



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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NBA Accredited-Mech, EEE and ECE programs)

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## DEPARTMENT OF MECHANICAL ENGINEERING

### FACULTY PUBLICATION DETAILS

#### Journal Publication (2024-2025)

S.No	Name of the Author/s	Title of the paper	Name of the Journal	ISSN number	Web Link
1	Dr. M. Muthukannan	Guidelines for implementing cleaner production strategies in a natural rubber gloves manufacturing industry	Cleaner Engineering and Technology	2666-7908	<a href="https://www.sciencedirect.com/science/article/pii/S2666790824001174">https://www.sciencedirect.com/science/article/pii/S2666790824001174</a>
2	R. Sanjeevi	Formability and Strength Enhancement of AA7075 Sheets by Cryorolling and Post-Treatment	Journal of The Institution of Engineers (India): Series D	2250-2130	<a href="https://link.springer.com/article/10.1007/s40033-024-00786-6">https://link.springer.com/article/10.1007/s40033-024-00786-6</a>
3	R. Sanjeevi	Parametric optimization of sand-casting pattern fabricated using fused deposition modelling	Interactions	3005-0731	<a href="https://link.springer.com/article/10.1007/s10751-024-01969-z">https://link.springer.com/article/10.1007/s10751-024-01969-z</a>
4	R. Sanjeevi	Experimental investigation of mechanical and metallurgical properties of LM25 aluminium alloy with boron carbide composite	Interactions	3005-0731	<a href="https://link.springer.com/article/10.1007/s10751-025-02246-3">https://link.springer.com/article/10.1007/s10751-025-02246-3</a>
5	R. Sanjeevi	Exploration of Cymbopogon nardus root fibers characteristics for sustainable lightweight composite reinforcement applications	Cellulose	0969-0239	<a href="https://doi.org/10.1007/s10570-024-06160-9">https://doi.org/10.1007/s10570-024-06160-9</a>
6	U. Karthick	Experimental investigation of single slope solar still for culinary wastewater treatment	Solar Compass	2772-9400	<a href="https://www.sciencedirect.com/science/article/pii/S2772940024000298">https://www.sciencedirect.com/science/article/pii/S2772940024000298</a>
7	U. Karthick	Solar Sustainability: Redefining Waste Management in Renewable Energy	International Research Journal on Advanced Engineering Hub	2584-2137	<a href="https://doi.org/10.47392/IRJAEH.2024.0006.i1">https://doi.org/10.47392/IRJAEH.2024.0006.i1</a>
8	Mr. P. Shankarkannan Dr. M. Muthukannan	Effect of anaerobic co-digestion of waste chicken feather with banana stem juice for production of biogas	Biomass Conversion and Biorefinery	2190-6823	<a href="https://doi.org/10.1007/s13399-024-05824-7">https://doi.org/10.1007/s13399-024-05824-7</a>
9	M. Selwin Dr. S. Ponsuriyaprakash	Isolation of Microcrystalline Cellulose from Wood and Fabrication of Polylactic Acid (PLA) Based Green Biocomposites	Journal of Renewable Materials	2164-6341	<a href="https://www.techscience.com/jrm/v12n8/57830">https://www.techscience.com/jrm/v12n8/57830</a>
10	M. Selwin Dr. S. Ponsuriyaprakash P Dheenathayalan	Preparation of activated carbon from pine wood and fabrication of polylactic acid based biocomposites	BioResources	1930-2126	DOI: 10.15376/biores.19.4.7653-7672
11	Dr. V. Kandavel	Investigation of Mechanical and Corrosion properties in TIG welding of DSS and HSLA	Surface Review and Letters	1793-6667	<a href="https://doi.org/10.1142/S0218625X25500672">https://doi.org/10.1142/S0218625X25500672</a>