

Sl. No	Title of article	Authors	Journal and Publisher	Conference	Year of Publication	SCI/Scopus/WOS/UGC Care	ISSN Number	Link to paper/DOI
1	Preparation and investigation of magnetic and thermal properties of $Ni_{0.5}Cu_{0.5-x}Yb_xFe_2O_4$ (X = 0.0, 0.1 & 0.2) nano ferrite for magneto-thermal applications	Dr. J. Shivakumar	Synthetic Metals, Elsevier Publications		2026	Scopus / SCI	0379-6779	https://doi.org/10.1016/j.synthmet.2026.118079
2	Comparative Study on CFD-Based Performance Optimization of Butterfly Valve Through Geometric Modifications for Pressure-Drop Reduction	Dr. Ratan A. Patil	Heat Transfer, Wiley Publications		2025	Scopus / SCI	2688-4534	https://doi.org/10.1002/hjt.70112
3	Comparison of the Microstructure and Strength of Friction Stir Welding for Aluminum Alloy AA6061 967-1	Dr. Ratan A. Patil	IIP Book Chapter		2025	Scopus / SCI		https://www.doi.org/10.58532/nbenuriCEMSSD17

4	Influence of Micro-Sized Filler Reinforcement in Tribological Performance of Ceramic Matrix Composites	Dr. Anand k. Hosamani	Micro and Nanocomposites		2025	Scopus / SCI		https://doi.org/10.1201/9781003530909
5	Wheeled mobile robot for material handling in textile industry	Dr. B. V. Hubballi	Asian Textiles		2026	Scopus	9710 3425	
6	Jute Fiber and Its Composites : Processing, Properties, and Applications	Dr. Madhavi M	Journal Of natural Fibers, Taylor & Francis		2026	Scopus	VOL. 23, NO. 1, 2635010	https://doi.org/10.1080/15440478.2026.2635010
7	Material selection for milling fixture of friction stir welding using simulia	Dr. Ratan A. Patil	Engineering Research Express, IOP Publications		2024	Scopus / WoS	2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/ad46e8
8	Process parameters settings of friction stir welding using multi-response optimization for aluminum alloys	Dr. Ratan A. Patil	Engineering Research Express, IOP Publications		2024	Scopus / WoS	2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/ad4511

9	Multi-Response Optimization based friction Stir Welding Process Parameters Setting for Aluminium Alloys	Dr. Ratan A. Patil	Sientia Iranica, SUT Publications		2025	Scopus / SCI	1026 -3098	https://scientiairanica.sharif.edu/article_23791_53c869cc15c99ca8be7920f38b34f6dd.pdf
10	Effect of Sea Water on Mechanical Properties of Composite Adhesive Joints Under Different Temperature Environments	Dr.Madhavi Magi	Journal of Propulsion technology		2024	Scopus	ISSN:1001-4055	https://www.propulsiontechjournal.com/index.php/journal/article/download/4774/3273/8262
11	Experimental Investigation of TIG Welding Parameters and Weld Joint Strength for Carbon Steel - SA516GR70 Material based on Taguchi Meth	Dr. Ratan A. Patil	International Journal of Vehicle Structures & Systems, Maftree Publications Vehicle Structures & Systems		2023	Scopus		https://doi.org/10.4273/ijvss.14.2.02

12	A Study on Mechanical Properties of Stainless Steel Welded Joints for Marine Applications	Dr. Ratan A. Patil	Techno Societal Book series, Springer publications		2023	Scopus		https://doi.org/10.1007/978-3-031-34644-6_77
13	A Review on Effect of Saline water on Adhesive joints of Composites	Dr.Madhavi Magi			2022	Scopus		
14	Overview of effect of residual stress, elastic follow-up & stress redistribution using whole structure approach	Vinayak Ratan	Materials Today Proceedings		2022	Scopus	2214-7853	https://doi.org/10.1016/j.matpr.2022.07.035
15	Investigation of double pipe heat exchanger by use of several nanofluids with vary of base fluids- A computational fluid dynamics analysis.	Dr.Anand K.Hosamani	AIP Publisher		2023	Scopus	ISSN (E-ISSN): 2456-6470	https://doi.org/10.1063/5.0167323

16	A novel methodology to simulate a hydraulic power pack for a portable tilting furnace in small foundry applications .	Dr.Anand K.Hosamani	AIP Publisher		2023	Scopus	ISSN: 0094-243X	https://doi.org/10.1063/5.0168045
17	Numerical Investigation and Performance Comparison of Double-Tube Helical Heat Exchanger Incorporating Four-Turn and Six-Turn Models Using Several Nanofluids.	Dr.Anand K.Hosamani	Springer Book Chapter		2022	Scopus	SSN: 1040-7782	https://www.tandfonline.com/doi/abs/10.1080/01457632.2022.2079049?tab=permissions&scroll=top&role=tab
18	Effect of combustible fractions of a sustainable producer gas fuel on SI engine : Combustion and emissions - An experimental analysis	M Sredhar Babu	Heat transfer Engineering, Taylor&Francis		2022	SCI Indexed		https://doi.org/10.1080/01457632.2022.2079049

19	Effect of through slots and dwarf finned heat sinks on electronic cooling load	Rajshekar V. Unni & M. Sreedhar Babu	Springer Nature		2023	Scopus	978-981-19-7709-1	https://doi.org/10.1007/978-981-19-7709-1_51
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