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MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI
DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY PUBLICATIONS IN JOURNALS
ACADEMIC YEAR 2023-2024

Sr. No.	Title of paper	Name of Author/s	Name of Journal	ISSN No.	DOI	Google Scholar Citations	Scopus Citations
1	Investigations on the relationship between surface roughness and process variables of die sinking electro-discharge machining	Dr. R.V. Kale	Innovation and Emerging Technologies Vol 11	2737-5994	https://doi.org/10.1142/S2737599424400103	--	--
2	Prioritisation for electric utility expansion scenarios in Maharashtra (India) using analytical hierarchical approach://doi.org/10.1016/j.matpr.2023.08.125	Dr. R.V. Kale	International Journal of Global Energy Issues	1741-5128	Under process	--	--
3	Comparison study on effect of different lubrication methods on tool wear and surface roughness during end milling of die tool steel	Prof. P.B. Kawade, Dr. S.U. Bokade	Materials Today: Proceedings, Elsevier (Scopus, INSPEC)	2214-7853	https	--	--
4	A Framework Evaluation for Sustainable EOQ Considering Environmental Factors	Dr. Y.P. Deshmukh	Journal of Harbin Engineering University (Scopus)	1006-7043	https://harbinengineeringjournal.com/index.php/journal/article/view/826/582	--	--
5	Comparative Evaluation of Different Parameters on Aerodynamic Performance of the Savonius Vertical Axis Wind Turbine	Dr. Y.P. Deshmukh	China Petroleum Processing and Petrochemical Technology (Scopus, Emerging sources citation)	2147-6799	https://zgsyjgysyh.gjs.cn/index.php/eric/article/view/2-312.html	--	--
6	Computational Analysis of the Framework Evaluation for Sustainable EOQ Considering Emission Tax with Capital Constraints	Dr. Y.P. Deshmukh	Communications on Applied Nonlinear Analysis	1074-133X	https://doi.org/10.52783/cana.v31.650	--	--
7	Improving Automotive Sector using Lean Six Sigma	Dr. N.J. Panaskar	International Research Journal of Engineering and Technology (IRJET)	2395-0056	https://www.irjet.net/archives/V11/i4/IRJET-V11I4272.pdf	--	--



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8	Smart Agricultural Pesticide Spraying Robo	Prof. Nikhil V.S.	International Journal of Advance Research, Ideas and Innovations in Technology	2454-132X	https://www.ijariit.com/manuscript/smart-agricultural-pesticide-spraying-robo/	--	--
9	Multipurpose Agricultural Machine	Prof. Nikhil V.S.	International Journal of Interdisciplinary Innovative Research & Development	2456-236X	http://ijjird.com/	--	--

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FACULTY PUBLICATIONS IN CONFERENCES
ACADEMIC YEAR 2023-2024

Sr. No.	Title of paper	Name of Author/s	Name of Conference	DOI	Citations
1	Innovations in Friction Stir Welding: From Fundamentals to Future Frontiers	Dr. N.J. Panaskar	Sixth International Conference on Materials Science and Manufacturing Technology (ICMSMT 2024) during 03 - 04, May 2024 at Akshaya College of Engineering and Technology, Coimbatore, Tamil Nadu, India.	-	-

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FACULTY PUBLICATIONS IN BOOKS/ BOOK CHAPTERS
ACADEMIC YEAR 2021-2022

Sr. No.	Title of Book/ Book Chapter	Name of Author/s	Name of Conference	ISBN	DOI	Google Citations	Scopus Citations
1	Emerging Trends and Future Directions in Friction Stir Welding	Dr. N.J. Panaskar	--	978-93-91044-51-0	--	--	--


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PATENTS FILED
ACADEMIC YEAR 2023-2024

