

MECHANICAL ENGINEERING

Sl No	Acad Year	Type	Faculty	Title	Journal name	DOI	Month & Year of Publication	Indexing	Impact factor	Peroid	Verified
1	2024-2025	International Conferences	Dr. Bibin Jose	Feasibility study on the Bonding mechanism and Mechanical characteristics of Friction Stir Welded Aluminium 5754 to Polypropylene hybrid joints	Proceedings of International Conference on Material science (MAT ZONE – 2024), Providence college of Engineering, Kerala.	NA	December 2024	Scopus	NA	In this college	Yes
2	2024-2025	International Conferences	Dr. Bibin Jose	Development of double pulse tungsten inert gas welding technique for high-performance AA2024 T3 aerospace components	Proceedings of International Conference on Material science (MAT ZONE – 2024), Providence college of Engineering, Kerala.	NA	December 2024	Scopus	NA	In this college	Yes
3	2024-2025	Journal	Dr. Bibin Jose	Laser Hybrid Welding- An advanced Joining Technique for Welding of Thick Plates of Maraging Steel	Journal of Materials Engineering and Performance (Springer)	https://doi.org/10.1007/s11665-024-10409-6	November 2024	SCI/SCIE	2.2	In this college	Yes
4	2024-2025	Journal	Dr. Bibin Jose	Effect of nitrogen on high temperature dry sliding wear of 316L (N) stainless steel	Journal of Mechanical Science and Technology (Springer)	https://doi.org/10.1007/s12206-024-0918-y	October 2024	SCI/SCIE	1.5	In this college	Yes
5	2024-2025	Journal	Dr. Bibin Jose	Innovative D-Process MIG Welding for Enhanced Performance of Thick Sections of MDN 250 in Aerospace Applications	Welding International (Taylor & Francis)	https://doi.org/10.1080/09507116.2024.2413379	October 2024	SCI/SCIE	0.7	In this college	Yes
6	2023-2024	Journal	Dr. Bibin Jose	Development of a novel autogenous double pulse tungsten inert gas welding technique for joining IN625 in concentrated solar power plants	Materials Today Communications (Elsevier)	https://doi.org/10.1016/j.mtcomm.2024.108567	June 2024	SCI/SCIE	3.7	In this college	Yes

7	2024-2025	Journal	Dr. Bibin Jose	Technology development of novel autogenous double pulse tungsten insert gas welding technique to evaluate the depth of penetration, micro segregation via machine learning and desirability function approach	Materials Today Communications (Elsevier)	https://doi.org/10.1016/j.mtcomm.2024.109614	August 2024	SCI/SCIE	3.7	In this college	Yes
8	2024-2026	Journal	Dr. Bibin Jose	Experimental Investigation on Solidification Cracking & Intergranular Corrosion of AISI 321 & AISI 316 L Dissimilar Weld on Pulsed Current Gas Tungsten Arc Welding (PCGTAW)	Heliyon (Elsevier)	https://doi.org/10.1016/j.heliyon.2024.e34648	August 2024	SCI/SCIE	3.4	In this college	Yes
9	2024-2025	Book Chapters	Dr. Nikhil M Thoppil		CRC Press						Yes
10	2023-2025	Book Chapters	Dr. Bibin Jose	Augmented Reality in Manufacturing: A Comprehensive Review	Gyanveshan	NA	December 2023	Google Scholar	NA	In this college	Yes