

**Number of quality publications in refereed/SCI Journals, citations, Books/Book Chapters etc.
Research Publications Details for Academic Year 2022-23**

Sr. No.	Name of Faculty	Publication Title	Journal Name, Vol. No., Issue, Page No.	ISSN/ ISBN	Month/Year	Indexed in	Impact Factor
1	Dr. D. M. Patel	MATERIAL REMOVING METHOD FOR ROTATIONAL PARTS WITH WIRE EDM MACHINE	JOURNAL OF AERONAUTICAL MATERIALS, Vol. 43, Issue-01, 2023 pp. 131-143	1005-5053	January 2023	Scopus	1.5
2	Dr. D. M. Patel	Experimentation with the EDM parameter through a full factorial technique and optimization using regression analysis with carbon nanotubes	International Journal on Interactive Design and Manufacturing (IJIDeM), https://doi.org/10.1007/s12008-023-01263-2	1955-2513	March 2023	Scopus	2.1
3	Dr. D. M. Patel	Optimization of process parameters of ultrasonic metal welding for multi layers foil of AL8011 material	Welding International Volume 37, 2023 - Issue 3, Pages 119-127, https://doi.org/10.1080/09507116.2023.2192373	0950-7116	April 2023	Scopus	0.7
4	Dr. V. D. Patel	A review on drying kinetics of food products dried using solar energy	Journal of Technology, May 2023, Volume: 11, Issue: 5	10123407	May 2023	Others	-
5	Dr. A. D. Patel	A Novel Methodology for Welding Joint in Complex Structures: 2-Piece Coplanar Cruci-Trap Welded Joint	Journal of Advanced Manufacturing Systems, Vol. 22, No. 02, pp. 279-305 (2023), https://doi.org/10.1142/S0219686723500142	0219-6867	2023	Scopus	0.9
6	Dr. A. K. Patel	Experimental Investigation of Effect of Process Parameters on the Tensile Strength of a Near Eutectic Aluminum-Silicon Alloy in Universal Centrifugal Casting Machine (UCCM)	International Journal of Metal casting 17, 1755–1762 (2023). https://doi.org/10.1007/s40962-022-00899-2	1939-5981	October 2022	Scopus	2.6
7	Dr. A. K. Patel	Parametric Investigation on the Hardness of an Al-Si Alloy in newly invented setup of Centrifugal Casting (CC)	International Journal for Research in Engineering Application & Management (IJREAM) Vol-09, Issue-03, June 2023	2454-9150	June 2023	Other	-
8	Dr. K. P. Modi	Multi-response optimization of magnetic abrasive finishing process parameters on AISI H13 hot die steel using grey relational analysis	Materials Today: Proceedings	2214-7853	February 2023	Scopus	4.9
9	Prof. K. S. Banker	WEDM Machining And Augmentation Of Aluminum Metal Matrix Composite By Stir Casting Process: A Critical Review	Journal For Basic Sciences, Volume 22, Issue 11, 2022, Page No: 388-408 DOI:10.37896/JBSV22.11/1543	1006-8341	February 2023	Other	-

Research Publications Details for Academic Year 2023-24

Sr. No.	Name of Faculty	Publication Title	Journal Name, Vol. No., Issue, Page No.	ISSN/ ISBN	Month/Year	Indexed in	Current Impact Factor
1	Dr. V. D. Patel	Mathematical modelling and verification of open sun drying of cotton seeds	International Journal of Low-Carbon Technologies, Volume 18, 2023, Pages 887–895, https://doi.org/10.1093/ijlct/ctad075	1748-1317	August 2023	Scopus	4.3
2	Dr. V. D. Patel	Investigation on drying kinetics analysis of gooseberry slices dried under open sun	Environmental Challenges Volume 13, December 2023, 100778	2667-0100	October 2023	Scopus	8.0
3	Dr. V. D. Patel	Various application of solar air heater with thermal storage: a comprehensive review	Journal of Technology, VOLUME 11 ISSUE 12, 2023	10123407	November 2023	Other	-
4	Dr. P. N. Boka	A case study on distillate output of solar still using toner waste powder coated absorber plate	Case Studies in Thermal Engineering Volume 53, January 2024, 103903, https://doi.org/10.1016/j.csite.2023.103903	2214-157X	December 2023	SCIE	6.4
5	Dr. P. N. Boka	Effect of coating of waste toner powder weight concentration on absorber plate of solar still	AIP Advances 14, 045208 (2024), https://doi.org/10.1063/5.0191247	2158-3226	April 2024	SCIE	1.4
6	Dr. P. K. Gajjar	Mechanical and intergranular corrosion properties of auto TIG welded TP347H-T91 dissimilar weldments	Materials Science and Technology, Volume 40, Issue 7, https://doi.org/10.1177/026708362312126	0267-0836	January 2024	Scopus	2.3
7	Dr. P. K. Gajjar	Investigation of effect of post weld heat treatment on microhardness and microstructure of auto TIG welded stabilized SA213 TP347H weldments	Welding International Volume 38, 2024 - Issue 5, Pages 366-382, https://doi.org/10.1080/09507116.2024.2342340	0950-7116	April 2024	Scopus	0.7
8	Prof. G. S. Patel	EVALUATING THE COOKING OIL CONTAINER FILLING MACHINE'S PERFORMANCE BY ALTERING THE ACTUATION DEVICES (EXPERIMENTAL METHODS)	International Journal of Applied Engineering & Technology; Vol. 5 No. S6, (Oct - Dec 2023)	2633-4828	October 2023	Scopus	-

Research Publications Details for Academic Year 2024-25

Sr. No.	Name of Faculty	Publication Title	Journal Name, Vol. No., Issue, Page No.	ISSN/ISBN	Month/Year	Indexed in	Current Impact Factor
1	Dr. V. D. Patel	Effect of channel depth ratio and absorber plate configuration on performance of a solar air heater	Case Studies in Thermal Engineering, Volume 61, September 2024, 104789, https://doi.org/10.1016/j.csite.2024.104789	1748-1317	Jul-24	SCIE	6.4
2	Prof. S. K. Dabhi	Optimizing Indirect Liquid Cooling System for Thermal Management of Electric Vehicle Battery: A CFD Study Using Cold Plate	Journal of Electrical System; Vol. 20 No. 10s (2024); DOI: https://doi.org/10.52783/jes.5230	1112-5209	Jul-24	Scopus	-
3	Prof. S. K. Dabhi	Application of solar thermal collectors for milk pasteurization to explore the potential of renewable energy in the dairy sector: Challenges and possibilities	Applied Chemical Engineering; Vol. 7 No. 3 (2024); DOI: https://doi.org/10.59429/ace.v7i3.5501	2578-2010	Aug-24	Scopus	-