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

FACULTY PUBLICATIONS IN JOURNALS
ACADEMIC YEAR 2022-2023

Sr. No.	Title of paper	Name of Author/s	Name of Journal	ISSN No.	DOI	Google Scholar Citations	Scopus Citations
1	Modeling Interactions Among Critical Risk Factors in the Indian Manufacturing Industries Using ISM and DEMATEL	Dr. S.U. Bokade	Journal of The Institution of Engineers (India): Series C, 104(1), 123-147. (Scopus, UGC care)	2250-0553	https://doi.org/10.1007/s40032-022-00896-8	1	1
2	Review of cooling techniques used in metal cutting processes. Advances in Materials and Processing Technologies, 9(3), 1137–1182.	Dr. S.U. Bokade.	Advances in Materials and Processing Technologies (Scopus)	2374-0698	https://doi.org/10.1080/2374068X.2022.2109668	2	3
3	CRITICAL RISK FACTORS IN THE INDUSTRIAL SECTOR: A REVIEW	Dr. S.U. Bokade	Industrial Engineering Journal (UGC CARE Group-1 (Sr. No. 155 (Sciences)))	0970-2555	http://www.journal-iiie-india.com/	--	--
4	Performance and Emission analysis of Fish oil Biodiesel in Diesel Engine	Dr. R.V. Kale	Journal of Systems Engineering and Electronics	1671-1793	https://jseepublisher.com/wp-content/uploads/2024/01/4.pdf	--	--
5	Modeling, Simulation, and Stress Analysis of Bone Scaffold Using Different Biocompatible Materials	Dr. S.U. Bokade	Recent Advances in Mechanical Engineering. Lecture Notes in Mechanical Engineering. Springer, Singapore.	2195-4364 (978-981-19-2188-9_11)	https://doi.org/10.1007	--	--
6	Experimental Investigation and CFD Analysis of Different Diameter Evacuated Tube Solar Water Heater.	Dr. R.V. Kale	Journal of Engineering, Project, and Production Management (2024)	2221-6529 (Scopus, Crossref)	10.32738/JEPPM-2024-0002	--	--
7	Modeling and Analysis of Origami Impact Absorbers.	Dr. R.V. Kale	Journal of Engineering, Project, and Production Management (2024)	2221-6529 (Scopus, Crossref)	10.32738/JEPPM-2024-0005	--	--
8	Performance of Weather Resistant Louvers	Dr. K.M. Chaudhari	International Journal of Advances Research in Science, Communication, and Technology	2581-9429 (Crossref)	10.48175/IJARSCT-7911	--	--



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9	Effect of MWCNTS on mechanical properties of woven fabric hybrid Polymeric nanocomposite and finite element analysis of nanocomposite	Prof. N.B. Shahapure	International Journal on Interactive Design and Manufacturing (IJIDeM) (2023)	1955-2505 (Scopus, Inspec, UGC CARE)	10.1007/s12008-023-00817-2	--	1
10	Atomistic modeling and molecular dynamic simulation of polymer nanocomposites for thermal and mechanical property characterization: A review	Prof. N.B. Shahapure	AIMS Materials Science	2372-0484 (Scopus, ESCI-WOS)	10.3934/matrscli.2022011	--	--
11	Measurement and analysis for the improvement of efficiency and power of Savonius vertical axis wind turbines without dimples and fins	Dr. Y.P. Deshmukh	Materials Today: Proceedings (Scopus, INSPEC)	2214-7853	10.1016/j.matpr.2022.02.294	2	1
12	Computational and Experimental analysis of Effect of Dimpled on aerodynamic performance of Savonius Vertical Axis Wind Turbine	Dr. Y.P. Deshmukh	European Chemical Bulletin	2063-5346 (Scopus)	10.31838/ecb/2023.12.si.5.007	--	--
13	A Literature Survey on Inventory Management in Manufacturing Industry	Dr. Y.P. Deshmukh	Journal of Aeronautical Materials	1005-5053	https://www.hkclxb.cn/article/view/2023/203.html	--	--
14	Savonius Vertical Axis Wind Turbine Design and Analysis with Dimples and Fins	Dr. Y.P. Deshmukh	International Journal of Intelligent Systems and Applications in Engineering (Scopus)	1006-7043	https://ijisae.org/index.php/IJISAE/article/view/2940/1518	--	--
15	Automatic skull prototyping framework for damage detection and repairing using computer vision and deep learning techniques	Prof. Amol Mangrulkar	International Journal of Information Technology (Scopus, INSPEC, UGC Care)	2511-2112	https://doi.org/10.1007/s41870-022-00956-3	1	1
16	A Coupled Earth to Air Heat Exchanger for Assessment of Non Active Structural Cooling	Prof. Amol Mangrulkar	Journal of Algebraic Statistics (Emerging Sources Citation (WoS))	1309-3452	https://publishoa.com/index.php/journal/article/view/1340	--	--
17	Green and Sustainable Supply Chain Design Using MCDM Techniques	Dr. N.J. Panaskar	International Journal of Engineering Research and Technology	2278-0181	10.17577/IJERTV7IS100243	--	--
18	An Investigation Lean Six Sigma Barriers in Electric Vehicle Assembly.	Dr. N.J. Panaskar	International Journal of Engineering Research and Technology	2278-0181	10.17577/IJERTV7IS100603	--	--



