journal).
5. Bovas Herbert Bejaxhin A, Paulraj G, Jayaprakash. G and Vijayan V, “Measurement of roughness on hardened D-3 steel and wear of coated tool inserts” Transactions of the Institute of Measurement and Control, P.N:1-9,2020. (SCi Journal). (Annexure:8941)
4. Jones Preveen J, Vinish M, Bovas Herbert Bejaxhin A and Paulraj G. “Embedded effect of ZrB2-Si3N4 on tribological behaviour of Al 8011metal matrix composite ” Materials Today: Proceedings, Doi.org/10.1016/j.matpr.2020.10.954.(Scopus Journal).
3. Bovas Herbert Bejaxhin A and Paulraj G. “Performance Characterization of Surface Quality and Tool Wear of Wet/Dry Drilling on Steels by Using Coated Drill Bits ” Proceedings of Engineering and Technology Innovation, vol.12, 2019, pp.09-20.
2. Bovas Herbert Bejaxhin A and Paulraj G. “Inspection of casting defects and grain boundary strengthening on stressed Al6061 specimen by NDT method and SEM micrographs ” Journal of Materials Research and Technology, vol. 8 (3), 2019, pp. 2674-2684, ISSN No.: 2238-7854. (Scopus Journal). (Annexure:4793)
1. Bovas Herbert Bejaxhin A and Paulraj G. “Effect of optimised cutting constraints by AlCrN/epoxy coated components on surface roughness in CNC milling” International Journal of Rapid Manufacturing, V o 1 8 , N o 4 , 2 0 1 9 , 3 9 7 - 4 1 7 .