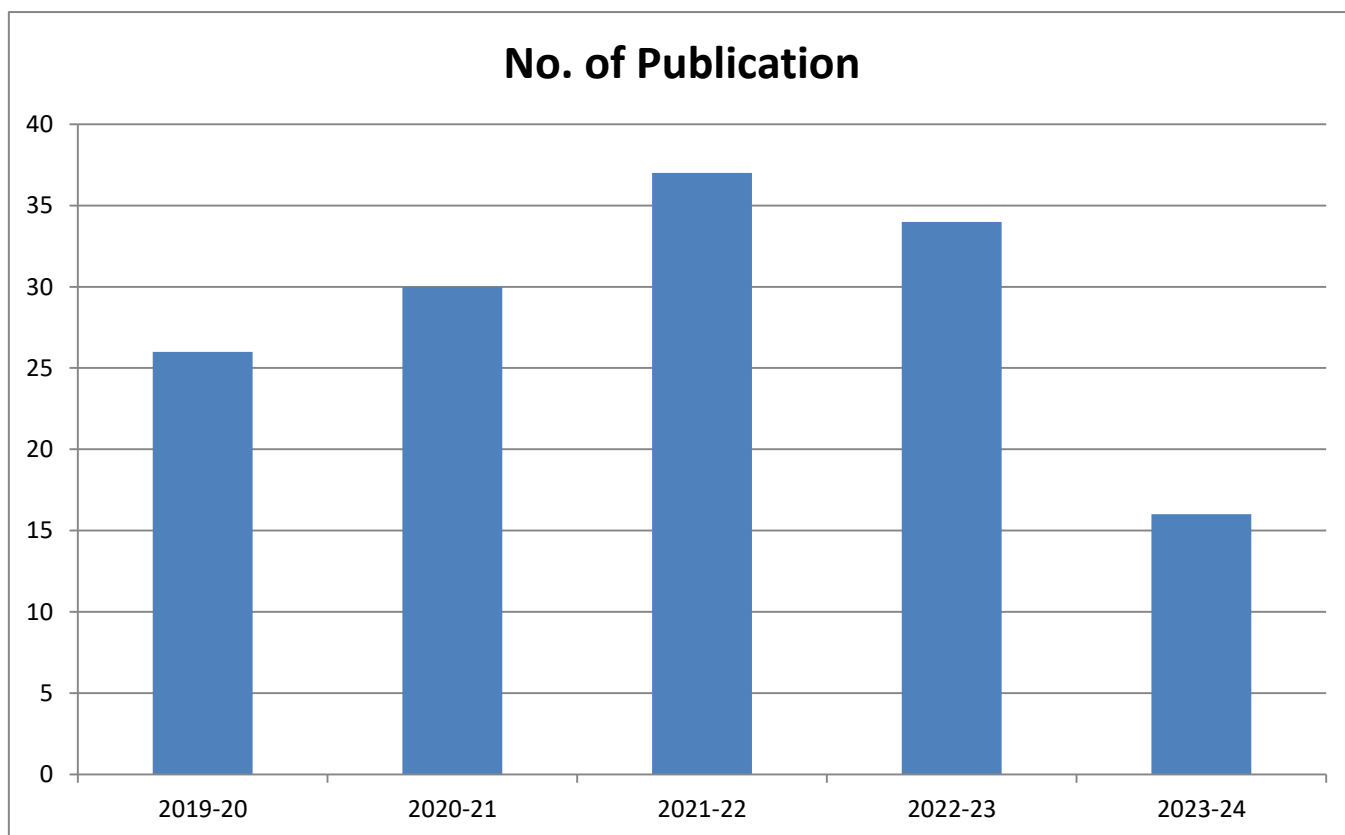
Publisher	Title of the Patent	Patent ID/ Application Number	Patent No./ Journal No.	Date of Publication	Author/ Authors
Indian Patent Office	Machine for the Development of 2-D and 3-D Microfractals Through Lifting Plate Hele-Shaw Cell. (Utility Patent)	202321081635	--	--	Prof. Amol Mangrulkar
Indian Patent Office	Quantify Renal Obstruction for Radiotracer ^{99m} Tc-DTPA and MAG3, Renal Diuretic Renography using Density Count Approach. (Utility Patent)	202321067312	--	--	Prof. Amol Mangrulkar
Indian Patent Office	Design of Blended Wing Airplane (Design patent)	202321066482	--	--	Prof. Amol Mangrulkar
Indian Patent Office	Improvement in Surface quality of hole and tool health of Helical Milling for Ti6Al4V using Hybrid Tri-nano Flood Coolant along with optimizing shearing parameters. (Utility Patent)	202321045685	--	--	Prof. Amol Mangrulkar
Indian Patent Office	Dual Absorber Solar Water Heater with built-in Heat Exchanger	202421026834	--	--	Dr. Rajesh Kale

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Summary Sheet

Faculty Publications

Academic Year	2019-20	2020-21	2021-22	2022-23	2023-24
Number of Publications (Journal + Conference)	26	25	36	22	10
Patent	-	5	-	4	5
Book	-	-	1	8	1
Total	26	30	37	34	16



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Summary Sheet

Peer Reviewed Papers
Academic year 2023-2024

Year/ Indexing	Scopus	SCI	UGC Approved	WoS (ESCI, Conference Proceedings Citation Index)	Cross-ref	Inspec	Other Peer Reviewed	TOTAL
2023-2024	5	-	-	2	1	1	9	18
2022-2023	10	-	4	2	3	3	22	44
2021-2022	19	1	6	3	-	14	15	58
2020-2021	5	-	3	2	-	1	15	26
2019-2020	12	-	3	-	-	-	7	22
TOTAL	51	1	16	9	4	19	68	

Index Summary

Academic year 2023-2024

Indexing	Paper Sr. No.		TOTAL
	Journal	Conference	
SCI	--	--	--
Scopus	2, 3, 4, 5, 6	--	5
Inspec	3	--	1
Thomson Reuters /WoS	1, 2	--	2
UGC Approved	--	--	--
Cross-ref	1	--	1
Other peer-reviewed	1-9	1	10

Index Summary Academic year 2023-2024