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19	Sustainable implementation drivers and barriers of lean-agile manufacturing in original equipment manufacturers: a literature review study	Prof. Ashwini Gotmare	International Journal of Business Excellence (Scopus)	1756-0055	10.1504/IJBEX.2022.121587	--	2
Total Citations						6	9


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FACULTY PUBLICATIONS IN CONFERENCES
ACADEMIC YEAR 2022-2023

Sr. No.	Title of paper	Name of Author/s	Name of Conference	DOI	Citations
1	Impact of barriers to industry 4.0 adoption on business performance: An exploratory study of Indian manufacturing organizations	Prof. Ashwini Gotmare, Dr. Sanjay U. Bokade	THIRD International Conference on Future Technologies in Manufacturing, Automation, Design & Energy, Hybrid Mode, DECEMBER 14 - 16, 2022, CONFERENCE ORGANISED BY DEPARTMENT OF MECHANICAL ENGINEERING, NATIONAL INSTITUTE OF TECHNOLOGY PUDUCHERRY, KARAİKAL, INDIA	-	-
2	Effect of MWCNTS on mechanical properties of woven fabric hybrid polymeric nanocomposites and finite element analysis of nanocomposite.	Prof. N.B. Shahapure	International SAMPE 2023, Seattle, Washington, April 17-18, 2023	-	-
3	Analysis of Parameters Affecting Effectiveness of Industrial Cooling Towers	Dr. Y.P. Deshmukh	Advances in Thermal Sciences. Lecture Notes in Mechanical Engineering. Springer, Singapore (Scopus)	https://doi.org/10.1007/978-981-19-6470-1_22	-
			Total Citations		NIL

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FACULTY PUBLICATIONS IN BOOKS
ACADEMIC YEAR 2022-2023

Sr. No.	Title of Book	Name of Author/s	Name of Publisher	ISBN No.
1	THERMAL ENGINEERING (MEC 502)	Dr. R.V. Kale	Techneo Publication Pvt Ltd	978-9390904556
2	Machinery Diagnostic	Dr. A.L. Mangrulkar	Techneo Publication Pvt Ltd	978-9355832719
3	Definition for Mechanical Engineering	Dr. A.L. Mangrulkar	Royal book publishing	978-93-911312-1-0
4	Thermodynamics Field Formulation and Turbulent Modeling	Dr. A.L. Mangrulkar	COSMAS Scientific Publisher	978-81-962332-7-3
5	Advancement In Material Testing and characterization cosmas	Dr. A.L. Mangrulkar	COSMAS Scientific Publisher	978-81-963112-3-0
6	Artificial Intelligence and Machine Learning in Medical Industry	Dr. A.L. Mangrulkar	COSMAS Scientific Publisher	978-81-19359-10-3
7	AI & ML in Medical Diagnosis	Dr. A.L. Mangrulkar	COSMAS Scientific Publisher	978-81-19359-00-4
8	Material Technology	Dr. A.L. Mangrulkar	Royal book publishing	Awaiting ISBN

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PATENTS FILED
ACADEMIC YEAR 2022-2023

