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Panel Member from Affiliated colleges		
2.	Name : Dr. N. Arunkumar Designation : Professor Department : Mechanical Engineering Address : St. Joseph's College of Engineering, Off Old Mamallapuram Road, Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu 600119 Mobile : 9444768201 E-mail : hodmechstudentaffairs@stjosephs.ac.in	Production Engineering- Optimisation, Supply chain management

List of Publications for last 5 years	
1.	N Sathishkumar, N Arunkumar, L Balamurugan, L Sabarish, A Samuel Shapiro Joseph . “ Investigation of Mechanical Behaviour and Surface Roughness Properties on Copper Electroplated FDM High Impact Polystyrene Parts ”. <i>Advances in Additive Manufacturing and Joining</i> . (2020): 287-300
2.	N Sathishkumar, Naren Vivekanandan, L Balamurugan, N Arunkumar, Ijaz Ahamed . “ Mechanical Properties of Triply Periodic Minimal Surface based lattices made by Polyjet Printing ”. <i>Materials Today: Proceedings</i> . vol. 22. (2020): 2934-2940
3.	N Yuvaraj, N Arunkumar, S Nivetha, A Lina Esther. “Abrasive water jet piercing of inclined holes on ceramic coated nickel superalloy: A Preliminary Study”. <i>Manufacturing Letters</i> (2020).
4.	R Ramamoorthi, KP Yuvaraj, C Gokul, SJ Eashwar, N Arunkumar, S Abith Tamil Dheen. “ An investigation of the impact of axial force on friction stir-welded AA5086/AA6063 on microstructure and mechanical properties butt joints ”. <i>Materials Today: Proceedings</i> (2020).
5.	R Selvam, N Sathishkumar, KM Kumar, N Arunkumar, T Khaleelur Rahman. “ Optimization of drilling parameters on hybrid natural fiber reinforced polymer matrix composites ”. <i>IOP Conference Series: Materials Science and Engineering</i> . vol.923. no.1 (2020): 012059
6.	N Prasanaa Iyer, N Arunkumar. “Review on Fiber reinforced/modified Bismaleimide resin composites for Aircraft Structure Application ”. <i>IOP Conference Series: Materials Science and Engineering</i> . vol.923. no.1 (2020): 012051
7.	N Sathishkumar, B Vincent, N Arunkumar, KM Kumar, PL Sudharsan. “Study of compressive behaviour on 3D printed ABS polymer lattice structures infilled with epoxy and polyester resins”. <i>IOP Conference Series: Materials Science and Engineering</i> . vol.923. no.1 (2020): 012044
8.	N Arunkumar, Joven Job, D Ananthapadmanaban, NE Arun Kumar, N Sathishkumar. “ Experimental Study and Analysis of Defragmented Carbon Nanotubes in Polyacrylonitrile Matrix ”. <i>Trends in Manufacturing and Engineering Management</i> (2020): 315-329
9.	R Selvam, N Arunkumar, L Karunamoorthy. “ An investigation on machining characteristics in abrasive water jet machining of hybrid laminated composites with SiC nano particles”. <i>Materials Today: Proceedings</i> (2020)
10.	NE Arunkumar, M Ganesh, Naren Vivekanandan. “ Optimization of machining parameters in WEDM of Monel 400 using Taguchi technique ”. <i>Materials Today: Proceedings</i> . vol. 22 (2020): 2199-2206
11.	M Thiyagu, L Karunamoorthy, N Arunkumar. “Thermal and tool wear characterization of graphene oxide coated through magnetorheological fluids on cemented carbide tool inserts”. <i>Archives of Civil and Mechanical Engineering</i> . vol. 19 (2019): 1043-1055
12.	E Ravikumar, N Arunkumar, D Ananthapadmanaban, V Prabhakaran. “ Corrosion Studies on Friction-Welded Aluminium Alloy AA6061-T6 to Copper with Nickel Interlayer”.