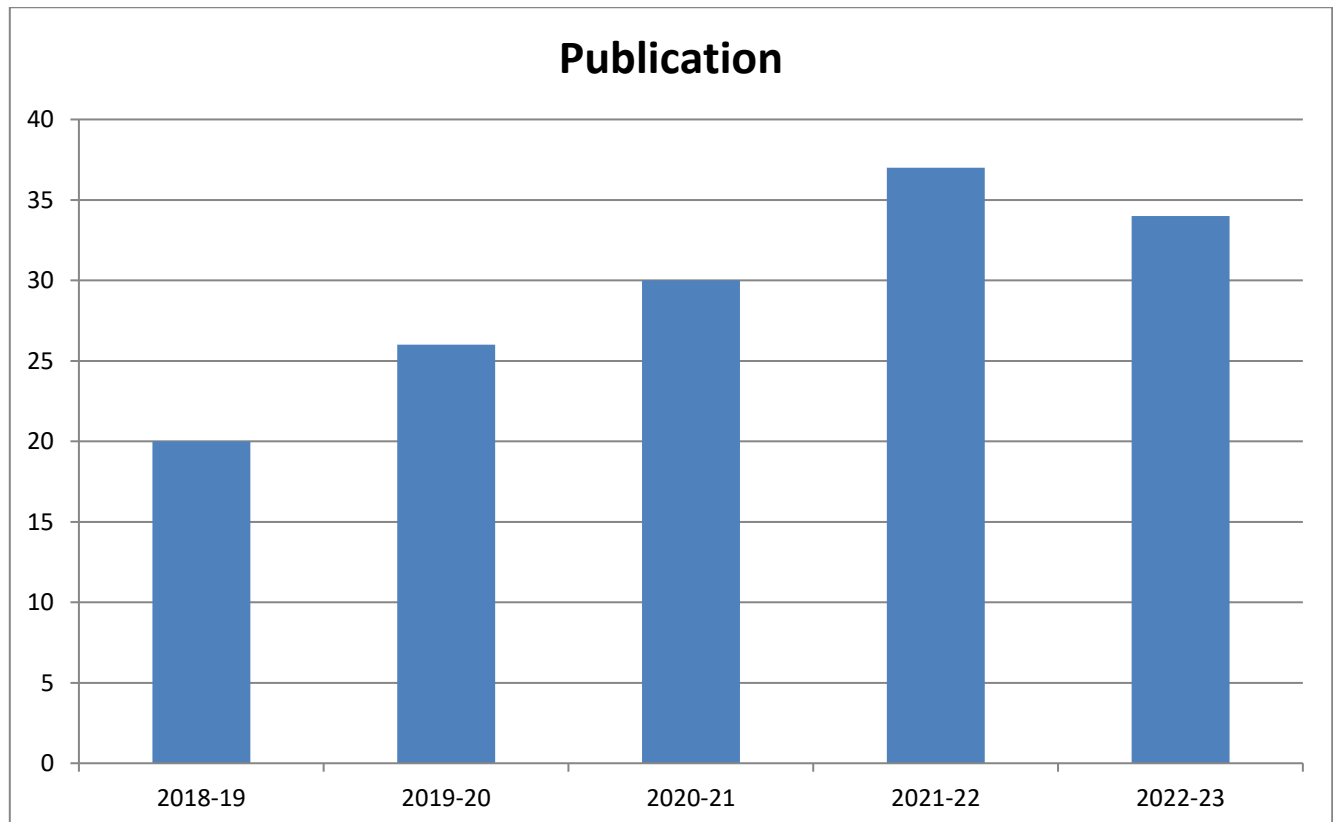
Publisher	Title of the Patent	Patent ID/ Application Number	Patent No./ Journal No.	Date of Publication	Author/ Authors
Indian Patent Office	Auxiliary Flap Turbocharger (AFT) for Automobile, Applications	202221001648	-	11/02/2022	Dr, R.V. Kale, Dr. S.U. Bokade
Indian Patent Office	Clamper for Turbocharger of petrol and diesel engines	322981	Patent No: 109800; Journal No: 10/2022, Date:11/03/2022		Dr, R.V. Kale, Dr. S.U. Bokade
Indian Patent Office	Flapper for Turbocharger of petrol and diesel engines	340292-001	Journal No:34/2022 Date:	26/08/2022	Dr, R.V. Kale, Dr. S.U. Bokade
Indian Patent Office	Development of Nanoengineered ABS-MWCNTs composite using Fused Deposition Modeling (FDM) 3D Printing infill patterns	202221040861	-	Filed on 18/07/2022	Prof. N.B. Shahapure


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Summary Sheet

Faculty Publications

Academic Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Number of Publications (Journal + Conference)	15	20	26	25	36	22
Patent	2	-	-	5	-	4
Book	-	-	-	-	1	8
Total	17	20	26	30	37	34




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Summary Sheet

Peer Reviewed Papers
Academic year 2022-2023

Year/ Indexing	Scopus	SCI	UGC Approved	WoS (ESCI, Conference Proceedings Citation Index)	Cross-ref	Inspec	Other Peer Reviewed	TOTAL
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
2018-2019	1	-	4	1	3	-	9	18
TOTAL	47	1	20	8	6	18	68	

Index Summary

Academic year 2022-2023

Indexing	Paper Sr. No.		TOTAL
	Journal	Conference	
SCI	--	--	--
Scopus	1, 2, 6, 7, 9, 10, 11, 12, 15	3	10
Inspec	9, 11, 15	--	3
WoS (ESCI, Conference Proceedings Citation Index)	10, 16	--	2
UGC Approved	1, 3, 9, 15	--	4
Other peer-reviewed	1-19	1-3	22

Index Summary Academic year 2022-2023