	<i>Advances in Materials and Metallurgy</i> (2019): 283-297
13.	P Eashwar Siddharth, P Aravind, K Dhanapal, N Arunkumar, A Stephen. “Effect of Sensitization on Electroless Nickel Plating of MoS ₂ Nanoparticles”. <i>Powder Metallurgy and Metal Ceramics</i> . vol. 57. no. 11-12 (2019): 703-708
14.	D Akiladevi, Raman Suresh Kumar, N Arunkumar. “A Review on 3D printing Pharmaceutical Manufacturing and applications on Drug Delivery System”. <i>Research Journal of Pharmacy and Technology</i> . vol. 12. no. 2 (2019): 873-875
15.	A Thanikasalam, N Arunkumar, R Vijayaraj, V Sankaranarayanan, E Senthilkumar. “Online Tool Condition Monitoring and Optimizing of Process Parameters for Surface Integrity and Hole Quality in Deep Hole Drilling Process”. <i>Journal of the Balkan Tribological Association</i> Vol. vol.25. no.1 (2019): 1-30
16.	N Arunkumar, P Eashwar Siddharth, Aravind Parthiban, K Dhanapal, A Stephen, NE Arun Kumar. “Effect of Sensitization on Electroless Nickel Plating of MoS ₂ Nanoparticles”. <i>Advances in Micro and Nano Manufacturing and Surface Engineering</i> . vol.25 (2019): 623-631
17.	T Balamurugan, L Karunamoorthy, N Arunkumar, D Santhosh. “Optimization of inventory routing problem to minimize carbon dioxide emission”. <i>International Journal of Simulation Modelling</i> . vol.17. no.1 (2018): 42-54
18.	M Arun, N Arunkumar, R Vijayaraj, B Ramesh. “Investigation on the performance of deep and shallow cryogenic treated tungsten carbide drills in austenitic stainless steel”. <i>Measurement</i> . vol. 125.(2018): 687-693
19.	N Arunkumar, A Thanikasalam, V Sankaranarayanan, E Senthilkumar. “Parametric optimization of deep-hole drilling on AISI 1045 steel and online tool condition monitoring using an accelerometer”. <i>Materials and Manufacturing Processes</i> . vol. 33. no.16 (2018): 1751-1764
20.	R Selvam, L Karunamoorthy, N Arunkumar. “Investigation on performance of abrasive water jet in machining hybrid composites”. <i>Materials and Manufacturing Processes</i> . vol. 32. no. 6 (2017): 700-706
21.	Selvam Rangasamy, Karunamoorthy Loganathan, Arunkumar Natesan. “Experimental investigation and numerical analysis of the dynamic characteristics of a laminated hybrid composite bed”. <i>Polymer Composites</i> . vol.38. no.1 (2017): 20-26
22.	L Balamurugan, N Sathishkumar, N Arunkumar, G Aravind. “Investigation of mechanical behaviour and surface roughness properties on electroplated FDM ABS parts”. <i>Int. J. Eng. Res. Mech. Civ. Eng.</i> vol. 2 (2017): 60-67
23.	R Venkatesh, N Arunkumar, Vaddi Seshagiri Rao, Vincent Basil. “Synthesis and Characterization of Sic-Mg-Gr Nano Crystalline Reinforced Aluminium Matrix Composite and Analysis of Its Machinability Characteristics”. <i>International Journal on Recent Technologies in Mechanical and Electrical Engineering</i> . vol. 3. no. 2 (2016): 10-16
24.	R Senthilkumar, N Arunkumar, M Manzoor Hussian. “A comparative study on low cycle fatigue behaviour of nano and micro Al ₂ O ₃ reinforced AA2014 particulate hybrid composites”. <i>Results in Physics</i> . vol. 5. (2015): 273-280
25.	R Venkatesh, VS Rao, N Arunkumar, Sunil Biswas, R Shoban Kumar. “Wear analysis on silicon carbide coated HSS pin on SS disc substrate”. <i>Procedia Materials Science</i> . vol.10. (2015): 644-650
26.	AJ Jegadeesan, L Karunamoorthy, N Arunkumar. “Investigation of hot-staking process parameters and evolution of improvement in joint strength”. <i>Materials and Manufacturing Processes</i> . vol.30. no.2 (2015): 155-161
27.	R Senthilkumar, N Arunkumar, M Manzoor Hussian. “Experimental investigation on mechanical properties of micro and nano size Al ₂ O ₃ particle reinforced extruded composites”. <i>Téc. Ing. Univ. Zulia</i> . vol. 38. no.2 (2015): 156-64
28.	TL Yogesh, N Arunkumar. “Failure mode and analysis of the bonded/bolted joints between a hybrid fibre reinforced polymer and aluminium alloy”. <i>Tec. Ing. Univ. Zulia</i> . vol.3.

	no.2 (2015): 49-60
29.	AJ Jegadeesan, L Karunamoorthy, N Arunkumar. "Investigation and improvement in peak failure load of hot staked joints in starter motor armatures using complementing problem-solving tools". <i>Journal of Mechanical Science and Technology</i> . vol.29. no.4 (2015): 1731-1736
30.	R Senthilkumar, N Arunkumar, M Manzoor Hussian. " Effects of Micro and Nano-Size Al ₂ O ₃ Particle Reinforcement on Mechanical Behaviour of Extruded Aluminum Alloy Matrix Composite". <i>Applied Mechanics and Materials</i> . vol. 787.(2015): 617-621
31.	AJ Jagadeesan, L Karunamoorthy, N Arunkumar. "Evolution of Robust Manufacturing Process in Machining of DC Motor Commutator Using Complementing Problem Solving Tools". <i>Applied Mechanics and Materials</i> . vol. 766.(2015): 1183-1189